

# NSK Group

## Green Procurement Standard

### List of NSK Environmentally Harmful Substances (Ver. 7.5)



Revised on September 27, 2024

**NSK Ltd.**

# **1. Laws/Regulations and Industrial Guidelines and Customer standards Referenced in the List of NSK Environmentally Harmful Substances**

## **1 – 1 Laws/Regulations**

- 1) Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.  
Class I Specified Chemical Substances  
Class II Specified Chemical Substances  
Chemical Substances Subject to Monitoring
- 2) Industrial Safety and Health Act  
Substances which are prohibited to be manufactured
- 3) Poisonous and Deleterious Substances Control Act  
Specified poisons
- 4) RoHS Directive (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment)  
(EU Directive No.2015/863/EU )
- 5) ELV Directive (End of Life Vehicles, Directive)  
(EU Directive No.2011/37/EU)
- 6) REACH Regulations Annex XVII Restricted substances( ~Entry78 )
- 7) REACH Regulations Annex XIV Permitted substances( 59 substances )
- 8) REACH Regulations SVHC (Substances of Very High Concern)  
(1st-31th candidates)  
(Registration, Evaluation, Authorization and Restriction of Chemicals)
- 9) EU POPs Regulation (EC) No 2019/1021 ANNEX I
- 1 0) CLP Regulations Annex VI Table3.2 CMR ((Categories 1, 2) Substances  
(C : Carcinogenic, M : Mutagenic, R : Toxic for Reproduction)
- 1 1) Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)
- 1 2) Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)
- 1 3) Toxic Substances Control Act: TSCA (US)

## **1 – 2 Industrial Guidelines**

- 1) 2024GADSL(Global Automotive Declarable Substance List)  
(Revised on February, 2024)
- 2) IEC62474 D29.00 (IEC : International Electrotechnical Commission)  
(Revised on July 25, 2024)

## 2. Classes and Standards for Control

### 2 – 1 Classes and Standards for Control

In order to appropriately control environmentally harmful substances in parts/materials, sub-materials, auxiliary materials for production, and packing/packaging materials, NSK environmentally harmful substances are classified into NSK prohibited substances, NSK reduced use substances, and NSK observation substances.

- 1) **NSK Prohibited Substances** Substances which must not be contained in or adhere to parts/materials, sub-materials, auxiliary materials for production and packing/packaging materials in accordance with the Classes and Standards for Product Groups specified in Section 2-2.
- 2) **NSK Reduced Substances** Substances which must not be contained in or adhere to newly selected parts/materials, sub-materials, auxiliary materials for production and packing/packaging materials in accordance with the Classes and Standards for Product Groups specified in Section 2-2.  
  
If these substances are contained in or adhere to existing parts/materials, sub-materials, auxiliary materials for production and packing/packaging materials, selection and evaluation of replacement products must have been completed.  
  
[\* "Newly selected" means items which are subject to Section 3 consisting of chemical substances which have never been used by the NSK Group in the past.]
- 3) **NSK Observation Substance** Substances whose usage locations, applications and content must be known in accordance with the Classes and Standards for Product Groups specified in Section 2-2.

### 2 – 2 Management classification and management criteria according to product group

The management classification for each NSK product group was decided according to legal regulations, industry guidelines and customer demand.

Product Group	NSK Prohibited Substances	NSK Reduced Substances	NSK Observation Substances
<b>Ball bearing</b> <b>Direct drive products</b> - Ball screw - NSK linear guide - Monocarrier (machine parts) <b>NSK-Warner products</b> - Friction plate - One-way clutch - Clutch assembly	( 4,081 substances )	( 253 substances )	( 5,099 substances )
<b>Autoparts</b> - Steering - Ball screw for actuators	P and D/P of GADSL are applied.		D of GADSL is applied.
<b>Mechatronics equipment</b> (Megatorque motor, XY table, etc.) <b>Direct drive products</b> - Monocarrier (electrical and electronic components) <b>Spindle</b>	- Cadmium and its compounds (100 ppm and above) - Lead and its compounds (1000 ppm and above) - Mercury and its compounds (1000 ppm and above) - Hexavalent chromium salts (1000 ppm and above) - Polybrominated biphenyls (1000 ppm and above) - Polybrominated diphenyl ether (1000 ppm and above) - Benzyl butyl phthalate(BBP)(1000 ppm and above) - Di(2-ethylhexyl)phthalate(DEHP)(1000 ppm and above) - Dibutylphthalate(DBP)(1000 ppm and above) - Diisobutylphthalate(DiBP)(1000 ppm and above)  (Excluding the respective substances that comply with the RoHS Directive)	-	IEC62474 However, excluding RoHS substances

### 3. Application Range and Examples

Use	Description	Product Example
Parts/Materials	Parts/materials and finished/semi-finished products used in NSK products	Resins (parts/materials), rubbers (parts/materials), greases, oils, solders, finishings (platings etc.), steel stock, nonmetal materials, machined parts, screws, sensors, motors, controllers, electronic components, and others.
Sub-Materials	Substances used in or that come with NSK products which are shipped	Anticorrosives, adhesives, paints, tapes, labels, instructions for use, inks, markers, and others.
Auxiliary Materials for Production	Oils, grinding stones, and cutting tools, Jig tools used in NSK production processes	Heat treating oils, working oils (forging, cutting, grinding), surface treatment agents, detergents, solvents (thinners, etc.), interim anticorrosives, cutting tools, grinding stones, Jig tools and others.
Packing/Packaging Materials	Materials used for shipping/transporting NSK products	Plastic boxes, trays, plastic bags, plastic sheets, stretch films, cushions, pallets, crates, cardboards, tapes, banding bands, labels, printing inks, and others.

### 4. Definition of Terminology

- 1) **Environmentally harmful substance**  
A substance which has, or may have, a detrimental effect on people's health or environmental conservation
- 2) **Intentionally contained:**  
A case where a substance is continually used or added intentionally in order to impart specific characteristics, appearance or quality.
- 3) **Unintentionally contained:**  
A case where a substance is contained although not added intentionally.
  - When it is contained in a material or raw material, etc., and cannot be removed industrial material.
  - When it is a side product which cannot be removed in the manufacturing process.
- 4) **Permitted concentration (threshold):**  
Concentration below which substance is not to be prohibited, restricted or controlled.
- 5) **CAS-No (Chemical Abstracts Service Number) :**  
A number assigned to a chemical substance by the American Chemical Society (ACS: American Chemical Society).  
It has a maximum of 10 digits, a unique number being assigned to every chemical.
- 6) **GADSL (Global Automotive Declarable Substance List)**  
A list of banned substances or substances to be notified drawn up by the motor vehicle industry.  
If a threshold is exceeded, the following classification is applied:
  - P** : Prohibited for any use
  - D/P** : Prohibited for certain uses, while for other uses, notification must be given.
  - D** : Whenever used, notification must be given.
- 7) **IEC62474 (Issued on March 22, 2012)**
  - Mandatory** : Reporting is mandatory.
  - Optional** : Reporting is optional.
- 8) **chemSHERPA**  
A common scheme for communicating information on chemical substances contained in products that can be used throughout the supply chain.  
Data preparation support tool for articles (chemSHERPA-AI) and data preparation support tool for chemicals (chemSHERPA-CI) are available.  
The tools are available from the website operated by the Joint Article Management Promotion-consortium (JAMP).  
Tools, data samples, operation manuals, etc. can be obtained from the website operated by the Joint Article Management Promotion-consortium (JAMP).  
JAMP homepage: <https://chemsherpa.net/>

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Acetaldehyde	アセトアルデヒド	75-07-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Acetamide, N-methyl-	アセトアミド、N-メチル	79-16-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●															
Acetonitrile	アセトニトリル	75-05-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Acrylamide	アクリルアミド	79-06-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●	●														
Acrylonitrile	アクリロニトリル	107-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Alkyl (C7-C9), 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates, mixture of branched and linear		127519-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Alkyl Phenol derivatives, selected	アルキルフェノール誘導体、抜粋		Prohibited/Obser- vation			D/P																	
Phenol, dodecyl-, branched	ドデシル、分岐	121158-58-5	Prohibited/Obser- vation	To be prohibited: Additives in mixtures sold alone (e.g., antioxidants in lubricants) To be controlled: Conditions other than Prohibited	To be prohibited: 3,000ppm To be controlled: 1,000ppm	D/P		●															
Phenol, 2-dodecyl-, branched	2-ドデシル、分岐	1801269-80-6	Prohibited/Obser- vation	To be prohibited: Additives in mixtures sold alone (e.g., antioxidants in lubricants) To be controlled: Conditions other than Prohibited	To be prohibited: 3,000ppm To be controlled: 1,000ppm	D/P		●															
Phenol, 3-dodecyl-, branched	3-ドデシル、分岐	1801269-77-1	Prohibited/Obser- vation	To be prohibited: Additives in mixtures sold alone (e.g., antioxidants in lubricants) To be controlled: Conditions other than Prohibited	To be prohibited: 3,000ppm To be controlled: 1,000ppm	D/P		●															
Phenol, 4-dodecyl-, branched	4-ドデシル、分岐	210555-94-5	Prohibited/Obser- vation	To be prohibited: Additives in mixtures sold alone (e.g., antioxidants in lubricants) To be controlled: Conditions other than Prohibited	To be prohibited: 3,000ppm To be controlled: 1,000ppm	D/P		●															
Phenol, (tetrapropenyl) derivatives	ドデシル、(テトラプロペン)誘導体	74499-35-7	Prohibited/Obser- vation	To be prohibited: Additives in mixtures sold alone (e.g., antioxidants in lubricants) To be controlled: Conditions other than Prohibited	To be prohibited: 3,000ppm To be controlled: 1,000ppm	D/P		●															
Amines, coco alkyl		61788-46-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Amines, which can form carcinogenic Nitrosamines, selected	発がん性のあるニトロソアミンを形成する可能性のあるアミン、抜粋		Observation			D																	
N,N-Diethanolamine (Ethanol, 2,2'-iminobis-)	ジエタノールアミン	111-42-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N,N-Diethylamine (Ethanamine, N-ethyl-)	ジエチルアミン	109-89-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N,N-Di-i-propylamine (2-Propanamine, N-(1-methylethyl)-)	ジイソプロピルアミン	108-18-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N,N-Dimethylamine (Methanamine, N-methyl- )	ジメチルアミン	124-40-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N,N-Di-n-propylamine (1-Propanamine, N-propyl- )	ジ-n-プロピルアミン	142-84-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N,N-Di-n-butylamine (1-Butanamine, N-butyl- )	ジ-n-ブチルアミン	111-92-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N,N-Ethylphenylamine (Benzenamine, N-ethyl- )	N-エチルアニリン	103-69-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N,N-Methylethylamine (Ethanamine, N-methyl- )	N-メチルエチルアミン	624-78-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
N-Methyl-N-phenylamine (Benzenamine, N-methyl- )	N-メチルアニリン	100-61-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Morpholine	モルフィン	110-91-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Piperidine	ピペリジン	110-89-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Pyrrolidine	ピロリジン	123-75-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
4-Aminobiphenyl and its salts, all members	4-アミノビフェニルおよびその塩、全て		Prohibited			P																
4-Aminobiphenyl	4-アミノビフェニル	92-67-1	Prohibited	Antioxidant in lubricants, rubber and latex, plastics	Relative to the weight of component parts and materials 100	P	●	●	●							●			●		●	
p-aminobiphenyl hydrochloride	p-アミノビフェニル塩酸塩	2113-61-3	Prohibited	Antioxidant in lubricants, rubber and latex, plastics	Relative to the weight of component parts and materials 100	P																
Ammonium Nitrate (AN)	硝酸アンモニウム	6484-52-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Ammonium perchlorate	過塩素酸アンモニウム	7790-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●															
Aniline and its salts, all members	アニリンおよびその塩、全て		Observation			D																
Aniline	アニリン	62-53-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																●
Aniline chloride	アニリン塩酸塩	142-04-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																●
Anilinetrihydroboron	アニリントリフルオロボロン	660-53-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Benzenamine sulfate (2:1)	アニリン硫酸塩	542-16-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Salts from 2,2'-Dichloro-4,4'-methylendianiline		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D										●						●
3,5-Dichloro-4-(1,1,2,2-Tetrafluoroethoxy)Aniline	3,5-ジクロロ-4-(1,1,2,2-テトラフルオロエトキシ)アニリン	104147-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Salts from 4,4'-Carbonimidoylbis[N,N-dimethylanilin]	4,4'-カルボニミドビス[N,N-ジメチルアニリン]塩	-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D										●						●
Anthracene oil	アントラセン油	90640-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●	●												●
9,10-Anthracenedione, 1-[(5,7-dichloro-1,9-dihydro-2-methyl-9-oxopyrazolo[5,1-b]quinazolin-3-yl)azo]- (Pigment Red 251)	3-(1-アントラセン-10-イル)-5,7-ジクロロ-2-メチル-1H-ピラゾロ[5,1-b]キノザリン-9-イルアゾ	74336-60-0	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	D																
Antimonytrioxide (Diantimonytrioxide)	三酸化アンチモン(三酸化二アンチモン)	1309-64-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																●
Aromatic amines, selected	芳香族アミン類、抜粋		Observation			D/P																
N-Phenyl-2-naphthylamine	N-フェニル-2-ナフチルアミン	135-88-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Diethylmethylbenzenediamine	ジエチルメチルベンゼンジアミン	68479-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Bis(methylthio)toluenediamine	ビス(メチルチオ)トルエンジアミン	106264-79-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Diphenylamine	ジフェニルアミン	122-39-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
1,3-benzenediamine, 4,6-diethyl-2-methyl-	2,6-ジアミノ-3,5-ジエチル-1,3-ベンゼンジアミン	2095-01-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
1,3-benzenediamine, 2,4-diethyl-6-methyl-	2,4-ジアミノ-3,5-ジエチル-1,3-ベンゼンジアミン	2095-02-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
O-toluidine, 4-chloro-, hydrochloride	4-クロロ-オ-トルイジン塩酸塩	3165-93-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P																●
2,4-Diaminoanisole sulphate (1,3-Benzenediamine, 4-methoxy-, sulfate (1:1))	2,4-ジアミノアニソール硫酸塩 (1:1)	39156-41-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P																●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Benzenamine, 2-methyl-5-nitro-, monohydrochloride	4,4'-(4-イミノフェニル)-2,5-ジニトロフェニルアミン塩酸塩	51085-52-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)aniline	3,5-ジクロロ-4-(1,1,2,2-テトラフルオロエトキシ)アニリン	104147-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	4-[[4-アニリノ-1-ナフチル][4-(ジメチルアミノ)フェニル]メチレン]シクロヘキサ-2,5-ジエン-1-イリデン]ジメチルアモニウム塩酸塩	2580-56-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●															
Methanaminium, n-[4-bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-n-methyl-, chloride: C.I. Basic Violet 3	4-[[4-(ジメチルアミノ)フェニル]メチレン]-2,5-シクロヘキサ-1-イリデン]ジメチルアモニウム塩酸塩	548-62-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P		●										●		●			
Benzenamine, 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-, monohydrochloride	4-[[4-アミノフェニル(4-イミノ-2,5-シクロヘキサ-1-イリデン)メチル]フェニル]アミン塩酸塩	569-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P												●		●			
Arsenic and its compounds, all members	ヒ素およびその化合物、全て		Prohibited			D/P																	
Cadmium arsenide (Cd3As2)	ヒ化カドミウム	12006-15-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P		●															
Chromium arsenide (Cr2As)	ヒ化クロム	12254-85-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Lead arsenate	ヒ酸鉛	3687-31-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P		●	●														
Lead arsenate	ヒ酸鉛	7784-40-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P		●	●									●					
Lead arsenate (Pb3(AsO4)2)	亜ヒ酸鉛(ii)	10102-48-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P			●														
Lead arsenate, unspecified	ヒ酸鉛(混合)	7645-25-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P			●														
Lead arsenite	亜ヒ酸鉛	10031-13-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P			●														
Mercuric arsenate	ヒ酸第二水銀(HgAsHO4)	7784-37-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P			●														
2,6-Dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate	2,6-ジメチル-4-(1-ナフチル)ピリウムヘキサフルオロアセナート	84282-36-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
2,6-Dimethyl-4-phenylpyrylium hexafluoroarsenate	2,6-ジメチル-4-フェニルピリウムヘキサフルオロアセナート	84304-15-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
4-Cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate	4-シクロヘキシル-2,6-ジメチルピリウムヘキサフルオロアセナート	84304-16-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
6,6'-Dihydroxy-3,3'-diarsene-1,2-diylidanium dichloride	6,6'-ジヒドロキシ-3,3'-ジアセニル-1,2-ジイリジニウムジクロライド	139-93-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
Aluminum arsenide (AlAs)	ヒ化アルミニウム	22831-42-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
Aluminum gallium arsenide ((Al,Ga)As)	ヒ化アルミニウム-ガリウム	37382-15-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
Ammonium arsenate	ヒ酸アモニウム	7784-44-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
Ammonium-magnesium-arsenat	アモニウム-マグネシウム-亜ヒ酸混合物	14644-70-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
Antimony arsenate	ヒ酸アンチモン	28980-47-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
Antimony arsenic oxide	酸化ヒ素アンチモン	64475-90-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														
Antimony arsenide (Sb3As)	ヒ化アンチモン (Sb3As)	12255-36-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Arsenargenticite (Ag3As)	砒化銀 (Ag3As)	12417-99-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenate(1-), hexafluoro-, hydrogen	六フッ化砒酸水素	17068-85-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenate(1-), hexafluoro-, lithium	六フッ化砒酸リチウム	29935-35-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenate(1-), hexafluoro-, potassium	六フッ化砒酸カリウム	17029-22-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenous acid, lithium salt	亜砒酸リチウム塩	72845-34-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid	砒酸	1327-52-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid	砒酸	7778-39-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P	●	●	●													
Arsenic acid (H3AsO4), ammonium copper(2+) salt (1:1:1)	砒酸 (H3AsO4)アンモニウム銅 (1:1:1)	32680-29-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), barium salt (2:3)	砒酸 (H3AsO4)バリウム塩 (2:3)	13477-04-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), bismuth salt (1:1)	砒酸 (H3AsO4)ビスマス塩 (1:1)	13702-38-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)	砒酸コバルト(II)	24719-19-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), copper salt	砒酸銅(II)(AsH3O4.xCu)	10103-61-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), copper(2+) salt (2:3)	砒酸銅(II)(Cu3(AsO4)2)	7778-41-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), dipotassium salt	砒酸(H3AsO4)二カリウム塩	21093-83-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), manganese-doped	砒酸マンガネウム塩 マンガンドーピング塗料	102110-21-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), monoammonium salt	砒酸二水素アンモニウム	13462-93-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), strontium salt (2:3)	砒酸ストロンチウム塩 (2:3)	13464-68-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), trillithium salt	砒酸リチウム	13478-14-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid (H3AsO4), trisilver(1+) salt	砒酸銀	13510-44-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic acid, lead (4+) salt	砒酸鉛 (4+)塩	53404-12-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P		●														
Arsenic acid, trisodium salt	砒酸ナトリウム	13464-38-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic bromide	砒酸ブロミド	64973-06-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic bromide	砒酸ブロミド	7784-33-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic chloride	砒化塩素	37226-49-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsino thioxo	二硫化二砒素	12044-79-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Arsenic sulfide (AsS2)	二硫化砒素	56320-22-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic pentoxide	五酸化二砒素	1303-28-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P	●	●	●	●								●				
Arsenic selenide (As2Se3)	三セレン化二砒素	1303-36-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic sulfide	五硫化砒素	12612-21-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic sulfide (As2S4)	四硫化二砒素	12344-68-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic telluride (As2Te3)	三テルル化二砒素	12044-54-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic trichloride	三塩化砒素	60646-36-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic trioxide	三酸化二砒素	1327-53-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P	●	●	●	●								●				
Arsenic trisulfide	三硫化二砒素	1303-33-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenic, elemental	砒素	7440-38-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenopyrite, cobaltoan		12414-94-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenous acid, trisodium salt	亜砒酸三ナトリウム	13464-37-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenous trichloride	三塩化砒素	7784-34-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Arsenous triiodide	三ヨ化砒素	7784-45-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Barium arsenide (Ba3As2)	ヒ化バリウム	12255-50-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Benzenediazonium, 3-methyl-4-(1-pyrrolidinyl)-, hexafluoroarsenate(1-)	3-メチル-4-(1-ピロリジン)-2-イミダジウムヘキサフルオロアセナート	27569-09-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Benzenediazonium, 4-(diethylamino)-2-ethoxy-, hexafluoroarsenate(1-)	4-(ジエチルアミノ)-2-エトキシベンゼンジアジウムヘキサフルオロアセナート(1-)	63217-33-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Benzenediazonium, 4-(ethylamino)-2-methyl-, hexafluoroarsenate(1-)	4-(エチルアミノ)-2-メチルベンゼンジアジウムヘキサフルオロアセナート(1-)	63217-32-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Benzenesulfonic acid, 4-arsenoso-	4-アセナートベンゼンスルホン酸	71130-51-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Benzenesulfonic acid, 4-arsenoso-, sodium salt	4-アセナートベンゼンスルホン酸ナトリウム	71130-50-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Boron(1+), bis(2,4-pentanedionato-O,O'), (T-4)-, hexafluoroarsenate(1-)	ビス(2,4-ペンタネジオネート-O,O')のホウ素(1+)ヘキサフルオロアセナート(1-)	68892-01-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Calcium arsenate	ヒ酸カルシウム	10103-62-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Calcium arsenate	ヒ酸カルシウム	7778-44-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●	●													
Calcium arsenide (Ca3As2)	ヒ化カルシウム (Ca3As2)	12255-53-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Calcium arsenite	亜ヒ酸カルシウム	52740-16-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Calcium arsenite (2:1)	亜ヒ酸カルシウム(CaAsO4)	15194-98-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Calcium arsenite (2:3)	亜ヒ酸カルシウム(Ca3(AsO3)2)	27152-57-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Cobalt arsenide (CoAs)	七酸化コバルト	27016-73-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Cobalt arsenide (CoAs2)	七酸化コバルト (CoAs2)	12044-42-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Cobalt arsenide (CoAs3)	七酸化コバルト (CoAs3)	12256-04-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Copper acetoarsenite	アセト亜硫酸銅	12002-03-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Copper arsenate	七硫酸銅(II)(混合)	29871-13-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Copper arsenate hydroxide (Cu2(AsO4)(OH))	七硫酸酸化銅(Cu2(AsO4)(OH))	12774-48-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Copper arsenide (Cu3As)	七化銅	12005-75-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Copper arsenite	亜硫酸銅	10290-12-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Copper arsenite	亜硫酸銅	33382-64-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Copper diarsenite	七硫化(トリアールシノ)銅(II)	16509-22-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Diarsenic acid	七硫化砷	13453-15-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Diphenyldiarsenic acid	1,2-ジフェニル-1,2-ジアールシノ	4519-32-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Disodium hydrogen arsenate (Arsenic acid (H3AsO4), disodium salt, heptahydrate)	七硫酸水素二ナトリウム七水和物	10048-95-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Disodium hydrogen arsenate (Arsenic acid (H3AsO4), sodium salt (1:2))	七硫酸水素二ナトリウム	7778-43-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Dysprosium arsenide (DyAs)	七化ジプロシウム	12005-81-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Erbium arsenide (ErAs)	七化エルビウム	12254-88-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Europium arsenide (EuAs)	七化ユーロピウム(EuAs)	32775-46-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Ferric arsenate	七硫酸鉄(III)	10102-49-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Ferric arsenite	亜硫酸第二鉄五水和物	63989-69-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Ferrous arsenate	七硫酸第一鉄	10102-50-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Gadolinium arsenide (GdAs)	七化ガドリニウム	12005-89-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Gallium arsenide	七化ガリウム	1303-00-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●											●		●		
Gallium arsenide phosphide		106097-61-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Digallium arsenide phosphide	ガリウム二アールシノ(2:1:1)	12044-20-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Gallium zinc triarsenide	三七化ガリウム亜鉛	98106-56-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Germanium arsenide (GeAs)	七化ゲルマニウム (GeAs)	12271-72-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Holmium arsenide (HoAs)	七化ホルミウム	12005-92-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Indium arsenide (InAs)	七化インジウム	1303-11-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Iodonium, diphenyl-, hexafluoroarsenate(1-)	ジフェニル六フッ素ヒオニウム	62613-15-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Iron arsenide (Fe2As)	二化鉄	12005-88-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Iron arsenide (FeAs)	一七化鉄	12044-16-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Iron arsenide (FeAs2)	二七化鉄	12006-21-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Lanthanum arsenide (LaAs)	七化ラニウム	12255-04-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Lithium arsenide (Li3As)	七化リチウム	12044-22-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Lutetium arsenide (LuAs)	七化ルテチウム	12005-94-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Magnesium arsenate	七酸マグネシウム	10103-50-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Magnesium arsenide (Mg3As2)	七化マグネシウム	12044-49-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Manganese arsenide (Mn2As)	七化マンガン (Mn2As)	12005-96-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Manganese arsenide (MnAs)	一七化マンガン	12005-95-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Manganese hydrogenarsenate	酸性七酸マンガン	7784-38-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Metaarsenic acid	メタ七酸	10102-53-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Methylum, triphenyl-, hexafluoroarsenate(1-)	トリフェニル六フッ素ヒオニウム	437-15-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
N-(p-Arsenosophenyl)-1,3,5-triazine-2,4,6-triamine	N-(p-アセノソフェニル)-1,3,5-トリアジン-2,4,6-トリアミン	21840-08-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Neodymium arsenide (NdAs)	七化ネオジム	12255-09-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Nickel arsenide (NiAs)	一七化ニッケル	27016-75-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●											●			
Nickel diarsenide	七化ニッケル; 二七化ニッケル	12068-61-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●											●			
Niobium arsenide (NbAs)	七化ニオブ	12255-08-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Platinum arsenide (PtAs2)	七化プラチナ	12044-52-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Potassium arsenate	七酸カリウム	7784-41-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Potassium arsenide (K3As)	七化カリウム	12044-21-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Potassium arsenite	亜七酸カリウム(AsH3O3 xK)	10124-50-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Potassium arsenite	亜七酸カリウム(AsH3O3 xK)	13464-35-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Praseodymium arsenide (PrAs)	七化プラセオジム	12044-28-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Rammelsbergite (NiAs2)	七化ニッケル(NiAs2)	1303-22-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														
Samarium arsenide (SmAs)	七化サマリウム	12255-39-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Silicic acid (H4SiO4), tetraethyl ester, polymer with arsenic oxide(As2O3)	酸化ヒ素(As2O3)によるシリカ-ケイ酸(H4SiO4)ポリマー	68957-75-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Silicon(1+), tris(2,4-pentanedionato-O,O')-, (OC-6-11)-, hexafluoroarsenate(1-)	トリス(2,4-ペンタネジオネート-O,O')-ヘキサフルオロ亜硫酸(1-)	67251-38-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Silver arsenide (Ag2As)	化銀 (Ag2As)	70333-07-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Sodium arsenate	化砒水素ナトリウム	7631-89-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Sodium arsenide (Na3As)	化砒ナトリウム	12044-25-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Sodium arsenite	亜砒化ナトリウム	7784-46-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Sodium metaarsenate	亜砒酸ナトリウム	15120-17-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Strontium arsenide (Sr3As2)	ストロンチウム亜砒酸 (Sr3As2)	39297-24-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Strontium arsenite	亜砒酸ストロンチウム	15195-06-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Strontium arsenate	砒酸ストロンチウム	91724-16-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Strychnidin-10-one, arsenite (1:1)	スリキニジン-10-オン, 亜砒酸塩(1:1)	100258-44-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Strychnine arsenate	スリキニジン, 砒酸	10476-82-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Sulfonium, triphenyl-, hexafluoroarsenate(1-)	トリフェニルメチルヘキサフルオロ亜砒酸	57900-42-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Terbium arsenide (TbAs)	化テラビウム	12006-08-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Thallium arsenide (TIAs)	化タリウム	12006-09-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Thallium triarsenide	三化タリウム	84057-85-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Thulium arsenide (TmAs)	化ツリウム	12006-10-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Triammonium arsenate	砒酸トリアモニウム	24719-13-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Triethyl arsenate	砒酸トリエチル	15606-95-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●	●									●				
Triethyl arsenite	トリエチル亜砒酸	3141-12-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Trimanganese arsenide	化三マンガニン	61219-26-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Trinickel bis(arsenate)	砒酸ニッケル	13477-70-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●									●				
Tris[(8a)-6'-methoxycinchonan-9(R)-ol] arsenite	トリス[(8a)-6'-メトキシシンコナン-9(R)-オール] 亜砒酸塩	94138-87-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Tris[(8a,9R)-6'-methoxycinchonan-9-ol] bis(arsenate)	トリス[(8a,9R)-6'-メトキシシンコナン-9-オール] ヒス(砒酸塩)	549-59-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Vanadium(4+) diarsenate (1:1)	二砒酸バナジウム(IV)(1:1)	99035-51-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Ytterbium arsenide (YbAs)	化イテラビウム	12006-12-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Yttrium arsenide (YAs)	化イットリウム	12255-48-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													
Zinc arsenate oxide (Zn5(AsO3)4O3), tetrahydrate	砒酸亜鉛	1303-39-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Arsenic acid (H3AsO4), zinc salt (2:3)	砒酸亜鉛	13464-44-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Zinc arsenide (Zn3As2)	三化三亜鉛	12006-40-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Zinc arsenide (ZnAs2)	二化一亜鉛	12044-55-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Zinc arsenite	亜砒酸亜鉛	10326-24-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Zirconium arsenide (ZrAs)	砒化ジルコニウム	60909-47-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Arsorous acid	砒酸	13464-58-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Arsin	アリン	7784-42-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Diphenoxarsin-10-yloxid	10-ヒドロキシジフェノキシアズン	58-36-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D/P		●															
Trisilverarsenite	亜砒酸銀	7784-08-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	D		●															
Flue dust, lead-refining		69029-67-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		62337-00-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Cobalt arsenide		65453-05-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Slimes and Sludges, copper refining		67712-00-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
ARSENIC(V) OXIDE HYDRATE		12044-50-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenic acid (H3AsO4), copper(2+) salt (2:3), tetrahydrate		13478-34-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenic acid (H3AsO4), monosodium salt		10103-60-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Diarsenic acid, sodium salt		13464-42-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenic acid (H3AsO4), zinc salt (1:1)		13464-33-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
potassium dimethylarsinate		21416-85-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
thallium arsenic selenide		16142-89-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
3-[(dimethylcarbamothioyl)thio]-N,N,6-trimethyl-1,5-bis(thiooxo)-2,4-dithia-6-aza-3-arsaheptan-1-amine; asomate		3586-60-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich		100995-81-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.		102110-62-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsonic acid, [4-[[4-(dimethylamino)phenyl]azo]phenyl]-, monohydrochloride		73688-85-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Tetraphenylarsonium Chloride Hydrochloride Hydrate		123334-18-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Sodium hexafluoroarsenate(V)		12005-86-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Silver hexafluoroarsenate		12005-82-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
2,4,6,8,9,10-Hexaoxa-1,3,5,7-tetraarsatricyclo[3.3.1.1.3,7]decane		12505-67-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
tris(trimethylsilyl)arsine		17729-30-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Oxophenarsine hydrochloride		538-03-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Triphenylarsine		603-32-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sulfarsphenamine		618-82-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Phenylarsine oxide		637-03-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Disodium 3-[(o-aronophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		3547-38-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Disodium 4-[(o-aronophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate		3688-92-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
2-nitrophenylarsonic acid		5410-29-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Trifluoroarsine		7784-35-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Pentafluoroarsorane		7784-36-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Pentahydroxyarsorane		7786-36-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Flue dust, arsenic-contg.		8028-73-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Dimethylarsinic acid		75-60-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●													●	
Phenylarsonic acid		98-05-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
4-hydroxyphenylarsonic acid		98-14-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsanilic acid		98-50-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Nitarsonic acid		98-72-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Oxophenarsine		306-12-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Neoarsphenamine		457-60-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Roxarsone		121-19-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sodium dimethylarsinate		124-65-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sodium hydrogen 4-aminophenylarsonate		127-85-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Methyltriphenylarsonium iodide		1499-33-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
2,7-(bis(2-aronophenylazo))-1,8-dihydroxynaphthalene-3,6-disulphonic acid		1668-00-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
2-aminophenylarsonic acid		2045-00-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), monocation salt		16331-85-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Sodium cacodylate trihydrate		6131-99-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Silicic acid (H4SiO4), zinc salt (1:2), arsenic and manganese-doped		68611-46-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3)		68951-38-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Methylarsonic acid		124-58-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Disodium arsonoacetate		126-82-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
4-[(2-aronophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonic acid		132-33-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sodium hydrogen [4-[(hydroxyacetyl)amino]phenyl]arsonate		140-45-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
o-phenylenediarsonic acid		1758-48-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sodium p-[[4-[3-(2-arono-4-nitrophenyl)triazen-1-yl]phenyl]azo]benzenesulphonate		1772-02-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
3-amino-4-hydroxyphenylarsonic acid		2163-77-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sodium methylarsonate		2163-80-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
(Carboxymethyl)trimethylarsonium hydroxide inner salt		64436-13-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Calcium arsenate (CaHAsO4) (6Cl,7Cl)		15195-00-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tetraphenylarsonium (hydrogen dichloride)		21006-73-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Methylenebis(diphenylarsine)		21892-63-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Trisodium 4-[(o-aronophenyl)azo]-3-oxidonaphthalene-2,7-disulphonate		53669-45-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Acetarsol sodium		55588-51-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Diphenylarsinecarbonitrile		23525-22-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Bis[(2-diphenylarsinoethyl)phenyl]phosphine		23582-05-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
[2-(diphenylarsinoethyl)diphenyl]phosphine		23582-06-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), magnesium salt (2:3)		21480-65-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic pentachloride		22441-45-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, gallium salt (1:1)		24343-41-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
10-chloro-10H-phenoxarsine		2865-70-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tri-p-tolylarsine		2896-10-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Difetarzone disodium		515-76-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Trisodium 2-(4-hydroxyphenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonate		520-10-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Acetarsol--diethylamine (1:1)		534-33-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tryparsamide		554-72-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
10-chloro-5,10-dihydrophenarsazine		578-94-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sodium hydrogen [4-(acetamido)phenyl]arsonate		585-54-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Allylarsonic acid		590-34-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Methyloxoarsine		593-58-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Trimethylarsine		593-88-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Dichloro(ethyl)arsine		598-14-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Triethylarsine		617-75-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
4-acetamidophenylarsonic acid		618-22-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
4-(4-dimethylaminophenylazo)phenylarsonic acid		622-68-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Iododimethylarsine		676-75-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Dichloro(phenyl)arsine		696-28-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Chlorodiphenylarsine		712-48-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Diphenylarsine		829-83-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Methyl 1,2,5,6-tetrahydro-1-methylnicotinate, mono[(3-acetamido-4-hydroxyphenyl)arsonate]		900-77-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Methyldiphenylarsine		945-48-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Triphenylarsine oxide		1153-05-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonate		3599-28-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Difetarzone		3639-19-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
2-[[7-[(2-aronophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-naphthyl]azo]benzoic acid		3772-44-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
p-tolylarsonic acid		3969-54-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Strychnine dimethylarsinate		10476-87-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Ethylenebis(dimethylarsine)		4431-24-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
10-[(dimethylthiocarbamoyl)thio]-5,10-dihydrophenarsazine		4808-24-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
4-(2-chloroacetamido)phenylarsonic acid		5425-62-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
4-chlorophenylarsonic acid		5440-04-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Calcium bis(dimethylarsinate)	砒酸銅(Ⅱ)(Cu3(AsO4)2)	5785-43-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
[4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic acid		5806-89-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate		5892-48-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Calcium bis(methylarsonate)		5902-95-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Iron tris(dimethylarsinate)		5968-84-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Diiodo(phenyl)arsine		6380-34-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Sodium p-arsonobenzenesulphonate		6634-88-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
4-(4-aminophenylazo)phenylarsonic acid		6966-64-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Sodium 4-(glycolloylamino)phenylarsonate		7681-83-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Disodium hydrogen 2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-naphthyl]azo]benzoate		14674-83-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
2,2'-[ethylenebis(oxy)]bis[1,3,2-dioxarsolane]		14849-23-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Chlorotris(triphenylarsine)rhodium		14973-92-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Proustite (Ag3(AsS3))		15122-58-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
o-phenylenebis(dimethylarsine)		13246-32-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Melarsonyl potassium		13355-00-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Thiobis[methylarsine], anhydrosulphide		13367-92-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Acetarsol		97-44-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Propylarsonic acid		107-34-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Disodium methylarsonate		144-21-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
4-(glycolloylamino)phenylarsonic acid		144-87-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																
Tetramethyldiarsine		471-35-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Melarsoprol		494-79-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tetraphenylarsonium bromide		507-27-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tetraphenylarsonium chloride		507-28-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Glycobiarsol		116-49-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsthinol		119-96-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Carbarstone		121-59-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
ARSENIC ACID (H3ASO4), HEMIHYDRATE		7774-41-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsonic acid, methyl-, calcium salt (1:1)		6423-72-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), monopotassium salt, 1/5hydrate		164170-84-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tripotassium arsenate 3/2hydrate		62702-52-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tin arsenide (Sn4As3)		12397-66-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic chloride (AsCl2)		41996-37-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
(2-Chloroethenyl)arsonous dichloride		541-25-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Zinc arsenide		56450-43-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, iron(3+) salt (1:1)		60168-33-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Sodium oxidoarsonous acid		60189-99-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Gallium arsenic phosphide		60953-19-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Strontium arsenide (SrAs3)		61462-16-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
(4-((2-Amino-2-oxoethyl)amino)phenyl)arsonic acid		618-25-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsonic acid, methyl-, compd. with 1-octanamine (1:1)		6379-37-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped		68784-76-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, silver(1+) salt		69507-43-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, copper(2+) salt, hydrate, (2:3:3)		73156-86-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, neodymium(3+) salt		76871-63-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, lutetium(3+) salt		76871-65-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Arsenous acid, cadmium neodymium(3+) salt (5:1:1)		76871-66-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), copper(2+) salt (2:3)		76407-89-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, cesium salt		82005-78-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, mercury(2+) salt		82980-40-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, antimony(3+) salt		83877-96-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, cadmium salt		84953-43-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, cobalt(2+) salt		85561-28-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, manganese(2+) salt		85561-29-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, rubidium salt		85906-44-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), calcium salt (7:10)		85949-61-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, praseodymium(3+) salt		86859-92-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, cerium(3+) salt		86859-93-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate		88442-64-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), copper(2+) salt (4:5)		89054-01-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), lead(2+) salt (4:5)		89054-03-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), calcium salt (4:5)		89067-81-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, titanium salt		92278-94-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid, tin salt		93080-00-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, ammonium copper salt		94854-78-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, ammonium zinc salt		94854-80-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, tricopper(1+) salt, ammoniated		37337-11-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic tetrasulfide		56729-51-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid, monoammonium salt		54058-01-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tetraarsenic trisulfide		12512-13-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic(5-) hexafluoride		16973-45-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														

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Arsenic tetrachloride fluoride		87198-15-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenic acid, lead(2+) salt (1:1)		109882-46-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsine, dichloromethyl-		593-89-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenic sulfide (As2S5)		1303-34-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Calcium arsenate fluoride		17068-86-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenic chloride (AsCl)		17522-78-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1)		73003-83-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Strychnidin-10-one, compd. with methylarsonate (1:1)		80879-64-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Methyl 17α-hydroxy-yohimban-16α-carboxylate, methylarsonate (1:1)		80925-03-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Disodium 3,6-bis[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-47-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Disodium 3-[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-48-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
3-formamido-4-hydroxyphenylarsonic acid		60154-16-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Bromo(hydroxytetraphenylarsonato)magnesium		63468-73-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Trisodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		66019-20-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Dibismuth tris(methylarsonate)		85237-42-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
(diphenylarsino)dimethylgallium		94113-53-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
(4-aminophenyl)arsonic acid, compound with piperazine (1:1)		94232-26-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Sodium hydrogen allylarsonate		94278-22-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Disodium p-tolylarsonate		94313-58-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Leucomycin V, 9-O-[5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]-, [9(5S,6R)]-, [1,2-ethanediylbis(imino-4,1-phenylene)]bis[arsonate] (1:1) (salt)		93841-79-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenazo III sodium		138608-19-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Manganese arsenate		27526-45-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenous acid, zinc salt (2:3)		28837-97-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															
Arsenic acid (H3AsO4), cobalt(2+) salt		29871-10-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
arsenic acid (H3AsO4), calcium salt(2:3), dihydrate		30621-31-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsine oxide, dichloro(2-chlorovinyl)-		333-25-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), lead(4+) salt (2:1), monohydrate		33940-95-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsonic acid, methyl-, iron salt (9Cl)		33972-75-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, nickel(2+) salt		33992-49-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, tripotassium salt		36267-15-9	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsonate		36465-76-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Iron arsenide		39310-41-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsine, bis(2-chlorovinyl)chloro-		40334-69-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsine, tris(2-chloroethyl)-		40334-70-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, lead(2+) salt (1:1)		100822-74-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), copper(2+) salt (4:1)		102525-64-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
4-Aminophenylarsenoxide		1122-90-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Magnesium arsenate, decahydrate		117746-50-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Boron arsenide (BAs)		12005-69-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Boron arsenide (B6As)		12005-70-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), lead(2+) salt (2:3), tetrahydrate		120119-64-4	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tin arsenide (SnAs)		12044-32-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Tetraarsenic tetrasulfide		12279-90-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenous acid, antimony(3+) salt (1:1)		12523-20-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic selenide		12626-31-2	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic oxide		12777-38-7	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Arsenic acid (H3AsO4), ammonium salt (2:1)		127795-79-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														
Nickel arsenide		12795-30-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulation s, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Arsenic acid (H3AsO4), copper(2+) salt (1:1)		13464-31-8	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-			●													
Arsenic acid, tripotassium salt		13464-36-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-			●													
Arsenic acid, calcium salt (1:2)		13464-39-6	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-			●													
Arsenic acid, disodium salt		13466-06-3	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-			●													
Boron arsenate		13510-31-1	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-			●													
Zinc arsenate, octahydrate		13510-72-0	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-			●													
Arsenous acid		13768-07-5	Prohibited	Substances or mixtures with REACH restricted uses (hull pollution prevention, wood preservation)	Intentionally added	-			●													
Asbestos fibers, all members	アスベスト繊維、全て		Prohibited			P																
Asbestos, actinolite	石綿(アキノライト)	77536-66-4	Prohibited	All applications and products	Intentionally added	P	●		●							●			●			●
Asbestos, amosite	石綿(アメイト)	12172-73-5	Prohibited	All applications and products	Intentionally added	P	●		●							●			●			●
Asbestos, anthophyllite	石綿(アンソフィライト)	77536-67-5	Prohibited	All applications and products	Intentionally added	P	●		●							●			●			●
Asbestos, chrysotile	石綿(クリソタイル)	12001-29-5	Prohibited	All applications and products	Intentionally added	P	●		●							●			●			●
Asbestos, crocidolite	石綿(クロシドライト)	12001-28-4	Prohibited	All applications and products	Intentionally added	P	●		●							●			●			●
Asbestos, Tremolite	石綿(トレモイト)	77536-68-6	Prohibited	All applications and products	Intentionally added	P	●		●							●			●			●
Asbestos minerals, all members	アスベスト鉱物、全て		Prohibited			D/P																
Asbestos	アスベスト	1332-21-4	Prohibited	All applications and products	Intentionally added	P	●									●					●	●
Actinolite	アキノライト	13768-00-8	Prohibited	All applications and products	Intentionally added	D																●
Tremolite	トレモイト(アキノライト-アスベスト)	14567-73-8	Prohibited	All applications and products	Intentionally added	D																●
Anthophyllite	アンソフィライト	17068-78-9	Prohibited	All applications and products	Intentionally added	D																●
Actinolite	アキノライト	12172-67-7	Prohibited	All applications and products	Intentionally added	D																●
Chrysotile	蛇紋石石綿 (クリソタイル)	132207-32-0	Prohibited	All applications and products	Intentionally added	P													●			●
Azodyes that can form carcinogenic amines, selected	発がん性アミンを生成する可能性のあるアゾ染料、抜粋		Prohibited			D/P																
C.I. Acid Black 29	C.I.アゾットブラック29	12217-14-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																
C.I. Acid Black 94, C.I.30336	C.I.アゾットブラック94, C.I.30336	6358-80-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																
C.I. Acid Black 131	C.I.アゾットブラック131	12219-01-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																
C.I. Acid Black 132	C.I.アゾットブラック132	12219-02-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																

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C.I. Acid Black 209	C.I. アジクトブラック 209	72827-68-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Brown 415	C.I. アジクトブロン 415	97199-27-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Orange 45, C.I.22195	C.I. アジクトオレンジ 45, C.I.22195	2429-80-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 4, C.I.14710	C.I. アジクトレッド 4, C.I.14710	5858-39-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 5, C.I.14905	C.I. アジクトレッド 5, C.I.14905	5858-63-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 24, C.I.16140	C.I. アジクトレッド 24, C.I.16140	5858-30-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 35, C.I.18065	C.I. アジクトレッド 35, C.I.18065	6441-93-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 85, C.I.22245	C.I. アジクトレッド 85, C.I.22245	3567-65-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Acid Red 104, C.I.26420	C.I. アジクトレッド 104, C.I.26420	8006-06-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 114, C.I.23635	C.I. アジクトレッド 114, C.I.23635	6459-94-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	●
C.I. Acid Red 115, C.I.27200	C.I. アジクトレッド 115, C.I.27200	8005-61-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 116, C.I.26660	C.I. アジクトレッド 116, C.I.26660	6245-62-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 119:1	C.I. アジクトレッド 119:1	90880-75-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 128, C.I.24125	C.I. アジクトレッド 128, C.I.24125	6548-30-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 148, C.I.26665	C.I. アジクトレッド 148, C.I.26665	6300-53-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 150, C.I.27190	C.I. アジクトレッド 150, C.I.27190	6226-78-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 158, C.I.20530	C.I. アジクトレッド 158, C.I.20530	8004-55-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 167	C.I. アジクトレッド 167	61901-41-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 264, C.I.18133	C.I. アジクトレッド 264, C.I.18133	6505-96-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Red 265, C.I.18129	C.I. アジクトレッド 265, C.I.18129	6358-43-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Acid Violet 12, C.I.18075	C.I. アジクトバイオレット 12, C.I.18075	6625-46-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Basic Brown 4, C.I.21010	C.I. アジクトブラウン 4, C.I.21010	5421-66-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Basic Red 42	C.I. アジクトレッド 42	12221-66-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Basic Red 76, C.I.12245	C.I. アジクトレッド 76, C.I.12245	68391-30-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Basic Red 111	C.I. アジクトレッド 111	118658-98-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	

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C.I. Solvent Yellow 82		12227-67-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Black 4, C.I.30245	C.I.染料用ブラック4. C.I.30245	2429-83-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Black 29, C.I.22580	C.I.染料用ブラック29. C.I.22580	3626-23-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Black 38, C.I.30235	C.I.染料用ブラック38. C.I.30235	1937-37-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P	●	●											●		●		
C.I. Direct Black 154	C.I.染料用ブラック154	37372-50-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 1, C.I.24410	C.I.染料用ブルー1. C.I.24410	2610-05-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 2, C.I.22590	C.I.染料用ブルー2. C.I.22590	2429-73-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Blue 3, C.I.23705	C.I.染料用ブルー3. C.I.23705	2429-72-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 6, C.I.22610	C.I.染料用ブルー6. C.I.22610	2602-46-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P													●		●		
C.I. Direct Blue 8, C.I.24140	C.I.染料用ブルー8. C.I.24140	2429-71-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 9, C.I.24155	C.I.染料用ブルー9. C.I.24155	6428-98-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 10, C.I.24340	C.I.染料用ブルー10. C.I.24340	4198-19-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 14, C.I.23850	C.I.染料用ブルー14. C.I.23850	72-57-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																●	
C.I. Direct Blue 15, C.I.24400	C.I.染料用ブルー15. C.I.24400	2429-74-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																●	
C.I. Direct Blue 21, C.I.23710	C.I.染料用ブルー21. C.I.23710	6420-09-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 22, C.I.24280	C.I.染料用ブルー22. C.I.24280	2586-57-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 25, C.I.23790	C.I.染料用ブルー25. C.I.23790	2150-54-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 35, C.I.24145	C.I.染料用ブルー35. C.I.24145	6473-33-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 151, C.I.24175	C.I.染料用ブルー151. C.I.24175	110735-25-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 160	C.I.染料用ブルー160	12222-02-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 173	C.I.染料用ブルー173	12235-72-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 192	C.I.染料用ブルー192	71838-51-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 215, C.I.24415	C.I.染料用ブルー215. C.I.24415	6771-80-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Blue 295, C.I.23820	C.I.染料用ブルー295. C.I.23820	6420-22-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 1, C.I.30045	C.I.染料用ブラウン1. C.I.30045	3811-71-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
C.I. Direct Brown 1:2, C.I.30110	C.I.ダークブラウン1:2.C.I.30110	2586-58-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 2, C.I.22311	C.I.ダークブラウン2.C.I.22311	2429-82-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Brown 6, C.I.30140	C.I.ダークブラウン6.C.I.30140	2893-80-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Brown 25, C.I.36030	C.I.ダークブラウン25.C.I.36030	33363-87-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 27, C.I.31725	C.I.ダークブラウン27.C.I.31725	6360-29-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 31, C.I.35660	C.I.ダークブラウン31.C.I.35660	2429-81-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Brown 33, C.I.35520	C.I.ダークブラウン33.C.I.35520	1324-87-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 51, C.I.31710	C.I.ダークブラウン51.C.I.31710	4623-91-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 59, C.I.22345	C.I.ダークブラウン59.C.I.22345	3476-90-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Brown 74, C.I.36300	C.I.ダークブラウン74.C.I.36300	8014-91-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Brown 79, C.I.30050	C.I.ダークブラウン79.C.I.30050	6483-77-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 95, C.I.30145	C.I.ダークブラウン95.C.I.30145	16071-86-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Brown 101, C.I.31740	C.I.ダークブラウン101.C.I.31740	3626-29-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 154, C.I.30120	C.I.ダークブラウン154.C.I.30120	6360-54-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Brown 222, C.I.30368	C.I.ダークブラウン222.C.I.30368	64743-15-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Brown 223	C.I.ダークブラウン 223	76930-14-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Green 1, C.I.30280	C.I.ダークグリーン1.C.I.30280	3626-28-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Green 6, C.I.30295	C.I.ダークグリーン6.C.I.30295	4335-09-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Green 8, C.I.30315	C.I.ダークグリーン8.C.I.30315	5422-17-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Green 8:1	C.I.ダークグリーン8:1	76012-70-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Green 85, C.I.30387	C.I.ダークグリーン85.C.I.30387	72390-60-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Orange 1, C.I.22370	C.I.ダークオレンジ1.C.I.22370	54579-28-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Orange 6	ダークオレンジ6	6637-88-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Orange 7, C.I.23380	C.I.ダークオレンジ7.C.I.23380	2868-76-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Orange 8, C.I.22130	C.I.ダークオレンジ8.C.I.22130	2429-79-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
C.I. Direct Orange 10, C.I.23370	C.I.ダイレクトオレンジ10. C.I.23370	6405-94-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Orange 108, C.I.29173	C.I.ダイレクトオレンジ108. C.I.29173	6358-79-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 1, C.I.22310	C.I.ダイレクトレッド1. C.I.22310	2429-84-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Red 2, C.I.23500	C.I.ダイレクトレッド2. C.I.23500	992-59-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 7, C.I.24100	C.I.ダイレクトレッド7. C.I.24100	2868-75-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 10, C.I.22145	C.I.ダイレクトレッド10. C.I.22145	2429-70-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 13, C.I.22155	C.I.ダイレクトレッド13. C.I.22155	1937-35-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 17, C.I.22150	C.I.ダイレクトレッド17. C.I.22150	2769-07-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 21, C.I.23560	C.I.ダイレクトレッド21. C.I.23560	6406-01-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 22, C.I.23565	C.I.ダイレクトレッド22. C.I.23565	6448-80-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 24, C.I.29185	C.I.ダイレクトレッド24. C.I.29185	6420-44-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 26, C.I.29190	C.I.ダイレクトレッド26. C.I.29190	3687-80-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 28, C.I.22120	C.I.ダイレクトレッド28. C.I.22120	573-58-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P	●	●											●				
C.I. Direct Red 37, C.I.22240	C.I.ダイレクトレッド37. C.I.22240	3530-19-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Red 39, C.I.23630	C.I.ダイレクトレッド39. C.I.23630	6358-29-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 44, C.I.22500	C.I.ダイレクトレッド44. C.I.22500	2302-97-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 46, C.I.23050	C.I.ダイレクトレッド46. C.I.23050	6548-29-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 62, C.I.29175	C.I.ダイレクトレッド62. C.I.29175	6420-43-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 67, C.I.23505	C.I.ダイレクトレッド67. C.I.23505	6598-56-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Red 72, C.I.29200	C.I.ダイレクトレッド72. C.I.29200	8005-64-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Violet 1, C.I.22570	C.I.ダイレクトバイオレット1. C.I.22570	2586-60-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Violet 4, C.I.22555	C.I.ダイレクトバイオレット4. C.I.22555	6472-95-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Violet 12, C.I.22550	C.I.ダイレクトバイオレット12. C.I.22550	2429-75-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Violet 13, C.I.2480	C.I.ダイレクトバイオレット13. C.I.2480	13478-92-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Violet 21, C.I.23520	C.I.ダイレクトバイオレット21. C.I.23520	6470-45-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
C.I. Direct Violet 22, C.I.22480	C.I.染料紫22 C.I.22480	6426-67-1	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P																	
C.I. Direct Yellow 1, C.I.22250	C.I.染料黄1 C.I.22250	6472-91-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Yellow 24, C.I.22010	C.I.染料黄24 C.I.22010	6486-29-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Direct Yellow 48, C.I.23660	C.I.染料黄48 C.I.23660	6459-97-8	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Orange 60	C.I.分散染料60	12270-44-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Orange 149	C.I.分散染料149	151126-94-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Red 151, C.I.26130	C.I.分散染料151 C.I.26130	61968-47-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Red 221	C.I.分散染料221	64426-35-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Yellow 7, C.I.26090	C.I.分散染料7 C.I.26090	6300-37-4	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Yellow 23, C.I.26070	C.I.分散染料23 C.I.26070	6250-23-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Yellow 56	C.I.分散染料56	54077-16-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Disperse Yellow 218	C.I.分散染料218	83929-90-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Mordant Yellow 16	C.I.媒染染料16	8003-87-0	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 1, C.I.12150	C.I.染料紅1 C.I.12150	1229-55-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 19, C.I.26050	C.I.染料紅19 C.I.26050	6368-72-5	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 23, C.I.26100	C.I.染料紅23 C.I.26100	85-86-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 24, C.I.26105	C.I.染料紅24 C.I.26105	85-83-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 26, C.I.26120	C.I.染料紅26 C.I.26120	4477-79-6	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 68	C.I.染料紅68	61813-90-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 69, C.I.27290	C.I.染料紅69 C.I.27290	5413-75-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 164	ベンゾチアゾール染料 164	71819-51-7	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Red 215	C.I.染料紅215	85203-90-3	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
C.I. Solvent Yellow 72	C.I.染料黄72	4645-07-2	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	D/P																	
Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-)		118685-33-9	Prohibited	Used for textile and leather products in continuous and prolonged contact with the skin.	Relative to the weight of component parts and materials 1000	P			●														
Barium compounds (organic or water soluble), selected	バリウム化合物 (有機または水溶性)、抜粋		Observation			D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Barium	バリウム	7440-39-3	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium 2-(2-hydroxy-3,6-disulphonato-1-naphthyl)azo benzoate (3:2)	ビスマス(2-ヒドロキシ-3,6-ジスルホンアゾナフチル)アゾ安息香酸(3:2)	15782-06-6	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium 4- (5-chloro-4-methyl-2-sulphonatophenyl)azo -3-hydroxy-2-naphthoate	ビスマス(5-クロロ-4-メチル-2-スルホンアゾフェニル)アゾ-3-ヒドロキシ-2-ナフチルアゾ安息香酸	7585-41-3	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium 4-(1,1-dimethylethyl)benzoate	バリウム(1,1-ジメチルエチル)安息香酸	10196-68-6	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium bis 5-chloro-4-ethyl-2- (2-hydroxy-1-naphthyl)azo benzenesulp...	バリウムビス(5-クロロ-4-エチル-2-(2-ヒドロキシ-1-ナフチル)アゾ)安息香酸	67801-01-8	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium bis(2-ethylhexanoate)	バリウムビス(2-エチルヘキサノ酸)	2457-01-4	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium bis(dinonylnaphthalenesulphonate)	バリウムビス(ジノニルナフタレンスルホン酸)	25619-56-1	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium bis(nonylphenolate)	バリウムビス(ノニルフェノール)塩(Ba,Cd,C)	28987-17-9	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium distearate	ステアリン酸バリウム	6865-35-6	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium oxide, obtained by calcining witherite	酸化バリウム	1304-28-5	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium(2+) hydrogen 2- (2-hydroxy-3,6-disulphonato-1-naphthyl)azo benzoate	2-((2-ヒドロキシ-3,6-ジスルホンアゾナフチル)アゾ)安息香酸, 2バリウム	1325-16-2	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-chlorate	塩素酸バリウム	13477-00-4	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-chloride	塩化バリウム	10361-37-2	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-cyanide	シアニドバリウム	542-62-1	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-dilaurate	ラウリン酸バリウム	4696-57-5	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-dioleate	ジオレイン酸バリウム	591-65-1	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-fluoride	フッ化バリウム	7787-32-8	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-hydroxide	水酸化バリウム無水物	17194-00-2	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-hydroxide-octahydrate	水酸化バリウム八水和物	12230-71-6	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-neodecanoate	ネオデカン酸バリウム	55172-98-0	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-nitrate	硝酸バリウム	10022-31-8	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-perchlorate	過塩素酸バリウム	13465-95-7	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D	●																
Barium-permanganate	過マンガン酸バリウム	7787-36-2	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-peroxide	過酸化バリウム	1304-29-6	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Barium-sebacate	セバチン酸バリウム	19856-32-7	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Naphthenic acid, Barium salts	ナフテン酸バリウム塩	61789-67-1	Observation	Color pigments, stabilizers for PVC Lubricant additives	Relative to the weight of component parts and materials 10000	D																	
Benzene	ベンゼン					P																	
Benzene		71-43-2	Observation	Fuel	Concentration in fuel 10000	D		●							●				●		●		
Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-2,4,6-trinitro- (Musk xylene)	2,4,6-トリニトロ-5-tert-ブチル-1,3-キシレン(ムスクキシレン)	81-15-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●		●				●									

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Benzene-1,2,4-tricarboxylic acid 1,2-anhydride		552-30-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●															
1,4-Benzenediamine, N,N'-mixed phenyl and tolyl derivs	1,4-ヘンゼンジアミン	68953-84-4	Prohibited	All applications and products	Intentionally added	D/P							●										
N, N'-di-4-tolyl-1,4-phenylenediamine	N,N'-ジ-4-トリル-1,4-フェニレンジアミン	620-91-7	Prohibited	All applications and products	Intentionally added	-							●										
N, N'-di-2-tolyl-1,4-phenylenediamine	N,N'-ジ-2-トリル-1,4-フェニレンジアミン	15017-02-4	Prohibited	All applications and products	Intentionally added	-							●										
N, N'-ditolyl-1,4-phenylenediamine	N,N'-ジトリル-1,4-フェニレンジアミン	27417-40-9	Prohibited	All applications and products	Intentionally added	-							●										
N, N'-bis (dimethylphenyl) -1,4-phenylenediamine	N,N'-ビス(ジメチルフェニル)-1,4-フェニレンジアミン	28726-30-9	Prohibited	All applications and products	Intentionally added	-							●										
N- (dimethylphenyl) -N'-tolyl-1,4-phenylenediamine	N-(ジメチルフェニル)-N'-トリル-1,4-フェニレンジアミン	70290-05-0	Prohibited	All applications and products	Intentionally added	-							●										
1,4-Benzenediamine, N,N'-mixed Ph and tolyl and xylyl derivs.		68953-83-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
1,4-Benzenediamine, N,N'-mixed tolyl and xylyl derivs.		68478-45-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		68515-50-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●									●					
1,4 Benzenediol (Hydroquinone)	1,4-ヘンゼンジオール(ヒドロキノン)	123-31-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 1,2-ethanediybis(oxy-2,1-ethanediyl) ester		36443-68-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzenesulfonic acid, C10-16-alkyl derivs.		68584-22-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzenesulfonic acid, C10-16-alkyl derivs, compds. with 2-propanamine		68584-24-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzenesulfonic acid,C10-13-alkyl derivs., sodium salts		68411-30-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzenesulfonic acid,dodecyl(sulfophenoxy)-, sodium salt (1:2)		28519-02-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzenesulfonic acid, oxybis[dodecyl-, disodium salt		25167-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzenesulfonic acid, [[4-[[4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]- (Pigment Blue 61)		1324-76-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Benzidine and its salts, all members	ベンジジンおよびその塩、全て		Prohibited			P																	
Benzidine	ベンジジン	92-87-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 100	P	●	●								●		●	●	●			
Benzidine acetate	ベンジジン アセテート	36341-27-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P																	
Benzidine salt	硫酸ベンジジン	531-86-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P																	
Benzidine sulphate	(1,1'-ヒンフェリン)-4,4'-ジアミン 硫酸塩	21136-70-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P																	
Benzidine, Ni(2+) salt	ベンジジン, Ni(2+)塩	67632-50-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P		●															
[1,1'-Biphenyl]-4,4'-diamine, dihydrochloride	二塩酸ベンジジン	531-85-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 100	P																	
[1,1'-Biphenyl]-4,4'-diamine, 2,2'-dichloro-, sulfate (1:1)	(1,1'-ヒンフェリン)-4,4'-ジアミン, 2,2'-ジクロロ-, 硫酸塩 (1:1)	70146-07-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P																	
3,3'-Dichlorobenzidine dihydrochloride	3,3'-ジクロロ-4,4'-ジアミンヒンフェリン二塩酸塩	612-83-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P															●		



5. List of NSK Environmentally Harmful Substances (details)

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3,3'-Dimethoxybenzidine	o-3,3'-ジメトキシベンジジン	119-90-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P	●												●		●	
3,3'-Dimethylbenzidine	3,3'-ジメチルベンジジン(別名o-トリジン)	119-93-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P	●												●		●	
Salts from 3,3'-Dimethoxybenzidine	3,3'-ジメトキシベンジジン塩	-	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P									●						●	
Dipotassium O,O'-(4,4'-diaminobiphenyl-3,3'-ylene)diglycolate	O,O'-(4,4'-ジアミノジフェニル-3,3'-イレン)ニグリス酸二カドミウム塩	74220-10-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P																
4-chloro-o-toluidine	4-クロロ-2-メチルアニリン	95-69-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●												●		●	
o-aminoazotoluene	2-アミノアニリン	97-56-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●	●										●		●	
5-nitro-o-toluidine	5-ニトロ-2-メチルアニリン	99-55-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●												●		●	
4-chloroaniline	p-4-クロロアニリン	106-47-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●												●		●	
4-methoxy-m-phenylenediamine	2,4-ジアミノメチルアニリン	615-05-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●												●		●	
4,4'-methylenedi-o-toluidine	4,4'-ジアミノ-3,3'-ジメチルジフェニルメタン	838-88-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●											●		●	
6-methoxy-m-toluidine		120-71-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●											●		●	
4,4'-methylene-bis(2-chloroaniline)		101-14-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●		●									●		●	
4,4'-thiodianiline	4,4'-ジアミノジフェニルメタン	139-65-1	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●												●		●	
o-toluidine	o-トリジン	95-53-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●											●		●	
4-methyl-m-phenylenediamine		95-80-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●											●		●	
2,4,5-trimethylaniline	2,4,5-トリメチルアニリン	137-17-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●												●		●	
o-anisidine	o-アニジジン	90-04-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●											●		●	
4-amino azobenzene		60-09-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-	●	●											●		●	
Benzododecinium chloride;	ベンゾドデシニウム塩化物	139-07-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,4-bis(1,1-dimethylethyl)phenyl ester		4221-80-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Benzophenone	ベンゾフェノン	119-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●		●	
Benzothiazole-2-thiol; 2-Mercaptobenzothiazole;	2-メルカプトベンゾチアゾール	149-30-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
2-(2H-Benzotriazol-2-yl)-6-(1-methyl-1-phenylethyl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-928)		73936-91-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2-Benzothiazolesulphenamide, N, N-dicyclohexyl-	N,N-ジシクロヘキシル-2-ベンゾチアゾールスルフェンアミド	4979-32-2	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 100	D								●								
2(3H)-Benzothiazolethione,sodium salt (1:1)		2492-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	2-(2H-ベンゾトリアゾール-2-イル)-4,6-ジtert-ペンチルフェノール(UV-328)	25973-55-1	Prohibited	All applications and products except automotive parts and heavy duty corrosion protection coatings (for automobiles, railroads and large steel structures)	Intentionally added	D/P	●	●		●								●				
2-(2H-benzotriazol-2-yl)-p-cresol (UV-P)		2440-22-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																

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2-Benzyl-2-dimethylamino-4-morpholinobutrophenone		119313-12-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●			
Beryllium and its compounds, all members	ベリリウムおよびその化合物、全て		Observation			D																
Beryl ore	ベリリウム鉱石	1302-52-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllate(2-), tetrafluoro-, diammonium	テトラフルオロベリリウム酸アンモニウム	14874-86-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●														
Beryllium	ベリリウム	7440-41-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●			
Beryllium aluminum alloy	ベリリウム-アルミニウム合金	12770-50-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium boride (Be2B)	ベリリウム-ボロイド (Be2B)	12536-51-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium boride (Be4B)	ベリリウム-ボロイド (Be4B)	12536-52-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium boride (BeB2)	ベリリウム-ボロイド (BeB2)	12228-40-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium boride (BeB6)	ベリリウム-ボロイド (BeB6)	12429-94-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium bromide (BeBr2)	ベリリウム-ブロミド (BeBr2)	7787-46-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium carbide (Be2C)	ベリリウム-炭化ベリリウム	506-66-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium carbonate	ベリリウム-炭酸ベリリウム	13106-47-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium carbonate	ベリリウム-炭酸ベリリウム	66104-24-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium chloride	ベリリウム-塩化ベリリウム	7787-47-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium di(acetate)	ベリリウム-酢酸ベリリウム	543-81-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium fluoride	ベリリウム-フッ化ベリリウム	12323-05-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium fluoride	ベリリウム-フッ化ベリリウム	7787-49-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium hydroxide	ベリリウム-水酸化ベリリウム	13327-32-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium iodide (BeI2)	ベリリウム-ヨウ化ベリリウム (BeI2)	7787-53-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium nitride (Be3N2)	ベリリウム-窒化ベリリウム	1304-54-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium oxide	ベリリウム-酸化ベリリウム	1304-56-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●												●			
Beryllium phosphate	ベリリウム-リン酸ベリリウム (BeHPO4)	13598-15-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium phosphide	ベリリウム-リン化ベリリウム	58127-61-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium phosphide (BeP2)	ベリリウム-リン化ベリリウム (BeP2)	57620-29-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium selenide (BeSe)	ベリリウム-セレン化ベリリウム (BeSe)	12232-25-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium sulfate	ベリリウム-硫酸ベリリウム (1:1)	13510-49-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium sulfate tetrahydrate	ベリリウム-硫酸ベリリウム四水塩	7787-56-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Beryllium sulfide (BeS)	硫化ベリリウム (BeS)	13598-22-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Beryllium telluride (BeTe)	碲化ベリリウム (BeTe)	12232-27-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Beryllium zinc silicate	ケイ酸ベリリウム亜鉛	25638-88-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Beryllium zinc silicate	ケイ酸ベリリウム亜鉛	39413-47-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Bis(pentane-2,4-dionato-O,O')beryllium	ビス(2,4-ペンタジオネート)ベリリウム	10210-64-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Diethylberyllium	ジエチルベリリウム	542-63-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Disodium tetrafluoroberyllate	四フッ化ベリリウム酸ナトリウム	13871-27-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Hexakis[μ-(acetato-O,O')]-μ <sub>4</sub> -4-oxotetraberyllium	ヘキサキス[μ-(酢酸-O,O')]-μ <sub>4</sub> -オキソテトラベリリウム	19049-40-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphoric acid, beryllium salt	リン酸ベリリウム(混合)	35089-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphoric acid, beryllium salt (2:3)	リン酸ベリリウム(II), (2:3)	13598-26-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Silicic acid (H4SiO4), beryllium salt (1:2)	ケイ酸ベリリウム	15191-85-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Silicic acid, beryllium salt	ケイ酸ベリリウム塩	58500-38-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Biocidal coatings / biocidal additives, selected	殺生物コーティング剤/殺生物添加剤、抜粋		Reduced/Observation			D/P																	
(+/-)-1-(β-allyloxy-2,4-dichlorophenylethyl)imidazole; Technical grade imazalil	イマザリル	73790-28-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
.alpha.,.alpha.,.alpha.-trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-trioethanol	1,1',1''-(1,3,5-トリメチル-1,3,5-トリアジン)トリス(2-ヒドロキシエタノール)	25254-50-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	1,2-ベンゾイソチアゾリン-3-オン	2634-33-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
1,3-bis(hydroxymethyl)urea	ジメチル尿素	140-95-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
1,3-didecyl-2-methyl-1H-imidazolium chloride	1,3-ジデシル-2-メチル-1H-イミダゾリウム塩化物	70862-65-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea; Diazolidinylurea	ジアゾリジン尿素	78491-02-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
1H-Pyrazole-4-carboxamide, N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-		494793-67-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	2,2',2''-(6-ヒドロキシ-1,3,5-トリアジン)トリス(2-ヒドロキシエタノール)	4719-04-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2,2-Dibromo-2-cyanoacetamide (DBNPA)		10222-01-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2,2'-dithiobis[N-methylbenzamide]	ビス(2-N-メチルベンザミド)ジチオベンザミド	2527-58-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2,4-dichlorobenzyl alcohol	2,4-ジクロロベンジルアルコール	1777-82-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2-bromo-1-(4-hydroxyphenyl)ethan-1-one	2-ブロモ-1-(4-ヒドロキシフェニル)エタン-1-オン	2491-38-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2-Bromo-2-(bromomethyl)pentanedinitrile	2-ブロモ-2-(2-ブロモメチル)ペンタニトリル	35691-65-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2-Chloroacetamide	クロロアセチルアミン	79-07-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2-methyl-4-thiazoline-3-ketone; 2-methyl-2H-isothiazol-3-one; MIT; Methylisothiazolinone	2-メチル-4-イソチアゾリオン-3-オン	2682-20-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2-n-butyl-benzo[d]isothiazol-3-one	2-ブチル-1,2-ベンゾ[d]イソチアゾール-3(2H)-オン	4299-07-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
2-Phenoxyethanol	2-フェニルエタノール	122-99-6	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
2-Phenylphenol; Biphenyl-2-ol; 2-Hydroxybiphenyl	2-フェニルフェノール	90-43-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	●
3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	5-クロロ-2-メチル-イソチアゾリオン-3(2H)-オン混合物	55965-84-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
3-Iodo-2-propynyl butylcarbamate; 3-Iodo-2-propynylbutylcarbamate (IPBC)		55406-53-6	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
4,5-Dichloro-2-octyl-2H-isothiazol-3-one; 4,5-Dichloro-2-octylisothiazol-3(2H)-one (DCOIT)		64359-81-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
4,5-dichloro-3H-1,2-dithiol-3-one	4,5-ジクロロ-3H-1,2-ジチオール-3-オン	1192-52-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
5-Chloro-2-(4-chlorophenoxy)-phenol (DCPP)	5-クロロ-2-(4-クロロフェノキシ)フェノール	3380-30-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
5-chloro-2-methyl-4-thiazoline-3-ketone	5-クロロ-2-メチル-4-イソチアゾリオン-3-オン	26172-55-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	P																	
Allyl isothiocyanate	アリルイソチオシアネート	57-06-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
Alpha-cypermethrin	アルファサイピメスリン	67375-30-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Aluminium phosphide; Aluminium phosphide releasing phosphine (under BPR)	燐化アルミニウム	20859-73-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Aluminium sodium silicate-silver complex; Silver zeolite	銀担持ゼオライト	130328-18-6	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Aluminium sodium silicate-silver copper complex; Silver Copper Zeolite	銅担持ゼオライト	130328-19-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Amines, n-C10-16-alkyltrimethylenedi-, reaction products with chloroacetic acid	直鎖C10~16アミントリメチレンジアミンノ加酢酸反応物	139734-65-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Ammonium bromide	臭化アンモニウム	12124-97-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P													●				
Benzalkonium chloride; Quaternary ammonium compounds, alkylbenzylidimethyl, chlorides	塩化ベンザルコニウム	8001-54-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Benzododecinium chloride	ヘンゾドデシニウムクロライド	139-07-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Benzothiazole-2-thiol; 2-Mercaptobenzothiazole	2-メルカプトベンゾチアゾール	149-30-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																●	
Benzoxonium chloride	塩化ベンゾキニウム	19379-90-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Benzylidimethyl(octadecyl)ammonium chloride	ヘンゾジメチルオクタデシルアモニウムクロライド	122-19-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Benzylidimethyloleylammonium chloride	ヘンゾジメチルオレイルアモニウムクロライド	37139-99-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Benzylododecylidimethylammonium bromide	ヘンゾドデシルジメチルアモニウム臭素	7281-04-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
(benzyloxy)methanol	ヘンゾキシメタノール	14548-60-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Bifenthrin	ビフェントリン	82657-04-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
Bis(2-sulfidopyridin-1-olato)copper; bis(1-hydroxy-1H-pyridine-2-thionato-O,S)copper	ビス(2-スルフィドピリジン-1-olato)銅	14915-37-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Bis(tributyltin) oxide; 1,1,1,3,3,3-Hexabutylidistannoxane; Tributyltin oxide (TBTO)	ビストリブチルチン酸	56-35-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	P	●	●					●							●			
Bis(trichloromethyl) sulphone	ビス(トリクロロメチル)スルホン	3064-70-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Boric acid	ホウ酸	11113-50-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P	●	●												●			
Boric acid crude natural)	ホウ酸	10043-35-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P	●	●												●			
Bromochloro-5,5-dimethylimidazolidine-2,4-dione	ブロムクロロ-5,5-ジメチルイミダゾリジン-2,4-ジオン	32718-18-6	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Bronopol; 2-bromo-2-nitropropane-1,3-diol	ブロンポール	52-51-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
C8-18alkylbis(2-hydroxyethyl)ammonium bis(2-ethylhexyl)phosphate	C8-18アルキルビス(2-ヒドロキシエチル)アモニウムビス(2-エチルヘキシル)リン酸	68132-19-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	

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Calcium dihexa-2,4-dienoate	リルン酸カルシウム	7492-55-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Captan; 1,2,3,6-tetrahydro-N-(trichloromethylthio)phthalimide	キャプタン	133-06-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																●
Carbendazim	カルベンダジム	10605-21-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																●
Cetalkonium chloride	セタリウム塩化物	122-18-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Cetylpyridinium chloride	セチルピリジニウム塩化物	123-03-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Chlorfenapyr; 4-Bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile	クロルフェナピル	122453-73-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	クロロクレゾール	59-50-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Chlorothalonil; Tetrachloroisophthalonitrile	クロロチアロニル	1897-45-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																●
Chlorotoluron; 3-(3-chloro-p-tolyl)-1,1-dimethylurea	クロロトルロン	15545-48-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Chromium (VI) trioxide; Trioxochromium	無水クロム(VI)酸	1333-82-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P		●		●												●
Cis-4-[3-(p-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine	シス-4-[3-(p-tert-ブチルフェニル)-2-メチルプロピル]-2,6-ジメチルモルホリン	67564-91-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Clothianidin; IFMB	クロチアニジン	210880-92-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Copolymer of 2-propenal and propane-1,2-diol	2-プロパルデヒドとプロパン-1,2-ジオールの共重合体	191546-07-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Copper (Cu)		7440-50-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Copper carbonate hydroxide; Basic Copper carbonate; Copper (II) carbonate--copper (II) hydroxide (1:1)	水酸化銅(II)	12069-69-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Copper dihydroxide; Copper (II) hydroxide; Copper hydroxide	水酸化銅(II)	20427-59-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Copper oxide; Copper (II) oxide	酸化銅(II)	1317-38-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Copper sulphate	硫酸銅(II)	7758-98-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Copper sulphate pentahydrate		7758-99-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulation s, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Creosote	クレオソート	8001-58-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D		●											●			
Cu-HDO; Bis(N-cyclohexyl- diazenium-dioxy)-copper); Bis[1-cyclohexyl-1,2-di(hydroxy-. kappa.O)diazeniumato(2-)]-copper	ビス(N-シクロヘキシル-2-アゾニウム-2-オキソ)-銅	312600-89-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Cybutryne; N'-tert-butyl-N-cyclopropyl-6-(methylthio)-1,3,5-triazine-2,4-diamine	シブトリン	28159-98-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Cyclohexylhydroxydiazene 1-oxide, potassium salt	シクロヘキシルヒドロキシジアゼン 1-オキシド 塩化カリウム	66603-10-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Cyfluthrin; beta-cyfluthrin; a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	シフルトリン	68359-37-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Cyproconazole; (2RS,3RS; 2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol	シプロコナゾール	94361-06-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P													●			
Dazomet; Tetrahydro-3,5-dimethyl-1,3,5-thiadiazine-2-thione	ダゾメット	533-74-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
DDACarbonate; LZ 34000; Reaction mass of N,N-didecyl-N,N-dimethyl-ammonium carbonate and N,N-didecyl-N,N-dimethyl-ammonium bicarbonate		894406-76-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Decyldimethyloctylammonium chloride	ドデシルジメチルオクチルアモニウム塩化物	32426-11-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Deltamethrin; (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate	デルタメトリン	52918-63-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Diarsenic pentaoxide; Arsenic pentoxide; Arsenic oxide	五酸化二砒素	1303-28-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P	●	●	●	●									●			
Diboron trioxide	三酸化二硼素	1303-86-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P	●	●											●			
Dichlofluanid; N-[(Dichlorofluoromethyl)thio]-N',N'-dimethyl-N-phenylsulfamide	ジクロロフアニド	1085-98-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Dichlorophene; dichlorophen	ジクロロフェン	97-23-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P															●	
Dicopper oxide	酸化銅(II)	1317-39-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Didecyldimethylammonium bromide	ジデシルジメチルアモニウム臭素	2390-68-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Didecyldimethylammonium chloride (DDAC)	ジデシルジメチルアモニウム塩化物	7173-51-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Didecylmethylpoly(oxyethyl)ammonium propionate; Poly(oxy-1,2-ethanediyl), .alpha.-[2-(didecylmethylammonio)ethyl]-.omega.-hydroxy-, propanoate (salt)	ジデシルメチルポリ(オキシエチル)アモニウムプロピオン酸塩	94667-33-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Dimethyldioctylammonium chloride	ジメチルオクチルアモニウム塩化物	5538-94-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dimethylfumarate	ジメチルマレイン酸 (DMF)	624-49-7	Reduced/Observation	All applications and products	Relative to the weight of component parts and materials 0.1	P	●	●														
Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride	ジメチルオクタデシル[3-(トリメトキシシリル)プロピル]アモニウムクロライド	27668-52-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Dimethyltetradecyl[3-(trimethoxysilyl)propyl]ammonium chloride	ジメチルテトラデシル[3-(トリメトキシシリル)プロピル]アモニウムクロライド	41591-87-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Diphenoxarsin-10-yloxid	ビス(10H-フェノキサリノ-10-イル)I-チル	58-36-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P		●														
Dipotassium disulphite	二亜硫酸二カリウム	16731-55-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Dipyrrithione	ジピリチオン	3696-28-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Disodium cyanodithiocarbamate	ジソジウムチオイミドチオ炭酸二ナトリウム塩	138-93-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P															●	
Disodium disulphite; Disodium disulfite	二亜硫酸二ナトリウム	7681-57-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate	八硼素二ナトリウム・四水和物	12280-03-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P												●				
Disodium tetraborate, anhydrous	四硼酸ナトリウム(無水物)	1330-43-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P	●	●										●				
Disodium tetraborate, decahydrate	四硼酸ナトリウム10水和物(砂)	1303-96-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P	●	●										●				
Disodium tetraborate, pentahydrate	四硼酸ナトリウム5水和物	12179-04-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P	●	●										●				
Diuron; 3-(3,4-dichlorophenyl)-1,1-dimethylurea (DCMU)	ジウロン	330-54-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D															●	
Dodecylguanidine monohydrochloride	ドデシルグアニジン塩酸塩	13590-97-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
DOWICIL* 150 PRESERVATIVE; DOWICIL* 200 PRESERVATIVE	ダウ社製防霉剤 DOWICIL150/200	51229-78-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Esfenvalerate; (S)-a-cyano-3-phenoxybenzyl-(S)-2-(4-chlorophenyl)-3-methylbutyrate	エスフェンバレート	66230-04-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
(ethylenedioxy)dimethanol/ 1,6-Dihydroxy-2,5-dioxihexane		3586-55-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Etofenprox; Ethofenprox; 3-Phenoxybenzyl-2-(4-ethoxyphenyl)-2-methylpropylether	エトフェンプロクス	80844-07-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Fenitrothion; O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate	フェニトロチオン	122-14-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Magnesium phosphide; Trimagnesium diphosphide	リン化マグネシウム	12057-74-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Margosa ext.	イボトシゲン(常緑樹)抽出物	84696-25-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Metam potassium; Potassium methylthiocarbamate	メタムカリウム	137-41-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		●
Metam-sodium; Metam; Sodium ethylthiocarbamate	メタムナトリウム	137-42-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		●
Methenamine 3-chloroallylochloride	3-(3'-クロロアリール)メチレンジアミン	4080-31-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Miristalstonium chloride	ミリスチルニウム塩化物	139-08-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	N-(3-アミノプロピル)-N-ドデシルプロパン-1,3-ジアミン	2372-82-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
N,N,N',N'-Tetramethylethylenediaminebis(2-chloroethyl)ether copolymer	テトラメチレンジアミンビス(2-クロロエチル)エーテル重合体	31075-24-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
N,N'-methylenebismorpholine (MBM)	ジメチレンビスモルホリン	5625-90-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P													●					
Nabam; Disodium ethylenebis(N,N'-dithiocarbamate)	ナバム	142-59-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		●
Naphthenic acids, copper salts	ナフテン酸/銅塩	1338-02-9	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
N-Didecyl-N-dipolyethoxyammonium borate; Didecylpolyoxethylammonium borate	N-ジデシル-N-ジ(2-エトキシエチル)アミンボロ酸	214710-34-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Octhillinone; 2-octyl-2H-isothiazol-3-one		26530-20-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																		
Oligo(2-(2-ethoxy)ethoxyethylguanidinium chloride)	オリゴ(2-(2-エトキシエチル)イソシアヌロギン塩化物)	374572-91-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Oxine-copper	オキシン銅	10380-28-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
P-[(diiodomethyl)sulphonyl]toluene	ジヨードメチルスルホニルトルエン	20018-09-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																		
Permethrin; m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	ペルメスリン	52645-53-1	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Poly(hexamethylendiamine guanidinium chloride)	ポリ(ヘキサメチレンジアミン)グアニジン塩化物	57028-96-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Poly(hexamethylenecyanoguanidine-hexamethylenediamine) Hydrochloride	ポリ(ヘキサメチレンシアンジヒドロキシル)ヘキサメチレンジアミン塩化物	27083-27-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		

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Poly(hexamethylenebiguanide)	ホリヘキサメチレンビグアニド	91403-50-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
Poly(hexamethylenebiguanide)hydrochloride	ホリヘキサメチレンビグアニドヒドロクロライド	32289-58-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Poly[iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediy], hydrochloride		1802181-67-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Polyvinylpyrrolidone iodine	ポリビニルピロリドンヨウ素化合物	25655-41-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Potassium (E, E)-hexa-2,4-dienoate	カリウム(E,E)-ヘキサ-2,4-ジエノート	24634-61-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Potassium 2-biphenylate	2-フェニールカリウム	13707-65-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Potassium dimethyldithiocarbamate	ジメチルジチオカルバミン酸カリウム	128-03-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	●
Potassium sulphite	亜硫酸カリウム	10117-38-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Prometryn	プロメトリン	7287-19-6	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Propiconazole; (-)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole		60207-90-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D													●				
Pyridine-2-thiol 1-oxide, sodium salt	2-メルカピトピリジン-N-オキシドナトリウム塩	3811-73-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
Pyrithione zinc; (T-4)-Bis[2-(thioxo-kappaS)-pyridin-1(2H)-olato-kappaO]zinc(II)	ジニツピリチオン	13463-41-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D													●				
Quaternary ammonium compounds (benzylalkyldimethyl (alkyl from C8-C22, saturated and unsaturated, tallow alkyl, coco alkyl, and soya alkyl) chlorides, bromides or hydroxides)/BKC		NA	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Quaternary ammonium compounds, [2-[[2-[[2-[[2-[[2-carboxyethyl)(2-hydroxyethyl)amino]ethyl]amino]-2-oxoethyl]coco alkyldimethyl, hydroxides, inner salts	[2-[[2-[[2-[[2-[[2-メルカピトピリジン(2-ヒドロキシエチル)アミノ]エチル]アミノ]-2-オキソエチル]ココアルキルジメチル]ヒドロキシド]内塩	100085-64-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Quaternary ammonium compounds, benzyl-C10-16-alkyldimethyl, chlorides	ベンジルメルカピト(C=10~16)ジメチルアミン塩	68989-00-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides	メルカピト(C=12~14)(ベンジル)ジメチルアミン塩	85409-22-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC	塩化ベンジルメルカピト(C12~16)ジメチルアミン化合物	68424-85-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	メルカピト(C=12~18)(ベンジル)ジメチルアミン塩	68391-01-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Quaternary ammonium compounds, benzyl-C8-16-alkyldimethyl, chlorides	ベンジル-8~16アルキルジメチルアンモニウム塩	68424-84-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, bromides	ベンジル-8~18アルキルジメチルアンモニウム臭素	91080-29-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	塩化ベンジル-8~18アルキルジメチルアンモニウム化合物	63449-41-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, benzylcoco alkyldimethyl, chlorides	ベンジルココアルキルジメチルアンモニウム塩	61789-71-7	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides	塩化ビス(水素化牛脂)ジメチルアンモニウム化合物	61789-80-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	アルキル(C=12~14)(1-エチルフェニル)ジメチルアンモニウム塩	85409-23-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, coco alkyltrimethyl, chlorides	ココアルキルトリメチルアンモニウム塩	61789-18-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																		
Quaternary ammonium compounds, di-C6-12-alkyldimethyl, chlorides	ジアルキル(C=6~12)ジメチルアンモニウム塩	68391-06-0	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	ジアルキル(C=8~10)ジメチルアンモニウム塩	68424-95-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, di-C8-18-alkyldimethyl, chlorides	ジアルキル(C=8~18)ジメチルアンモニウム塩	73398-64-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	塩化ジココアルキルジメチルアンモニウム化合物	61789-77-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Quaternary ammonium iodides	第四級アンモニウムヨウ化物	308074-50-2	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Bethoxazin/3-benzo[b]thien-2-yl-5,6-dihydro-1,4,2-oxathiazine 4-oxide	3-(1-ベンゾ[b]チエニ-2-イル)-4-ヒドロ-5,6-ジヒドロ-1,4,2-オキサチアジン	163269-30-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Reaction mass of titanium dioxide and silver chloride. Substance must be reported regarding EC number 944-224-5		EC 944-224-5	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Silver (Ag)	銀	7440-22-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Silver adsorbed on silicon dioxide (as a nanomaterial in the form of a stable aggregate with primary particles in the nanoscale)		1167997-68-3	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																		
Silver chloride	塩化銀	7783-90-6	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																		
Silver nitrate	硝酸銀(I)	7761-88-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																		
Silver phosphate glass	リン酸銀ガラス	308069-39-8	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Silver sodium hydrogen zirconium phosphate	リチウム-銀-ナトリウム-ジシロコウム	265647-11-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Silver sodium zirconium hydrogenphosphate	銀-ナトリウム-リン酸水素ジシロコウム	155925-27-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Silver zinc zeolite; Aluminium sodium silicate-silver zinc complex	銀・亜鉛担持型ゼオライト	130328-20-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																
Silver-zinc-aluminium-boronphosphate glass; Glass oxide, silver- and zinc-containing	銀・亜鉛・ケルマシウム担持リン酸硼素ガラス	398477-47-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Sodium 2,4,6-trichlorophenolate	2,4,6-トリクロロフェノールナトリウム塩	3784-03-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Sodium 2-biphenylate; 2-phenylphenol, sodium salt	2-フェニルフェノールナトリウム塩	132-27-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																●
Sodium bromide	臭化ナトリウム	7647-15-6	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Sodium dichromate anhydrous	二クロム酸ナトリウム	10588-01-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P		●		●									●			
Sodium dichromate dihydrate	二クロム酸ナトリウム二水和物	7789-12-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P		●		●												
Sodium dimethyldithiocarbamate	ナトリウムジメチルジチオカルバマート	128-04-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																●
Sodium hydrogen 2,2-methylenebis[4-chlorophenolate]	2,2'-メチレンビス[4-クロロフェノール]水素ナトリウム	10187-52-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Sodium hydrogensulphite; Sodium bisulphite	亜硫酸水素ナトリウム	7631-90-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Sodium hydroxymethylamino acetate	ヒドロキシメチルアミノ酢酸ナトリウム	70161-44-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P													●			
Sodium p-chloro-m-cresolate	ナトリウム4-クロロ-3-メチルフェネート	15733-22-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Sodium pentachlorophenolate; Pentachlorophenol, sodium salt	ペンタクロロフェノールナトリウム	131-52-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	P	●						●					●				
Sodium sulphite	亜硫酸ナトリウム	7757-83-7	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Symclosene; 1,3,5-Trichloro-1,3,5-triazinane-2,4,6-trione	シムクロセン	87-90-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
TCMTB; (benzothiazol-2-ylthio)methyl thiocyanate	2-[(チオベンゾチアゾール-2-イル)チオ]メチルチオシアン酸ナトリウム	21564-17-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
Tebuconazole; 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol		107534-96-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Terbutryn	テブトリン	886-50-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione	N,N',N'',N'''-テトラメチル-イミダゾ[4,5-d]イミダゾール-2,5(1H,3H)-ジオン	5395-50-6	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Tetrakis(hydroxymethyl)phosphonium sulphate(2:1)	テトラキス-ホルト-ジメチルホスホニウム硫酸	55566-30-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Thiabendazole; Thiabendazol; 2-(Thiazole-4-yl)benzimidazole		148-79-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Thiacloprid	チアクロピリド	111988-49-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Thiamethoxam	チアメトキサム	153719-23-4	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Thiram; Tetramethylthiuram disulphide	テトラメチルチウラムジスルファイト (別名チウラム又はチラム)	137-26-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Tolnaftate	トナフトート	2398-96-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Tolyfluanid; dichloro-N-[(dimethylamino)sulphonyl]fluoro-N-(p-tolyl)methanesulphenamide	トリアルフアニド	731-27-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Tosylchloramide sodium	トシルクロアミドナトリウム	127-65-1	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Triadimefon; 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone	トリアジメフォン	43121-43-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D																	
Tributyltetradecylphosphonium chloride	トリブチルテトラデシルホスホニウム塩化物	81741-28-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Tributyltin naphthenate; Stannane, tributyl-, mono(naphthenoxy) derivs.	トリブチルチンナフタレート	85409-17-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	P	●						●										
Triclosan; 2,4,4-Trichloro-2-hydroxy diphenyl ether; 5-Chloro-2-(2,4-dichlorophenoxy)phenol	トリクロサン[2,4,4'-トリクロロ-2'-ヒドロキシジフェニルエーテル] 5-クロロ-2-(2,4-ジクロロフェノキシ)フェノール	3380-34-5	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Troclosene sodium; Sodium dichloroisocyanurate dihydrate	トロクロセンナトリウムジクロロイソシアナレート二水和物	2893-78-9	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Troclosene sodium; Sodium dichloroisocyanurate dihydrate	トロクロセンナトリウムジクロロイソシアナレート二水和物	51580-86-0	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Zeta-cypermethrin	ゼータサイパーメスリン	52315-07-8	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Zinc oxide; C.I. 77947	酸化亜鉛	1314-13-2	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	
Zinc sulphide	硫化亜鉛	1314-98-3	Reduced/ Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ziram	ジラム	137-30-4	Reduced/Observation	To be reduced: application as a biocidal agent To be controlled: all applications and products except those used as a biocidal agent	Intentionally added	D/P																
bis(4-chlorophenyl) sulphone		80-07-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
Bis(2-ethylhexyl) tetrabromophthalate; Tetrabromophthalic acid bis(2-ethylhexyl)ester (BEH-TEBP)		26040-51-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
Bis(2-(2-methoxyethoxy)ethyl)ether		143-24-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●											●			
Bis(chloromethyl) ether (BCME)	ビス(クロロメチル)エーテル(BCME)	542-88-1	Prohibited	All applications and products	Intentionally added	P										●		●	●	●		
2,2-dichloroethanol		598-38-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
Dichloromethoxymethane		4885-02-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
2,2-bis(chloromethyl)trimethylene bis(bis(2-chloroethyl)phosphate) (V6)		38051-10-4	Observation	All applications and products	relative to the weight of component parts and materials 1000	D	●															
Bisphenol & derivatives, selected			Observation			D																
4,4'-isopropylidenediphenol		80-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●	●										●		●	
4,4'-(1-Methylpropylidene)bisphenol		77-40-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
4,4'-methylenediphenol		620-92-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
4,4'-sulphonyldiphenol		80-09-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●											●		●	
Bisphenol AF		1478-61-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Boric acid/Orthoboric acid	硼酸	10043-35-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●	●											●			
Boric acid/Orthoboric acid	硼酸	11113-50-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●	●											●			
Butadiene, 1,3 -	ブタジエン (1,3-ブタジエン)	106-99-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●		●	
Cadmium and its compounds, all members	カドミウムおよびその化合物、全て		Prohibited			D/P																
Antimony, compound with cadmium (2:3)	アンチモン、カドミウム (2:3)	12014-29-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Boric acid, cadmium salt	硼酸カドミウム塩	51222-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
C.I. Pigment Orange 20 (Cadmium sulfoselenide orange)	ヒメジロオレンジ20	12656-57-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	P			●		●	●											
C.I. Pigment Red 108 Cadmium sulfoselenide red	ヒメジロ赤	58339-34-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	P			●		●	●											
Cadmiate(2-), tetrakis(cyano-C)-, dipotassium, (T-4)-	テトラシアノカドミウム酸カリウム	14402-75-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium	ヒメジロ	7440-43-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P	●	●	●		●	●							●				
Cadmium acetate	酢酸ヒメジロ	543-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium acrylate	アクリル酸ヒメジロ	15743-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium arsenide (Cd3As2)	ヒメジロ化砒	12006-15-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium bis(2-ethylhexanoate)		2420-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium bromide	臭化ヒメジロ	7789-42-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium bromide, tetrahydrate	臭化ヒメジロ四水和物	13464-92-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium carbonate	炭酸ヒメジロ(1:1)	513-78-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●	●		●	●							●				
Cadmium chloride	塩化ヒメジロ無水物	10108-64-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●	●		●	●							●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium chloride phosphate (Cd5Cl(PO4)3)	トリリン酸塩化カドミウム	12185-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped	トリリン酸塩化カドミウム マンガンドープ塗料	100402-53-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium chloride, hydrate (2:5)	塩化カドミウム・5/2水和物	7790-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●	●		●	●											
Cadmium chromate	カドミウムクロム酸	14312-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium cyanide (Cd(CN)2)	シアン化カドミウム	542-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium diicosanoate	ジエイコサ酸カドミウム	14923-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium dinitrite	二亜硝酸カドミウム	7790-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium diricinoleate	リシノール酸カドミウム	13832-25-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium fluoborate	四フッ化ボロ酸カドミウム	14486-19-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium fluoride (CdF2)	フッ化カドミウム	7790-79-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●	●		●	●							●				
Cadmium hexafluorosilicate(2-)	ヘキサフルオロケイ酸カドミウム	17010-21-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium hydrogen phosphate	リン酸水素カドミウム	14067-62-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cadmium hydroxide (Cd(OH)2)	水酸化カドミウム	21041-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P	●	●	●		●	●							●			
Cadmium iodate	ヨウ化カドミウム	7790-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium iodide	ヨウ化カドミウム	7790-80-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium Lithophone Yellow	C.I.11"グ"マイト110-37:1(カドミウム亜鉛外赤)	90604-90-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium Mercury Sulfide	硫化カドミウム水銀	1345-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium mercury telluride ((Cd,Hg)Te)	テルル化カドミウム水銀	29870-72-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium molybdenum oxide (CdMoO4)	モリブデン酸カドミウム	13972-68-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium niobium oxide (Cd2Nb2O7)	ニオブ酸カドミウム	12187-14-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium nitrate (Nitric acid cadmium salt tetrahydrate (Cd·2NO3·4H2O))	硝酸カドミウム無水物	10022-68-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										
Cadmium nitrate (Nitric acid cadmium salt (2:1) (Cd·2NO3))	硝酸カドミウム無水物	10325-94-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●	●		●	●							●			
Cadmium oxide	酸化カドミウム	1306-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P	●	●	●		●	●							●			
Cadmium oxide (CdO), solid solution with calcium oxide and titanium oxide (TiO2), praseodymium-doped	酸化カドミウムと酸化カルシウム混合物の固溶体中の酸化カドミウム、プラセオジムドーピング塗料	101356-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium oxide (CdO), solid solution with magnesium oxide, tungsten oxide (WO3) and zinc oxide	酸化マグネシウム、酸化タングステン、酸化亜鉛混合物の固溶体中の酸化カドミウム、酸化亜鉛、酸化亜鉛塗料	102110-30-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium peroxide (Cd(O2))	過酸化カドミウム (Cd(O2))	12139-22-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium phosphide (Cd3P2)	燐化カドミウム	12014-28-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium propionate	ジプロピオン酸カドミウム	16986-83-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide (CdSe)	セレン化カドミウム	1306-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛塗料	101357-00-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム、銅とマンガントープ塗料	101357-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム、セレンとマンガントープ塗料	101357-02-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム、金とマンガントープ塗料	101357-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム、マンガンと銀トープ塗料	101357-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide sulfide (Cd(Se,S))	硫化セレン化カドミウム	12626-36-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	P			●		●	●											
Cadmium selenide sulfide (Cd2SeS)	硫化セレン化カドミウム	12214-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium selenide sulfide (CdSe0.53S0.47)	硫化セレンカドミウム (CdSe0.53S0.47)	71243-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide sulfide, (Cd2SeS)	硫化セレンカドミウム, (Cd2SeS)	12213-70-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium selenide sulphide	硫化セレンカドミウム	11112-63-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium stearate	ステアリン酸カドミウム	2223-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium succinate	カドミウムサクシネート	141-00-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium sulfate	硫酸カドミウム無水物	10124-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●	●		●	●							●				
Cadmium sulfate	硫酸カドミウム無水物	31119-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Cadmium sulfate, hydrate	硫酸カドミウム8/3水和物	7790-84-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●	●		●	●											
Cadmium sulfide	硫化カドミウム	1306-23-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P	●	●	●		●	●							●				
Cadmium sulphite	亜硫酸カドミウム	13477-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium tantalum oxide (CdTa2O6)	タングステン酸カドミウム六酸化物 (CdTa2O6)	12292-07-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium telluride (CdTe)	テルル化カドミウム	1306-25-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium titanium oxide (CdTiO3)	酸化チタンカドミウム	12014-14-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium tungsten oxide (CdWO4)	タングステン酸カドミウム	7790-85-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium vanadium oxide (CdV2O6)	酸化カドミウムバナジウム(CdV2O6)	16056-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium Zinc lithophone Yellow	C.I.110 グラムイト-35:1	90604-89-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium zinc sulfide	硫化亜鉛カドミウム	11129-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium zinc sulfide ((Cd,Zn)S)	硫化カドミウム亜鉛 ((Cd,Zn)S)	12442-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium Zink Sulfide Yellow	硫化亜鉛カドミウム	8048-07-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium zirconium oxide (CdZrO3)	ジルコニウム酸カドミウム	12139-23-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
cadmium(+2) cation diformate	二カドミウム酸カドミウム	4464-23-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmium-barium laurate	ラウリン酸カドミウムバリウム	15337-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Cadmiumbis(diethyldithiocarbamat)	ビス(ジエチルジチオカルバマート)カドミウム	14239-68-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Carbonic acid, cadmium salt	炭酸カドミウム	93820-02-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Diboron tricadmium hexaoxide	ホウ酸カドミウム	13701-66-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Dicadmium hexakis(cyano-C)ferrate(4-)	六キシアノ(シアン)フェレート(4-)ニカドミウム	13755-33-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Diphosphoric acid, barium cadmium salt	二リン酸バリウムカドミウム塩	37131-86-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Diphosphoric acid, cadmium salt	二リン酸カドミウム塩	19262-93-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Diphosphoric acid, cadmium salt (1:2)	二リン酸カドミウム塩(1:2)	15600-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Dipotassium tetrachlorocadmiate(2-)	テトラクロムカドミウム酸(2-)ニカドミウム	20648-91-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Nonanoic acid, branched, cadmium salt	分枝ノナン酸カドミウム塩	93686-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Phosphoric acid, ammonium cadmium salt (1:1:1)	リン酸カドミウムアンモニウム(1:1:1)	14520-70-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Phosphoric acid, cadmium salt	リン酸カドミウム(Cd(PO4)x)	13847-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Phosphoric acid, cadmium salt (2:3)	リン酸カドミウム(Cd3(PO4)2)	13477-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Selenic acid, cadmium salt (1:1)	セレン酸カドミウム	13814-62-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Selenious acid, cadmium salt (1:1)	亜セレン酸カドミウム(1:1)	13814-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Silicic acid (H2SiO3), cadmium salt (1:1)	矽酸カドミウム	13477-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												
Silicic acid, zirconium salt, cadmium pigment-encapsulated		102184-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												
Sulfamic acid, cadmium salt (2:1)	スルファミン酸カドミウム塩 (2:1)	14017-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												
Telluric acid (H2TeO3), cadmium salt (1:1)	碲酸カドミウム (1:1)	15851-44-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												
Telluric acid (H2TeO4), cadmium salt (1:1)	碲酸カドミウム	15852-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												
Tetradecanoic acid, cadmium salt	ミリスチン酸カドミウム	10196-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												
Bis(dibutylthiocarbamate-S,S')cadmium	ビス(ジブチルチオカルバメート-S,S')カドミウム	14566-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-		●		●	●												
Bis(ethylenediamine)cadmium(2+) bis[dicyanoaurate(1-)]	ビス(エチレンジアミン)カドミウム(2+)ビス[ジシアウレート(1-)]	18974-20-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-		●		●	●												
Cadmium diphenolate	ジフェノール酸カドミウム	18991-05-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-		●		●	●												
Cadmium bis(dipentylthiocarbamate)	カドミウムビス(ジペンチルチオカルバメート)酸塩	19010-65-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-		●		●	●												
Cadmium disalicylate	ジサリシリン酸カドミウム	19010-79-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-		●		●	●												
Bis(pentane-2,4-dionato-O,O')cadmium	ビス(ペンタン-2,4-ジオネート-O,O')カドミウム	14689-45-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-		●		●	●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Tris(ethylenediamine)cadmium dihydroxide	トリス(エチレンジアミン)カドミウムジヒドロキド	14874-24-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bis(piperidine-1-carbodithioate)	カドミウムビス(ピペリジン-1-カルボジチオアト)	14949-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Bis(dimethyldithiocarbamate-S,S')cadmium	ビス(ジメチルジチオカルバマート-S,S')カドミウム	14949-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Dimethylcadmium	ジメチルカドミウム	506-82-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Barium cadmium tetrastearate	ヘキサステアリン酸カドミウムリウム	1191-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium didecanoate	ジデカン酸カドミウム	2847-16-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bis[benzoate]	カドミウムビス[安息香酸塩]	3026-22-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium di(octanoate)	オクタ酸カドミウム	2191-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium p-toluate	p-トルエン酸カドミウム	2420-97-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dilaurate	カドミウムジラウレート	2605-44-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
(S)-dichloro[2-[[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]cadmium	S)-ジクロロ[2-[[[(2,3-ジヒドロキシプロポキシ)ヒドロキシホスフィニル]オキシ]トリエチルメチルアンモニウムアト]カドミウム	64681-08-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Bis(propane-1,2-diyldiamine-N,N')cadmium(2+) bis[bis(cyano-C)aurate(1-)]	ビス(プロパン-1,2-ジイルジアミン-N,N')カドミウム(2+)ビス[ビス(シアノ-C)オウレート(1-)]	67906-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium dilinoleate	ジリノール酸カドミウム	67939-62-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Tetrapotassium [[[[nitri]tris(methylene)]tris(phosphonato)](6-)-N,O,O",O"]cadmate(6-)	テトラポタシウム[[[[ニトリ]トリス(メチレン)]トリス(ホスホネート)](6-)-N,O,O",O"]カドミウム	67989-93-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium m-toluate	m-トルエン酸カドミウム	68092-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C10-18, cadmium salts	脂肪酸、C10-18、カドミウム塩	68131-58-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C12-18, cadmium salts	脂肪酸、C12-18、カドミウム塩	68131-59-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Benzyltriphenylphosphonium tetrachlorocadmiate	ベンジルトリフェニルホスホニウムテトラクロロカドミウム	68214-25-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Propanoic acid, cadmium salt, basic	プロパン酸、カドミウム塩、塩基性物質	90529-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Leach residues, cadmium cake	浸出残留物、カドミウムケーキ	91053-44-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Leach residues, zinc ore-calcine, cadmium-copper ppt.	浸出残渣、亜鉛鉱石、カドミウム-銅 ppt.	91053-46-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, castor-oil, hydrogenated, cadmium salts	脂肪酸、ヒマシ油、水添、カドミウム塩	91697-35-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C8-10-branched, cadmium salts	脂肪酸、C8-10分岐、カドミウム塩	92257-06-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Leach residues, zinc refining flue dust, cadmium-thallium ppt.	浸出残渣、亜鉛精錬排ガス、カドミウム-タリウム ppt.	92257-11-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Fatty acids, C9-13-neo-, cadmium salts	脂肪酸、C9-13-枝、カドミウム塩	92704-12-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, olive-oil, cadmium salts	脂肪酸、オリーブオイル、カドミウム塩	92704-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, peanut-oil, cadmium salts	脂肪酸、ピーナツオイル、カドミウム塩	92704-19-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, rape-oil, cadmium salts	脂肪酸、菜種油、カドミウム塩	92704-24-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts	脂肪酸、C14-18枝、C18-unsatd.、分岐および直鎖、水素添加、カドミウム塩	92797-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium isooctyl phthalate (1:2:2)	フタル酸カドミウムイソオクチル(1:2:2)	94247-16-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium (1-ethylhexyl) phthalate (1:2:2)	フタル酸カドミウム(1-エチルヘキシル)(1:2:2)	94275-93-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium octyl phthalate (1:2:2)	フタル酸カドミウムオクチル(1:2:2)	94275-94-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Leach residues, cadmium-contg. flue dust	浸出残留物、カドミウム含有煙道ダスト	94551-70-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium isohexadecanoate	イソヘキサデカノ酸カドミウム	95892-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium diisobutyl dimaleate	ジイソブチルマレイン酸カドミウム	97259-82-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Bis(2-ethylhexyl mercaptoacetato - O,S)cadmium	ビス(2-エチルヘキシルメルカプトアセト-O,S)カドミウム	93858-50-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium bis(o-nonylphenolate)	カドミウムビス(オノンフェノール)	93894-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bis(p-nonylphenolate)	カドミウムビス(ピノンフェノール)	93894-08-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate]	カドミウムビス[ピ-(1,1,3,3-テトラメチルブチル)フェノール]	93894-09-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium (Z)-hexadec-9-enoate	カドミウム(Z)-ヘキサデカ-9-エノート	93894-10-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium isodecanoate	イソデカノートカドミウム	93965-24-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bis(isoundecanoate)	カドミウムビス(イソウンデカノート)	93965-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dimethylhexanoate	ジメチルヘキサノートカドミウム	93983-65-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium tetrapentyl bis(phosphate)	カドミウムテトラペンチルビス(リン酸)	94232-49-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Flue dust, lead-manufg., cadmium-rich	排煙塵、鉛工場の、カドミウム含有量	85117-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Waste solids, cadmium-electrolysis, thallium-rich	廃棄物、カドミウム電解、タリウム含有	85117-20-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C9-11-branched, cadmium salts	脂肪酸、C9-11分岐、カドミウム塩	85586-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Bis(5-oxo-L-prolinato-N1,O2)cadmium	ビス(5-オキソ-L-プロリナト-N1,O2)カドミウム	85958-86-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Bis(5-oxo-DL-prolinato-N1,O2)cadmium	ビス(5-オキソ-DL-プロリナト-N1,O2)カドミウム	85994-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts	ベンゼンスルホン酸、モノ-C10-13-アルキル誘導体、カドミウム塩	90194-35-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Benzoic acid, cadmium salt, basic	安息香酸、カドミウム塩、塩基性	90218-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Decanoic acid, branched, cadmium salts	デカン酸、分岐、カドミウム塩	90342-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Hexanoic acid, 2-ethyl-, cadmium salt, basic	ヘキサノ酸、2-エチル、カドミウム塩、塩基性	90411-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Zircon, cadmium orange	ジルコニウム、カドミウムオレンジ	99749-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Flue dust, copper-lead blast furnace, cadmium-indium-enriched	排煙塵、銅鉛高炉、カドミウム・インジウム富化体	100656-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Dodecanoic acid, cadmium salt, basic	ドデカン酸、カドミウム塩、塩基性	101012-89-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Octadecanoic acid, cadmium salt, basic	オクタデカン酸、カドミウム塩、塩基性	101012-93-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Octadecanoic acid, 12-hydroxy-, cadmium salt, basic	オクタデカン酸、12-ヒドロキシ、カドミウム塩、塩基性	101012-94-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium (II) chloride monohydrate	塩化カドミウム	35658-65-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium perchlorate hexahydrate	過塩素酸カドミウム六水和物	10326-28-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium chloride hydrate	塩化カドミウム水和物	654054-66-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Disodium tetrakis(cyano-C)cadmiate(2-)	テトラキシアノ(C)カドミウム(2-)ジナトリウム	15682-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-)	ジポタシウム[[N,N'-エチレンビス[N-(カルボキシル)グリシナト]](4-)-N,N',O,O',ON,ON']カドミウム(2-)	15708-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dilactate	カドミウムジラクテート	16039-55-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
5-oxo-L-proline, cadmium salt	5-オキソ-L-プロリン、カドミウム塩	16105-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium toluate	トルエン酸カドミウム	27476-27-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
[[N,N'-ethylenebis[glycinato]](2-)-N,N',O,O']cadmium	N,N'-エチレンジアミンビス(グリシナト)(2-)-N,N',O,O']カドミウム	29977-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium isooctanoate	イソオクタノ酸カドミウム	30304-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dodecylbenzenesulphonate	ドデシルベンゼンサルフェートカドミウム	31017-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium (1,1-dimethylethyl)benzoate	カドミウム(1,1-ジメチルエチル)安息香酸塩	31215-94-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium o-toluate	オルトトルエン酸カドミウム	52337-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bis(4-cyclohexylbutyrate)	カドミウムビス(4-シクロヘキシル酪酸塩)	55700-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Cadmium [R-(R*,R*)]-tartrate	カルシウム[R-(R*,R*)]-酒石酸塩	34100-40-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Cadmium didocosanoate	ジドコサノアトカルシウム	34303-23-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Disodium [[N,N'-ethylenebis(N-(carboxymethyl)glycinato)](4-)-N,N',O,O',ON,ON']cadmate(2-)		35803-35-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Cadmium 3,5,5-trimethylhexanoate	3,5,5-トリメチルヘキサノ酸カルシウム	36211-44-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Cadmium(2+) (R)-12-hydroxyoctadecanoate	カルシウム(2+) (R)-12-ヒドロキソクタデカノアト	38517-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O']cadmate(1-)	カリウム[N,N-ビス(カルボキシル)グリシナト(3-)-N,O,O',O']カルシウム(1-)	49784-42-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Bis[N,N-bis(carboxymethyl)glycinato(3-)]tricalcium	ビス[N,N-ビス(カルボキシル)グリシナト(3-)]トリカルシウム	50648-02-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Cadmium methacrylate	メタクリル酸カルシウム	24345-60-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Cadmium epoxyoctadecanoate	エポキシオクタデカノ酸カルシウム	26264-48-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Cadmium divalerate	二価カルシウム	56982-42-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Naphthenic acids, cadmium salts	ナフテン酸、カルシウム塩	61789-34-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												
Cadmium neodecanoate	ネオデカノ酸カルシウム	61951-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium bis(heptadecanoate)	カドミウムジヘプタデカノエート	62149-56-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Pentapotassium hydrogen [[ethylenebis[nitriobis(methylene)]]tetraakis[phosphonato]](8-)cadmate(6-)	水素ヘンタポタシウムジヘプタデカノエートヘキサメタリン(8-)カドミウム(6-)	68309-98-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	硫化カドミウム(CdS)、硫化亜鉛、銅、鉛ドーパの固体	68332-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C14-18, cadmium salts	脂肪酸、C14-18、カドミウム塩	68409-82-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium, benzoate p-tert-butylbenzoate complexes	カドミウム、安息香酸p-tert-ブチル安息香酸錯体	68478-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Pyrochlore, bismuth cadmium ruthenium	ルチウム、ビスマス、カドミウム、ルチウム	68479-13-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped	硫化カドミウム(CdS)、硫化亜鉛、アルミニウム、コバルト、銅、銀ドーパの固体	68784-10-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped	バリウム、カドミウム、カルシウム、塩化物、フッ化物、リン酸塩、アンチモン、マンガンドーパ	68784-55-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, tall-oil, cadmium salts	脂肪酸、トール油、カドミウム塩	68855-80-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C8-18 and C18-unsatd., cadmium salts	脂肪酸、C8-18、C18-不飽和、カドミウム塩	68876-84-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), aluminum and copper-doped	硫化カドミウム(CdS)、アルミニウム、銅ドーパ	68876-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), aluminum and silver-doped	硫化カドミウム(CdS)、アルミニウム、銀ドーパ	68876-99-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium sulfide (CdS), copper chloride-doped	硫化カドミウム(CdS)、塩化銅ドープ	68877-00-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium sulfide (CdS), silver chloride-doped	硫化カドミウム(CdS)、塩化銀ドープ	68877-01-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium sulfide (CdS), copper and lead-doped	硫化カドミウム(CdS)、銅、鉛ドープ	68891-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Fatty acids, tallow, hydrogenated, cadmium salts	脂肪酸、獣脂、水添、カドミウム塩	68953-39-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Resin acids and Rosin acids, cadmium salts	樹脂酸、ロジン酸、カドミウム塩	68956-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Hydrogen [4-[[5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-)	水素[4-[[5-クロロ-4-メチル-2-スルホフェニル)アゾ]-3-ヒドロキシナフthalen-2-カルボキシラト(3-)]カドミート(1-)の場合	68966-97-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium, dross	カドミウム、ドロ	69011-69-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Wastewater, cadmium sulfate electrolytic, acid	廃水、硫酸カドミウム電解、酸	69012-21-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Flue dust, cadmium-refining	排煙塵、カドミウム精錬	69012-57-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium isononanoate	イソナノ酸カドミウム	84696-56-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium iso-octadecanoate	イソオクタデカン酸カドミウム	84878-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium tert-decanoate	テールデカン酸カドミウム	84878-37-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium bis(nonylphenolate)	カドミウムビス(ノニルフェノール)	84878-48-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bis(octylphenolate)	カドミウムビス(オクチルフェノール)	84878-51-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Calcines, cadmium residue	カドミウム、カドミウム残留物	69029-63-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Leach residues, cadmium-refining	浸出残渣、カドミウム精錬	69029-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Residues, cadmium-refining	残留物、カドミウム精錬	69029-77-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Slimes and Sludges, cadmium-refining, oxidized	スライム、カドミウム精錬、酸化物	69029-90-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Slimes and Sludges, cadmium sump tank	スライム、カドミウム溜り	69029-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium(2+) 12-hydroxyoctadecanoate	カドミウム(2+) 12-ヒドロキソオクタデカノート	69121-20-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1)	カドミウムカリウム1-(ヒドロキシエチリデン)ビスリン酸(1:2:1)	69190-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Fatty acids, C12-18, barium cadmium salts	脂肪酸、C12-18、バリウムカドミウム塩	70084-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
(R)-12-hydroxyoleic acid, barium cadmium salt	(R)-12-ヒドロキソオレイン酸、バリウムカドミウム塩	71411-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Tetra-μ-chlorodichlorobis[2-[[[2,3-dihydroxypropoxy]hydroxyphosphinyloxy]triethylmethylammoniumato]tricadmium, stereoisomer	テトラ-μ-クロロジクロロビス[2-[[[2,3-ジヒドロキシプロポキシ]ヒドロキシホスフィニルオキシ]トリエチルメチルアンモニウム]トリカドミウム、立体異性体	71861-27-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Fatty acids, coco, cadmium salts	脂肪酸、カカオ、カドミウム塩	72869-63-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Zircon, cadmium yellow	ジルコニウム、カドミウム黄色顔料	72968-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium pentadecanoate	ペンタデカノ酸カドミウム	63400-09-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium di(acetate), dihydrate	酢酸カドミウム二水和物	5743-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium triiodide, potassium	ヨウ素化カドミウム三塩化カリウム	14429-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
cadmium zinc telluride	テルル化カドミウム亜鉛	303114-50-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium oxalate	シュウ酸カドミウム	814-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dithiocyanate	チオシアネートカドミウム	865-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dipalmitate	パルミチン酸カドミウム	6427-86-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dianthranilate	アントランニル酸カドミウム	7058-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium dioleate	オレイン酸カドミウム	10468-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium 4-(1,1-dimethylethyl)benzoate	4-(1,1-ジメチルエチル)安息香酸カドミウム	4167-05-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium cinnamate	シナモンのカドミウム	4390-97-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sebacate	セバケートのカドミウム	4476-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium nonan-1-oate	カドミウム・ノナン-1-オート	5112-16-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Pentanoic acid, 2-propyl-, cadmium salt		87835-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
2-Butenedioic acid (Z)-, mono-octadecyl ester, cadmium salt		71599-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
22-Tricosenoic acid, cadmium salt		76835-97-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Tetracosanoic acid, cadmium salt		116854-17-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Tricosanoic acid, cadmium salt		116920-59-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Selenic acid, cadmium salt (1:1), dihydrate		10060-09-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Monoammonium cadmium triiodide		32593-99-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfate caesium hexahydrate		34345-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Potassium sulfate cadmium dihydrate		38386-25-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium chloride magnesium dodecahydrate		77289-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Barium tetrachlorocadmate(2-)		99587-10-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium, (29H,31H-phthalocyaninato(2-)-kappaN29,kappaN30,kappaN31,kappaN32)-, (SP-4-1)-		21328-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium acetate hydrate		89759-80-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cadmate		49784-44-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Barium di-μ-chlorotetrachlorocadmate(2-)		61129-40-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper chloride-doped		68512-49-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and manganese-doped		68512-50-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and copper-doped		68512-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and silver-doped		68583-43-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, nickel and silver-doped		68583-44-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped		68583-45-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and silver-doped		68584-41-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and nickel-doped		68584-42-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Dihydrogen bis[hydroxysuccinato(2-)-O1,O2,O4]cadmate(2-)		71436-99-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Tetraiodide diammonium cadmium		105034-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium trichloride monopotassium		14429-85-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium potassium hexachloride		15276-40-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bromide rubidium		16593-57-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium chloride rubidium		18532-58-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sodium tetrachloride		21360-94-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cesium sulfate cadmium		28041-77-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium chloride potassium hydrate		28302-54-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Potassium sulfate cadmium hexahydrate		30623-04-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium trichloride 1 sodium		55425-74-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium sulfate sodium		28038-18-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Potassium sulfate cadmium		28038-25-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Benzenediazonium, 4-(phenylamino)-, sulfate (1:1), polymer with formaldehyde, cadmium chloride complexes		68441-39-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium borate oxide (Cd3(BO2)4O), manganese-doped		68784-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Barium cadmium zinc sulfide (Ba2(Cd,Zn)S3), manganese-doped		68876-90-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium laurate, palmitate, stearate		68954-18-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium sponge		69011-70-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Slimes and Sludges, cadmium electrolytic		69029-89-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium chloride (CdCl2), tetrahydrate		70206-08-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium, dichlorotetrakis(1H-imidazole- kappaN3)-		72275-93-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												
Cadmium chloride dihydrate		72589-96-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium zinc sulfide ((Cd,Zn)S), cobalt and copper-doped		72869-26-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium perchlorate hydrate		79490-00-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium bromate		14518-94-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Zircon, cadmium red		72828-62-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium, diethyl-		592-02-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium mesosulfate (CdH2SO5) (7CI)		13477-20-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfate, tetrahydrate		13477-21-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium hydroxide hydrate		29736-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Disodium ethylenediaminetetraacetate cadmium		30363-28-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Sulfuric acid, cadmium salt (1:1), heptahydrate		13477-22-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium perchlorate (6CI,7CI)		13760-37-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
D-Glucopyranose, 4-O-α-D- glucopyranosyl-		16984-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Octadecanoic acid, barium cadmium salt		17033-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
UNDECANSAEURE-CD-SALZ		17329-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Ammonium cadmium chloride (Ammonium cadmium trichloride)		18532-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium sulfate octahydrate		22465-18-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium, chloro(1,10-phenanthroline-2- carboxylato)-, polymers		25685-75-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Cadmium chlorate		22750-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Nitric acid, cadmium salt, hydrate		79990-52-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Nitric acid, cadmium salt, dodecahydrate		85688-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Cadmium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 100 [Analysis limit 75] Total of packaging materials and ELV4 substances 100	-			●		●	●											
Chlorinated hydrocarbons, selected	塩素化炭化水素類、抜粋		Prohibited			D/P																	
1,1,1-Trichloroethane (Ethane, 1,1,1-trichloro- )	1,1,1-トリクロロエタン	71-55-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	P	●															●	
1,1,1,2 Tetrachloroethane	1,1,1,2-テトラクロロエタン	630-20-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	D		●														●	
1,1,2 Trichloroethane	1,1,2-トリクロロエタン	79-00-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	D		●														●	
Dichloromethane	ジクロロメタン	75-09-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	D		●														●	
Trichloroethylene	トリクロロエチレン	79-01-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 1000	D/P		●		●			●						●			●	
Chlorinated or brominated Dibenzo-p- dioxins or Dibenzofurans, all members	塩素系または臭素系ジベンゾ-p-ダイオキシン類または ジベンゾフラン類、全て		Prohibited			P																	
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1,2,3,4,6,7,8-ヘプタクロロジベンゾフラン	67562-39-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1,2,3,4,6,7,8-ヘプタクロロジベンゾ-p-ダイオキシン	35822-46-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1,2,3,4,7,8,9-ヘプタクロロジベンゾフラン	55673-89-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,4,7,8-Hexachloro dibenzofuran	1,2,3,4,7,8-ヘキサクロロジベンゾフラン	70648-26-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,4,7,8-ヘキサクロロジベンゾ-p-ジキシン	39227-28-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,6,7,8-Hexachloro dibenzofuran	1,2,3,6,7,8-ヘキサクロロジベンゾフラン	57117-44-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1,2,3,6,7,8-ヘキサクロロジベンゾ-p-ジキシン	57653-85-7	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,7,8,9-Hexachloro dibenzofuran	1,2,3,7,8,9-ヘキサクロロジベンゾフラン	72918-21-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1,2,3,7,8,9-ヘキサクロロジベンゾ-p-ジキシン	19408-74-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,7,8-Pentachloro dibenzofuran	1,2,3,7,8-ペンタクロロジベンゾフラン	57117-41-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1,2,3,7,8-ペンタクロロジベンゾ-p-ジキシン	40321-76-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
2,3,4,6,7,8-Hexachloro dibenzofurans	2,3,4,6,7,8-ヘキサクロロジベンゾフラン	60851-34-5	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
2,3,4,7,8-Pentachloro dibenzofurans	2,3,4,7,8-ペンタクロロジベンゾフラン	57117-31-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
2,3,7,8-Tetrachloro dibenzofurans	2,3,7,8-テトラクロロジベンゾフラン	51207-31-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	2,3,7,8-テトラクロロジベンゾ-p-ジキシン	1746-01-6	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P															●	
2,7-Dichlorodibenzo-p-dioxin	2,7-ジクロロジベンゾ-p-ジキシン	33857-26-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
Hexachlorodibenzodioxin	ヘキサクロロジベンゾ-p-ジキシン	34465-46-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
Octachlorodibenzofuran	1,2,3,4,6,7,8,9-オクタクロロジベンゾフラン	39001-02-0	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
Octachlorodibenzo-p-dioxin	1,2,3,4,6,7,8,9-オクタクロロジベンゾ-p-ジキシン	3268-87-9	Prohibited	All applications and products	Relative to the weight of component parts and materials 0.01	P																
Chlorinated paraffins, short & medium chain length (SCCP, MCCP), all members: Note that the use of specific CAS numbers for these substances differs throughout the world. Example CAS numbers are provided below; however, other CAS numbers may be used that are not specific to chain length. Therefore, please consult your MSDS and supplier to determine product-specific chain length.			Prohibited/ Observation			D/P																
Short chain (SCCP), by definition: Chloroparaffins, unbranched, CxH(2x-y+2)Cl <sub>y</sub> , where x = 10-13 and y = 1-13			Prohibited			P																
Alkanes, C10-12, chloro	7ホド, C10-12, クロ	108171-26-2	Prohibited	All applications and products	Intentionally added	P	●					●									●	
Alkanes, C10-13, chloro	7ホド, C10-13, クロ	85535-84-8	Prohibited	All applications and products	Intentionally added	P	●	●				●					●		●			
Undecane, 1,1,1,3,5,7,9,11,11-nonachloro-		18993-26-5	Prohibited	All applications and products	Intentionally added	P						●										
Undecane, 1,1,1,3,6,7,10,11-octachloro-		601523-20-0	Prohibited	All applications and products	Intentionally added	P						●										
Undecane, 1,1,1,3,9,11,11,11-octachloro-		601523-25-5	Prohibited	All applications and products	Intentionally added	P						●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Undecane, 1,2,10,11,?,?,?,?-octachloro-		221174-07-8	Prohibited	All applications and products	Intentionally added	P						●										
Undecane, decachloro-		276673-33-7	Prohibited	All applications and products	Intentionally added	P						●										
Undecane, heptachloro-		219697-10-6	Prohibited	All applications and products	Intentionally added	P						●										
Undecane, nonachloro-		219697-11-7	Prohibited	All applications and products	Intentionally added	P						●										
Undecane, octachloro-		36312-81-9	Prohibited	All applications and products	Intentionally added	P						●										
Alkanes, C12-13, chloro	7カハ, C12-13, 700	71011-12-6	Prohibited	All applications and products	Intentionally added	P	●					●										
Medium chain (MCCP), by definition: Chloroparaffins, unbranched, C <sub>x</sub> H <sub>(2x- y+2)</sub> Cl <sub>y</sub> , where x = 14-17 and y = 1-17			Observation			D																
Alkanes, C14-17, chloro	7カハ, C14-17, 700	85535-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
Substances with wider spread chain length ranges with possible inclusion of SCCPs or MCCPs			Prohibited			D/P																
Chlorinated n-paraffins (C6-18)	塩化パラフィン(炭素数6-18/化合物に限る)	68920-70-7	Prohibited	All applications and products	Intentionally added	D/P						●										
Alkane, C10-14-, Chloro-	7カハ, C10-14, 700	85681-73-8	Prohibited	All applications and products	Intentionally added	D/P						●										
Alkanes, C10-21, chloro	7カハ, C10-21, 700	84082-38-2	Prohibited	All applications and products	Intentionally added	D/P						●										
Alkanes, C10-26, chloro		97659-46-6	Prohibited	All applications and products	Intentionally added	D/P						●										
Alkanes, C10-32, chloro		84776-06-7	Prohibited	All applications and products	Intentionally added	D/P						●										
Paraffins (petroleum), normal C>10, chloro		97553-43-0	Prohibited	All applications and products	Intentionally added	D/P						●										
Alkane, C12-14-, Chloro-	7カハ, C12-14, 700	85536-22-7	Prohibited	All applications and products	Intentionally added	D/P						●										
Alkane, C16-27-, Chloro-	7カハ, C16-27, 700	84776-07-8	Observation	All applications and products	Relative to the weight of component parts and materials 10000	D																
Alkane, C16-35-, Chloro-	7カハ, C16-35, 700	85049-26-9	Observation	All applications and products	Relative to the weight of component parts and materials 10000	D																
Alkanes, chloro; chloroparaffins	塩素化塩化炭化水素類	61788-76-9	Prohibited	All applications and products	Intentionally added	D/P	●					●										
Paraffin oils, chloro		85422-92-0	Prohibited	All applications and products	Intentionally added	D/P						●										
Paraffin waxes, chloro	塩素化パラフィンワックス	63449-39-8	Prohibited	All applications and products	Intentionally added	D/P						●										
Tetradecane, chloro derivs.		198840-65-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Alkanes, C14-16, chloro		1372804-76-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
1,1,1,2-tetrachloroundecane		63981-28-2	Prohibited	All applications and products	Intentionally added	-						●										
Chlorinated microcrystalline hydrocarbon waxes (petroleum)		68938-43-2	Prohibited	All applications and products	Intentionally added	-						●										
Chloroalkane (C = 10 to 22)		104948-36-9	Prohibited	All applications and products	Intentionally added	-						●										
Chloroalkane (C = 12 to 16)		866758-65-8	Prohibited	All applications and products	Intentionally added	-						●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
5-Chlorobenzotriazole, 2-(2-Hydroxy-3-tert-butyl-5-methylphenyl)- (UV-326)		3896-11-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●															
Chromium(VI)-salts, all members	六価クロム塩、全て		Prohibited			D/P																	
Ammonium bichromate	重クロム酸アンモニウム	7789-09-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●	●	●	●								●				
Ammonium chromate	クロム酸アンモニウム	7788-98-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●												
Barium chromate	クロム(VI)酸バリウム	10294-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●												
Cadmium chromate	クロム酸カドミウム	14312-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●												
C.I. Pigment Orange 21	ピグメントオレンジ 21	1344-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●												
Calcium chromate	クロム酸カルシウム	13765-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●								●				
Chromic acid, calcium salt, (Calcium dichromate)		14307-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●												
Cesium chromate	クロム酸セシウム	13454-78-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●												
Chromate(1-), chlorotrioxo-, potassium, (T-4)-	塩化クロム酸カリウム	16037-50-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●												
Chromic acid	クロム酸(溶液)	7738-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												●
Chromic acid (H2Cr2O7)	重クロム酸	13530-68-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●		●	●												●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Chromic acid (H2Cr2O7), nickel(2+) salt (1:1)	重クロム酸 (H2Cr2O7), ニッケル(2+) 塩 (1:1)	15586-38-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●							●				
Chromic acid (H2CrO4), lanthanum(3+) salt (3:2)	クロム酸ランタン(III)	16565-94-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chromic acid (H2CrO4), magnesium salt (1:1)	クロム酸マグネシウム	13423-61-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chromic acid, ammonium salt	二クロム酸アンモニウム(混合)	14445-91-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Chromic acid, barium potassium salt	クロム酸バリウムカリウム塩	27133-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chromic acid, potassium zinc salt	クロム酸亜鉛カリウム	41189-36-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chromium (VI)	六価クロムイオン	18540-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chromium (VI) chloride	六価塩化クロム	14986-48-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chromium lead oxide	クロム酸鉛	11119-70-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Chromium hydroxide oxide silicate	ケイ酸水酸化クロム酸化物	68475-49-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chromium trioxide (CrO3)	無水クロム(VI)酸	1333-82-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●		●	●	●							●				
Chromyl chloride	塩化クロム	14977-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●							●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cobalt chromate (Chromic acid (H2CrO4), cobalt(2+) salt (1:1))	コバルトクロム酸(Ⅱ)	13455-25-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Copper chromate	銅クロム酸(CuCrO4)	13548-42-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Copper dichromate	重クロム酸銅	13675-47-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Dilead chromate dihydroxide	水酸化鉛クロム酸二鉛	12017-86-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Dithallium dichromate	二クロム酸ジタリウム	13453-35-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Lead chromate	鉛クロム酸	7758-97-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●	●	●	●	●	●							●				
Lead chromate oxide	塩基性鉛クロム酸	18454-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Lead chromate silicate	ケイ酸鉛クロム酸	11113-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Lead chromate silicate (Pb3(CrO4)(SiO4))	ケイ酸鉛クロム酸	69011-07-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Lead chromate sulfate (Pb9(CrO4)5(SO4)4)	硫酸鉛クロム酸 (Pb9(CrO4)5(SO4)4)	51899-02-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●											
Lead sulfochromate yellow(C.I. Pigment Yellow 34)	硫黄鉛クロム酸黄色 (CI Pigment Yellow 34)	1344-37-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●	●	●	●	●	●							●				
Lithium chromate	リチウムクロム酸	14307-35-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Magnesium dichromate	二加ム酸マゲネシウム	14104-85-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury dichromate	二加ム酸第二水銀	7789-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury (I) chromate	加ム酸水銀	13465-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury (II) chromate	加ム酸水銀(Ⅱ)	13444-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Molybdate orange (Lead chromate pigment)	加ム酸モリブデン亜硫酸鉛赤(CIトクメント104)	12656-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●	●	●	●	●	●							●				
Nickel chromate	加ム酸ニッケル	14721-18-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●							●				
Nitric acid, barium salt, reaction products with ammonia, chromic acid (H2CrO4) diammonium salt and copper(2+) dinitrate, calcined	アモニア、加ム酸(H2CrO4) ニアモニア塩、加焼二硝酸 により反応生成される硝酸銅(Ⅱ)の塩	99328-50-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Nitric acid, copper(2+) salt, reaction products with ammonia, chromic acid (H2CrO4) diammonium salt and manganese(2+) dinitrate, kilned	アモニア、加ム酸(H2CrO4) シンアモニア塩とマカニウム(Ⅱ) 二硝酸のアモニア反応生成による銅	100402-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Potassium chromate	加ム酸カリウム	7789-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●	●	●	●	●							●				●
Potassium dichromate	重加ム酸カリウム	7778-50-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●	●	●	●	●							●				●
Silver chromate	加ム酸銀	7784-01-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Sodium dichromate dihydrate	二加ム酸ナトリウム水和物	7789-12-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●	●	●	●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
dichromium tris(chromate)	トリクロム(Ⅲ)クロム酸	24613-89-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●	●	●	●								●			
Sodium chromate	クロム酸ナトリウム	7775-11-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●	●	●	●								●			●
Sodium dichromate	ジクロム酸ナトリウム	10588-01-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●	●	●	●								●			●
Strontium chromate	クロム(VI)酸ストロンチウム	7789-06-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●	●	●	●	●								●			
Thallium (I) chromate	クロム酸チウム(I)	13473-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P				●	●											
Zinc chromate	クロム酸亜鉛	1328-67-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P				●	●											
Zinc chromate	クロム酸亜鉛	13530-65-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●			●	●											●
Zinc chromate hydroxide	亜鉛クロム酸水酸化物	15930-94-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P				●	●											
Zinc dichromate	重クロム酸亜鉛	14018-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P				●	●											●
Zinc potassium chromate	クロム酸亜鉛カリウム(K <sub>2</sub> Zn <sub>2</sub> (CrO <sub>4</sub> ) <sub>2</sub> (OH))	11103-86-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●	●	●	●	●											●
Zinc yellow (Zinc chromate pigment)	亜鉛黄	37300-23-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P				●	●											
dihydroxy-dioxo-chromium	クロム酸(六価)	11115-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P				●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
potassium; dioxide-dioxo-chromium	加酸(六価)亜鉛化合物	12433-50-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Pentazinc chromate octahydroxide	加酸八水酸化五亜鉛	49663-84-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●	●	●	●	●	●											
Acids generated from chromium trioxide and their oligomers		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	-			●	●	●				●						●		
Oligomers of chromic acid and dichromic acid		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Hexavalent chromium concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	-			●	●	●				●						●		
C.I. Disperse Yellow 3		2832-40-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																●	
C.I. Pigment Violet 29 (Perylene-3,4,9,10-tetracarboxydiimide)		81-33-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Cobalt and its compounds, all members	コバルトおよびその化合物、全て		Observation			D/P																	
Sulfuric acid, cobalt(2+) salt (1:1)-	硫酸コバルト(II)	10124-43-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D		●											●		●		
Sodium [4-[[6-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-1-hydroxy-3-sulpho-2-naphthyl]azo]-3-hydroxy-7-nitronaphthalene-1-sulphonato(4-)]cobaltate(1-)	4-[[[6-[[4-アミノ-6-クロロ-1,3,5-トリアジン-2-イル]アミノ]-1-ヒドロキシ-3-スルホ-2-ナフチル]アゾ]-3-ヒドロキシ-7-ニトロナフthalene-1-スルホネート(4-)]コバルト(1-)コバルテート	100231-59-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
(Ethylenediamine-N)(1-imino-1H-isoindol-3-aminato-N2)[29H,31H-phthalocyaninato-N29,N30,N31,N32]cobalt	(1,10-フィロジン-N)(1-イミノ-1H-イソインドール-3-アミノ-N2)[29H,31H-フthalocyaninato-N29,N30,N31,N32]コバルト	83898-69-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
[.mu.-[Carbonato(2-)-O:O']]dihydroxydicobalt	炭酸水酸化コバルト(1:1)	12069-68-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
[5,10,15,20-Tetraphenyl-21H,23H-porphinato(2-)-N21,N22,N23,N24]cobalt	[5,10,15, 20-テトラフェニル-21H,23H-ポルフィリン酸-N21,N22,N23,N24]コバルト	14172-90-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
1,2,4-Benzenetricarboxylic acid, cobalt(2+) salt (1:1)	1,2,4-ベンゼントリカルボキシ酸, コバルト(2+) (1:1)	67801-57-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
1,4-Benzenedicarboxylic acid, cobalt salt	1,4-ベンゼンジカルボキシ酸, コバルト	34262-88-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
1,4-Benzenedicarboxylic acid, monomethyl ester, cobalt(2+) salt	1,4-ビス(p-メチルベンジレート)安息香酸コバルト(II)	51084-32-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
2(3H)-Benzothiazolethione, cobalt(2+) salt	2(3H)-ベンゾチアゾリオン硫黄, コバルト(II)	29904-98-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
2-Propenoic acid, 2-methyl-, cobalt(2+) salt	2-メチルアクリル酸コバルト(II)	67952-53-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
2-Propenoic acid, cobalt(2+) salt	アクリル酸コバルト	58197-53-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
9,12-Octadecadienoic acid (Z,Z)-, cobalt salt	(9Z,12Z)-9,12-オクタデセン酸コバルト(1:x)	14666-96-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
9-Octadecenoic acid (Z)-, cobalt salt	(Z)-9-オクタデセン酸コバルト(1:1)	14666-94-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Acetic acid, bromo-, cobalt(2+) salt	2-ブロム酢酸コバルト(II)	54846-43-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Acetic acid, cobalt(2+) salt, tetrahydrate	酢酸コバルト(II)四水和物	6147-53-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Acetic acid, cobalt(3+) salt	酢酸コバルト(III)	917-69-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Adipic acid, cobalt salt	ヘキサジカルボン酸コバルト	54437-56-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Aluminum boron cobalt lithium nickel oxide		207803-51-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Aluminum cobalt lithium nickel oxide		193214-24-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Aluminum cobalt oxide	アルミニウムコバルト酸化物	12672-27-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Aluminum cobalt oxide (Al2CoO4)	四酸化コバルト(II)二アルミニウム	1333-88-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Ammonium bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]-N-methylbenzenesulphonamide S,S-dioxidato(2-)]cobaltate(1-)	ビス[4-ヒドロキシ-3-[[5-ヒドロキシナフタ[2,1-d]-1,3-オキサチオール-4-イル]アゾ]-N-メチルベンゼンスルホンアミド-S,S-ジオキソダト(2-)]コバルト酸(1-)アンモニウム	83847-05-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Ammonium cobalt orthophosphate	アンモニウムコバルトリン化合物	36835-61-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Antimony, compound with cobalt (1:1)	アンチモンコバルト化合物(1:1)	12052-42-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Arsenic acid (H3AsO4), cobalt(2+) salt (2:3)	ヒ酸コバルト(II)	24719-19-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Arsenopyrite, cobaltoan		12414-94-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Benzoic acid, 4-amino-, cobalt(2+) salt (2:1)	4-アミノ安息香酸コバルト(II)塩(2:1)	68123-03-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Benzoic acid, methyl-, cobalt salt	トリスベンズ酸コバルト塩	42978-77-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis(1,3-diphenylpropane-1,3-dionato-O,O')cobalt	ビス(1,3-ジフェニルプロパン-1,3-ジオネート-O,O')コバルト	14405-50-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis(1-phenylbutane-1,3-dionato-O,O')cobalt	ビス(1-フェニルブタン-1,3-ジオネート-O,O')コバルト	14128-95-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis(6-methylheptane-2,4-dionato-O,O')cobalt	ビス(6-メチルヘプタン-2,4-ジオネート-O,O')コバルト	79215-59-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis(D-gluconato-O1,O2)cobalt	ビス(D-グルコン酸)コバルト	71957-08-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis(dibutylthiocarbamato-S,S')cobalt	ビス(ジブチルチオカルバミド-S,S')コバルト	14591-57-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis(diethylthiocarbamato-S,S')cobalt	ビス(ジエチルチオカルバミド-S,S')コバルト	15974-34-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis(N,N-dimethylpropane-1,3-diamine-N')[2,3,9,10,16,17,23,24-octahydro-29H,31H-tetrakis[1,4]dithiino[2,3-b:2',3'-g:2'',3''-l:2''',3'''-q]porphyrinato(2-)-N29,N30,N31,N32]cobalt	ビス(N,N-ジメチルプロパン-1,3-ジアミン-N')[2,3,9,10,16,17,23,24-オクタヒドロ-29H,31H-テトラキス[1,4]ジチオ[2,3-b:2',3'-g:2'',3''-l:2''',3'''-q]ポルフィラチン酸(2-)-N29,N30,N31,N32]コバルト	83863-98-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis(N,N-dimethylpropane-1,3-diamine-N')[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]cobalt	ビス(N,N-ジメチルプロパン-1,3-ジアミン-N')[29H,31H-フタルシアノ(2-)-N29,N30,N31,N32]コバルト	83863-97-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Bis[2-[(5-chloro-2-pyridyl)azo]-5-(diethylamino)phenolato]cobalt(1+) chloride	ビス[2-[(5-クロロ-2-ピリジル)アゾ]-5-(ジエチルアミノ)フェノール酸]コバルト(1+)塩素	81342-98-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Carbonic acid, cobalt salt	炭酸コバルト塩	7542-09-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cassiterite, cobalt manganese nickel grey	スズ石(コバルトマンガニウムカグレー)	99749-23-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Cerium, compound with cobalt (1:5)	セリウムコバルト化合物(1:5)	12214-13-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cerium, compound with cobalt (2:7)	セリウムコバルト化合物(2:7)	12515-29-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Chloro[2,2',2''-nitritotris[ethanolato]-N,O,O',O'']cobalt	クロロ[2,2',2''-ニトリトリス(エタノート)-N,O,O',O'']コバルト	36217-04-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Chloropentakis(methylamine)cobalt dichloride	クロロペンタキス(メチルアミン)コバルト二塩化物	15392-59-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Chromium cobalt copper iron manganese oxide	クロムコバルト銅鉄マンガン酸化物	102262-21-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Chromium cobalt iron manganese oxide	クロムコバルト鉄マンガン酸化物	102262-22-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Chromium cobalt manganese oxide	クロムコバルトマンガン酸化物	102262-19-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Chromium cobalt oxide	酸化クロムコバルト	37382-24-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Chromium cobalt oxide (Cr2CoO4)	酸化コバルトクロム	12016-69-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt (II) chloride, hexahydrate	塩化コバルト(II)六水和物	7791-13-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt arsenide (CoAs)	砒化コバルト	27016-73-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Cobalt arsenide (CoAs2)	砒化コバルト (CoAs2)	12044-42-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Cobalt arsenide (CoAs3)	砒化コバルト (CoAs3)	12256-04-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●													
Cobalt bis(2-ethylhexanoate)	2-エチルヘキサノ酸コバルト(C8H16O2 1/2Co)	136-52-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt bis(nonylphenolate)	コバルトビス(ノニルフェノール)	83970-30-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt bis[citrato(3-)]di-μ-oxodioximolybdate(2-)	ビス[クエン酸(3-)]ジ-μ-オキソジモリブデン酸(2-)コバルト	93776-58-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, borate 2-ethylhexanoate complexes		91782-60-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

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Cobalt, borate propionate complexes		91782-61-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt boride (Co2B)	ボロ化コバルト (Co2B)	12045-01-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt boride (Co3B)	ボロ化コバルト (Co3B)	12006-78-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt carbonate	炭酸コバルト	513-79-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D		●											●				
Cobalt carbonyl	コバルトカルボニル	10210-68-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt chloride (CoCl3)	塩化コバルト	10241-04-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt chromate (Chromic acid (H2CrO4), cobalt(2+) salt (1:1))	クロム酸コバルト (II)	13455-25-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D/P																	
Cobalt chromite blue green spinel		68187-50-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt chromium alloy	コバルトクロム合金	11114-92-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt dilactate	乳酸コバルト	16039-54-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt dilaurate	ラウリン酸コバルト (II)	14960-16-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt dilinoleate	リノール酸コバルト (II)	6401-84-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt dinicotinate	ニコチン酸コバルト (II)	28029-53-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt dioctanoate	オクタノール酸コバルト	1588-79-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt dioleate	オレイン酸コバルト (II)	19192-71-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt dipalmitate	パルミチン酸コバルト (II)	14582-18-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt disodium ethylenediaminetetraacetate	エチレンジアミン四酢酸コバルト二ナトリウム	15137-09-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt distearate	ステアリン酸コバルト (II)	1002-88-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt disulfide	二硫化コバルト	12013-10-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt fluoride (CoF3)	フッ化コバルト (III)	10026-18-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt glycinate	グリシン酸コバルト	17829-66-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt hexafluorosilicate(2-)	ヘキサフルオロケイ酸コバルト(2-)	12021-67-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt hydroxide	水酸化コバルト (II)	21041-93-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

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Cobalt hydroxide oxide (Co(OH)O)	水酸化コバルト酸化物	12016-80-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt iodide (CoI2)	ヨウ化コバルト(Ⅱ)	15238-00-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt iron oxide (CoFe2O4)	四酸化二鉄(Ⅲ)コバルト(Ⅱ)	12052-28-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt lithium manganese nickel oxide		182442-95-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt lithium manganese nickel oxide		346417-97-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●														
Cobalt magnesium red blue borate		68608-93-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D														●			
Cobalt metasilicate	メタケイ酸コバルト	25139-08-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt molybdenum nickel oxide (CoMo2NiO8)	酸化コバルトモリブデンニッケル(CoMo2NiO8)	68016-03-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●										●				
Cobalt naphthenate	ナフタン酸コバルト	61789-51-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt neodecanoate	ネオデカン酸コバルト(混合)	27253-31-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt nickel oxide (CoNiO2)	酸化コバルトニッケル(CoNiO2)	58591-45-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D			●										●				
Cobalt nitrate	硝酸コバルト(Ⅱ)六水和物	10026-22-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt octoate	2-エチルヘキシル酸コバルト(C8H16O2 xCo)	13586-82-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt oxide	酸化コバルト(Ⅱ)	1307-96-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D															●		
Cobalt oxide (Co2O3)	三酸化コバルト	1308-04-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt oxide (Co3O4)	四酸化三コバルト	1308-06-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt phosphide (Co2P)	リン化コバルト(Co2P)	12134-02-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt propionate	プロピオン酸コバルト	1560-69-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt selenide (CoSe)	セレン化コバルト	1307-99-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt silicate	ケイ酸コバルト	26686-74-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt silicide (CoSi2)	ニケイ化コバルト	12017-12-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt succinate	スルチン酸コバルト	3267-76-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt sulfate heptahydrate	硫酸コバルト(Ⅱ)七水和物	10026-24-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D															●		

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Cobalt sulfide (Co2S3)	硫化コバルト(Ⅲ)	1332-71-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt tellate	脂肪酸コバルト油コバルト(混合)	61789-52-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt telluride (CoTe)	テルル化コバルト	12017-13-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt tetra(2-ethylhexyl) bis(phosphate)	四(2-エチルヘキシル)ビスリン酸コバルト	24828-46-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt tin oxide (CoSnO3)	酸化コバルトスズ	1345-19-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt titanium oxide (Co2TiO4)	酸化チタンコバルト(Co2TiO4)	12017-38-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt titanium trioxide	チタン酸コバルト	12017-01-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt titanium tungsten oxide ((Co,Ti,W)O2)	酸化コバルトチタンタングステン	144437-67-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt zirconium oxide (CoZrO3)	酸化コバルトジルコニウム(CoZrO3)	69011-09-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(2+) dibromate	二臭化コバルト(Ⅱ)	14732-58-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	ビス[2-ヒドロキシプロパン-1,2,3-トリカルボキシル]コバルト(Ⅱ) ニッケル(Ⅱ)	94232-44-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D		●															
Cobalt(2+) ethanolate	コバルト(Ⅱ)酢酸塩	19330-29-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(2+) selenite	亜セレン酸コバルト	10026-23-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(2+) tert-decanoate	ターシャリーテリデカノ酸コバルト(Ⅱ)	84195-99-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(2+), bis(1,2-ethanediamine-N,N')-, bis[bis(cyano-C)aurate(1-)]	ビス[1,2-エチレンジアミン-N,N')]コバルト(2+)・ビス[ビス(シアノ-C)オウレート(1-)]	68958-90-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(2+), bis(1,2-propanediamine-N,N')-, bis[bis(cyano-C)aurate(1-)]	ビス[1,2-プロパレンジアミン-N,N')]コバルト(Ⅱ)・ビス[ビス(シアノ-C)オウレート(1-)]	67906-18-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(2+), pentaamminechloro-, dichloride, (OC-6-22)-	二塩化(ヘキサミンクロロ)コバルト(Ⅱ)	13859-51-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(3+), hexaammine-, (OC-6-11)-, phosphate (1:1)	六アンミンコバルト(Ⅲ)リン酸(Ⅲ)	55494-92-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(3+), hexaammine-, (OC-6-11)-, salt with trifluoroacetic acid(1:3)	六アンミンコバルト(Ⅲ)塩、三フッ化酢酸混合物(1:3)	59561-55-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(3+), hexaammine-, (OC-6-11)-, triacetate	六アンミンコバルト(Ⅲ)三酢酸(炭素数6-11)	14023-85-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(3+), hexaammine-, (OC-6-11)-, trinitrate	硝酸六アンミンコバルト(Ⅲ)	10534-86-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(3+), hexaammine-, trichloride, (OC-6-11)-	六アンミンコバルト(Ⅲ)三塩化物	10534-89-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobalt(3+), tris(1,2-ethanediamine-N,N')-, trichloride, (OC-6-11)-	トリ[1,2-エチレンジアミン-N,N')]コバルト(Ⅲ)三塩化物(炭素数6~11)	13408-73-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobalt(II) acetate	酢酸コバルト(II)	71-48-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D		●										●				
Cobalt(II) fluoroborate	フッボロ酸コバルト(II)	26490-63-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt(II) fluoride	フッ化コバルト(II)	10026-17-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt(II) sulfide	硫化コバルト(II)	1317-42-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, ((2,2'-(1,2-ethanediybis(nitrilomethylidene))bis(6-fluorophenolato))(2-)-N,N',O,O')	((2,2'-(1,2-エタンジイルビス(ニトリロメチリデン))ビス(6-フルオロフェノolato))(2-)-N,N',O,O')コバルト	62207-76-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, [(2-amino-2-oxoethoxy)acetato(2-)]-	[(2-アミノ-2-オキソエトキシ)酢酸(2-)]コバルト	68133-85-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-	コバルト(29H,31H)フタロシアニン	3317-67-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, [29H,31H-phthalocyanine-C,C-disulfonyl dichloridato(2-)-N29,N30,N31,N32]-	[29H,31H-フタロシアニン-C,C-ジスルホニルジクロリdato(2-)-N29,N30,N31,N32]コバルト	68189-40-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, [29H,31H-phthalocyanine-C-sulfonyl chloridato(2-)-N29,N30,N31,N32]-	[29H,31H-フタロシアニン-C-スルホニルクロリdato(2-)-N29,N30,N31,N32]コバルト	67875-38-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, [3-hydroxy-4-[[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]-o-benzenesulfonanisididato(2-)]-, S-(hydrogen sulfate), monosodium salt	[3-ヒドロキシ-4-[[1-(p-メルカプトフェニル)-3-メチル-5-オキソ-2-ピラゾリン-4-イル]アゾ]-o-ベンゼンスルホニルアジド(2-)]-, S-(水素水素)コバルトトリウム塩	18285-21-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, [4-hydroxy-3-[[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]-o-benzenesulfonophenetidato(2-)]-, S-(hydrogen sulfate), monosodium salt	[4-ヒドロキシ-3-[[1-(p-メルカプトフェニル)-3-メチル-5-オキソ-2-ピラゾリン-4-イル]アゾ]-o-ベンゼンスルホニルアジド(2-)]-, S-(水素水素)コバルトトリウム塩	19052-32-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, [N-(carboxymethyl)glycinato(2-)-N,O,ON]-	[N-(カルボキシル)グリシン(2-)-NOON]コバルト	13869-30-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis(acetato-O)(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer	ビス(アセト-O)(1,4-ジアザビシクロ[2.2.2]オクタ-N1)コバルトホモポリマー	68239-56-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis(D-glycero-D-ido-heptonato)-	ビス(D-グリセロ-D-イドヘプトナト)コバルト	68475-45-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis(dicyclohexylphosphindithioato-S,S')	ビス(ジシクロヘキシルホスフィンジチオato-S,S')コバルト	40621-10-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis[(2,3-butanedione dioximato)(1-)-N,N']-, (SP-4-1)-	ビス[(2,3-ブタジオンジオキマト)(1-)-N,N']コバルト	3252-99-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis[.alpha.-(1-oxo-1H-isoindol-3-yl)-1H-benzimidazole-2-acetonitrilato]-, (T-4)-	ビス[.alpha.-(1-オキソ-1H-イソインドール-3-イル)-1H-ベンズイミダゾール-2-アセトニトリルato]-, (T-4)-コバルト	60109-88-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis[2-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-	ビス[2-[[2-ヒドロキシ-5-[(メチルアミノ)スルホニル]フェニル]アゾ]-3-オキソ-N-フェニルブタンアミdato(2-)]コバルト	69178-42-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis[3-(1H-benzimidazol-2-ylamino)-1H-isoindol-1-onato]-, (T-4)-	ビス[3-(1H-ベンズイミダゾール-2-イルアミノ)-1H-イソインドール-1-オナト]-, (T-4)-コバルト	63287-28-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, bis[carbonato(2-)]hexahydroxypenta-	ビス(炭酸六水酸化六)コバルト	12602-23-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, C4-10-fatty acid naphthenate complexes	脂肪酸(炭素数4-10)、ナフテン酸混合物中のコバルト	84066-85-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes	分岐型カルボキシル酸(炭素数5-23)、脂肪酸(炭素数4-10)、ナフテン酸の混合物のコバルト	83711-42-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobalt, C5-23-branched carboxylate naphthenate complexes	分岐型ナフテン酸(炭素数5-23)、脂肪酸の混合物のコバルト塩	83711-43-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, C5-23-branched carboxylate naphthenate octanoate complexes	分岐型ナフテン酸(炭素数5-23)、脂肪酸、オクタノ酸の混合物のコバルト塩	83711-44-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with gadolinium (3:1)	コバルトガドリニウム化合物(3:1)	12017-50-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with gadolinium (5:1)	コバルトガドリニウム化合物(5:1)	12017-61-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with gadolinium (7:2)	コバルトガドリニウム化合物(7:2)	11139-24-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with lanthanum (3:1)	コバルトランタン化合物(3:1)	61419-68-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with lanthanum (5:1)	コバルトランタン化合物(5:1)	12297-66-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with lanthanum (7:2)	コバルトランタン化合物(7:2)	12268-07-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with neodymium (3:1)	コバルトネオジム化合物(3:1)	12187-43-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with neodymium (5:1)	コバルトネオジム化合物(5:1)	12017-65-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with neodymium (7:2)	コバルトネオジム化合物(7:2)	12516-51-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with praseodymium (5:1)	コバルトプラセオジム化合物(5:1)	12017-67-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with praseodymium (7:2)	コバルトプラセオジム化合物(7:2)	12516-52-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with samarium (17:2)	コバルトサマリウム化合物(17:2)	12052-78-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with samarium (2:1)	コバルトサマリウム化合物(2:1)	12017-43-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with samarium (3:1)	コバルトサマリウム化合物(3:1)	12187-46-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with samarium (5:1)	コバルトサマリウム化合物(5:1)	12017-68-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with samarium (7:2)	コバルトサマリウム化合物(7:2)	12305-84-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with yttrium (3:1)	コバルトイットリウム化合物(3:1)	12052-62-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with yttrium (5:1)	コバルトイットリウム化合物(5:1)	12017-71-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, compound with yttrium (7:2)	コバルトイットリウム化合物(7:2)	12052-70-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, dibromobis(triphenylphosphine)-, (T-4)-	ジブロムビス(トリフェニルホスフィン)コバルト(II)	14126-32-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, dibromobis[tris(3,5-dimethylphenyl)phosphine]-, (T-4)-	ジブロムビス[トリ(3,5-ジメチルフェニル)ホスフィン]コバルト(II)	69198-43-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

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Cobalt, dibromobis[tris(3-methylphenyl)phosphine]-, (T-4)-	ジブロムビス(トリメチルフェニルホスフィン)コバルト(II)	49651-10-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, dichloro(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer	ジクロロ(1,4-ジアザビシクロ[2.2.2]オクタネ-N1) コバルトホモポリマー	68239-58-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, elemental	コバルト	7440-48-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D													●	●		
Cobalt, tetrakis[(2,3-butanedione dioximato)(1-)-N,N']bis(pyridine)di-, (Co-Co)	テトラキス[(2,3-ブタンジオンジオキソマート)(1-)-N,N']ビス(ピリジン)ジコバルト	25971-15-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, tris(2,4-pentanedionato-O,O')-, (OC-6-11)-	トリス(2,4-ペンタンジオンオキソ)コバルト(III)	21679-46-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt, tris(3-bromo-2,4-pentanedionato-O,O')-, (OC-6-11)-	トリス(3-ブロモ-2,4-ペンタンジオンオキソ)コバルト(III)	15218-44-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt-acetate	コバルト酢酸塩	5931-89-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate (6-), [[[1,2-ethanediybis[nitriobis(methylene)]]tetrakis(phosphonato)](6-)-N,N',O,O',O''',O''''']-, pentaammonium hydrogen, (OC-6-21)-	[[[1,2-エタンジビス(ニトリオビス(メチレン))]テトラキス(ホスホネート)](6-)-N,N',O,O',O''',O''''']五アンモニウム水素	68025-39-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate (6-), [[[1,2-ethanediybis[nitriobis(methylene)]]tetrakis(phosphonato)](8-)-N,N',O,O',O''',O''''']-, pentapotassium hydrogen, (OC-6-21)-	[[[1,2-エタンジビス(ニトリオビス(メチレン))]テトラキス(ホスホネート)](8-)-N,N',O,O',O''',O''''']五カリウム水素	67924-23-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate (6-), [[[1,2-ethanediybis[nitriobis(methylene)]]tetrakis(phosphonato)](8-)-N,N',O,O',O''',O''''']-, pentasodium hydrogen, (OC-6-21)-	[[[1,2-エタンジビス(ニトリオビス(メチレン))]テトラキス(ホスホネート)](8-)-N,N',O,O',O''',O''''']五ナトリウム水素	67969-67-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate (CoO21-), lithium	二酸化コバルトリチウム	12190-79-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels)	D																
Cobaltate(1-), [1-[[[5-(ethylsulfonyl)-2-hydroxyphenyl]azo]-2-naphthalenolato(2-)]][methyl[8-[[[5-(ethylsulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-2-naphthalenyl]methylcarbamat(2-)]]-, sodium	1-[[[5-(エチルスルホニル)-2-ヒドロキシフェニルアゾ]-2-ナフthalenolato(2-)]][メチル[8-[[[5-(エチルスルホニル)-2-ヒドロキシフェニルアゾ]-7-ヒドロキシ-2-ナフthalenyl]メチルカルバマート(2-)]]コバルト酸(1-)ナトリウム	103241-62-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[[[2-hydroxyphenyl]azo]-2-naphthalenolato(2-)]]-, hydrogen, compound with 1-tridecanamine (1:1)	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニルアゾ)-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]1-[[[2-ヒドロキシフェニルアゾ]-2-ナフthalenolato(2-)]]コバルト酸(1-)水素	70815-19-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[[[2-hydroxy-4-nitrophenyl]azo]-2-naphthalenolato(2-)]]-, hydrogen	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニルアゾ)-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]1-[[[2-ヒドロキシ-4-ニトロフェニルアゾ]-2-ナフthalenolato(2-)]]コバルト酸(1-)水素	55668-56-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[[[2-hydroxy-4-nitrophenyl]azo]-2-naphthalenolato(2-)]]-, sodium	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニルアゾ)-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]1-[[[2-ヒドロキシ-4-ニトロフェニルアゾ]-2-ナフthalenolato(2-)]]コバルト酸(1-)ナトリウム	73507-67-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[[[2-hydroxy-5-nitrophenyl]azo]-2-naphthalenolato(2-)]]-, hydrogen	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニルアゾ)-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]1-[[[2-ヒドロキシ-5-ニトロフェニルアゾ]-2-ナフthalenolato(2-)]]コバルト酸(1-)水素	52277-73-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[[[2-hydroxy-5-nitrophenyl]azo]-2-naphthalenolato(2-)]]-, sodium	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニルアゾ)-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]1-[[[2-ヒドロキシ-5-ニトロフェニルアゾ]-2-ナフthalenolato(2-)]]コバルト酸(1-)ナトリウム	73507-66-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]	[2, 4-ジヒドロ-4-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オン(2-)]	73324-02-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]	[2, 4-ジヒドロ-4-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オン(2-)]	72845-76-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [2,4-dihydro-4-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]	[2, 4-ジヒドロ-4-[[2-ヒドロキシ-5-(メチルスルホニル)フェニル]アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オン(2-)]	70236-41-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32]-, hydrogen	フタロシアニン錯体の硫酸塩	30638-08-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32]-, sodium	29H,31H-フタロシアニン-C-硫酸塩ナトリウム	52729-67-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamido(2-)]	[3-[[4, 5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシベンゼンスルホンアミド(2-)]	72928-77-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamido(2-)]	[3-[[4, 5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシベンゼンスルホンアミド(2-)]	72928-76-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamido(2-)]	[3-[[1-(4-クロロフェニル)-4, 5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-N-メチルベンゼンスルホンアミド(2-)]	68413-61-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamido(2-)]	[3-[[1-(4-クロロフェニル)-4, 5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-N-メチルベンゼンスルホンアミド(2-)]	74499-63-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [3-[[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamido(2-)]	[3-[[4-[[5-クロロ-2-ヒドロキシフェニル]アゾ]-4, 5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼンスルホンアミド(2-)]	72403-33-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [3-[[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamido(2-)]	[3-[[4-[[5-クロロ-2-ヒドロキシフェニル]アゾ]-4, 5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼンスルホンアミド(2-)]	72391-10-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamido(2-)]	[4-ヒドロキシ-3-[[2-ヒドロキシ-1-ナフthalenyl]アゾ]ベンゼンスルホンアミド(2-)]	83864-24-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamido(2-)]	[4-ヒドロキシ-3-[[2-ヒドロキシ-1-ナフthalenyl]アゾ]ベンゼンスルホンアミド(2-)]	83817-76-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamido(2-)]	[4-ヒドロキシ-3-[[2-ヒドロキシ-1-ナフthalenyl]アゾ]ベンゼンスルホンアミド(2-)]	72403-32-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), [4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]	[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフthalenyl)アゾ]ベンゼンスルホンアミダト(2-)]	73297-17-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-(2-hydroxypropyl)-2-naphthalenesulfonamidato(2-)]	[6-アミノ-5-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]-N-(2-ヒドロキシプロピル)-2-ナフthalenesulfonアミダト(2-)]	73195-17-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [C-(chlorosulfonyl)-29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32]-, hydrogen	[C-(クロロスルホニル)-29H,31H-フthalocyanine-C-スルホナト(3-)-N29,N30,N31,N32]-, 水素	68213-72-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-, hydrogen, (T-4)-	[N,N-ビス(カルボキシル)グリシナト(3-)-N,O,O',O'']-, 水素	53108-50-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [N-[8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]	[N-[8-[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-7-ヒドロキシ-1-ナフthalenyl]アセチルアミダト(2-)]	68239-47-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [N-[8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]	[N-[8-[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-7-ヒドロキシ-1-ナフthalenyl]アセチルアミダト(2-)]	68966-96-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), [N-[8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]	[N-[8-[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-7-ヒドロキシ-1-ナフthalenyl]アセチルアミダト(2-)]	59487-93-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis(2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)), sodium	ビス(2,4-ジヒドロ-4-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-))-ナトリウム	67486-73-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium	ビス[1-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]-2-ナフthalenolato(2-)]-, ナトリウム	64611-71-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	ビス[1-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-2-ナフthalenolato(2-)]-, 水素	52277-69-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-, sodium	ビス[1-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-2-ナフthalenolato(2-)]-, ナトリウム	73297-09-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[1-[(2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, sodium	ビス[1-[(2-ヒドロキシフェニル)アゾ]-2-ナフthalenolato(2-)]-, ナトリウム	75752-30-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, hydrogen	ビス[1-[(5-クロロ-2-ヒドロキシフェニル)アゾ]-2-ナフthalenolato(2-)]-, 水素	31586-68-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]-, sodium	ビス[1-[(5-クロロ-2-ヒドロキシフェニル)アゾ]-2-ナフthalenolato(2-)]-, ナトリウム	18639-97-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[2-(3-chlorophenyl)-2,4-dihydro-4-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-5-methyl-3H-pyrazol-3-onato(2-)]-, hydrogen, compound with [1R-(1.alpha.,4a.beta.,10a.alpha.)]-1,2,3,4,4a,9,10,10a-octahydro-1,4a-dimethyl-7-(1-methylethyl)-1-ph	ビス[2-(3-クロロフェニル)-2,4-ジヒドロ-4-[[2-ヒドロキシ-5-(メチルスルホニル)フェニル]アゾ]-5-メチル-3H-ピラゾール-3-オンアト(2-)]-, 水素, 及び[1R-(1.α,4α.β,10α.α)]-1,2,3,4,4a,9,10,10a-オクタヒドロ-1,4a-ジメチル-7-(1-メチルエチル)-1-φの混合物	20506-24-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[2-(3-chlorophenyl)-2,4-dihydro-4-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-5-methyl-3H-pyrazol-3-onato(2-)]-, sodium	ビス[2-(3-クロロフェニル)-2,4-ジヒドロ-4-[[2-ヒドロキシ-5-(メチルスルホニル)フェニル]アゾ]-5-メチル-3H-ピラゾール-3-オンアト(2-)]-, ナトリウム	70236-44-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, hydrogen	ビス[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]-, 水素	52256-38-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, hydrogen, compound with cyclohexanamine (1:1)	ビス[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]-水素, 水素とシクロヘキサンアミン(1:1)の混合物	71566-27-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium	ビス[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]-ナトリウム	71839-88-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2,4-dinitro-6-[(2-(phenylamino)-1-naphthalenyl)azo]phenolato(2-)]-, sodium	ビス[2,4-ジニトロ-6-[[2-(フェニルアミノ)-1-ナフthalenyl]アゾ]フェノラト(2-)]-ナトリウム	125378-91-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[(2-amino-1-naphthalenyl)azo]-5-nitrophenolato(2-)]-, hydrogen	ビス[2-[[2-アミノ-1-ナフthalenyl]アゾ]-5-ニトロフェノラト(2-)]-水素	71566-34-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[(2-amino-1-naphthalenyl)azo]-5-nitrophenolato(2-)]-, sodium	ビス[2-[[2-アミノ-1-ナフthalenyl]アゾ]-5-ニトロフェノラト(2-)]-ナトリウム	68966-98-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[(2-hydroxy-4-nitrophenyl)azo]-1-naphthalenolato(2-)]-, hydrogen	ビス[2-[[2-ヒドロキシ-4-ニトロフェニル]アゾ]-1-ナフthalenolato(2-)]-水素	6421-64-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[(2-hydroxy-4-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ビス[2-[[2-ヒドロキシ-4-ニトロフェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-ナトリウム	81361-02-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, hydrogen	ビス[2-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-水素	13011-62-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, hydrogen, compound with 1-butanamine (1:1)	ビス[2-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-水素, 1-ブタンアミンの混合物(1:1)	72797-14-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ビス[2-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-ナトリウム	71566-26-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[[2-hydroxy-5-[(phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, ammonium	ビス[2-[[2-ヒドロキシ-5-[[フェニルアミノ]スルホニル]フェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-アンモニウム	125408-78-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[[2-hydroxy-5-[(phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ビス[2-[[2-ヒドロキシ-5-[[フェニルアミノ]スルホニル]フェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-ナトリウム	71562-83-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[[4-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ビス[2-[[4-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-ナトリウム	66104-83-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, hydrogen	ビス[2-[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-水素	72928-91-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, sodium	ビス[2-[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]-ナトリウム	72496-88-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-chlorophenyl)-3-oxobutan amidato(2-)]-, sodium	ビス[2-[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-N-(2-クロロフェニル)-3-オキソブタンアミダト(2-)]-ナトリウム	34735-28-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-ethylhexyl)-3-oxobutanamidato(2-)]-, sodium	ビス[2-[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-N-(2-エチルヘキシル)-3-オキソブタンアミダト(2-)]-ナトリウム	72403-31-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(1-), bis[2-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]-, sodium	ビス[2-[4-[(5-クロロ-2-ヒドロキシフェニル)アゾ]-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼンスルホンアミダト(2-)]ナトリウム	74082-15-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[2-chloro-5-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, hydrogen, compound with cyclohexanamine (1:1)	ビス[2-クロロ-5-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフタレン)アゾ]-N-メチルベンゼンスルホンアミダト(2-)]水素トクシロヘキサミンの混合物(1:1)	71839-87-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[2-chloro-5-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, sodium	ビス[2-クロロ-5-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフタレン)アゾ]-N-メチルベンゼンスルホンアミダト(2-)]ナトリウム	70179-69-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, hydrogen	ビス[3-[(4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル)アゾ]-4-ヒドロキシベンゼンスルホンアミダト(2-)]水素	68568-52-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)]-, sodium, (OC-6-22)-	ビス[3-[(4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル)アゾ]-4-ヒドロキシベンゼンスルホンアミダト(2-)]ナトリウム(OC-6-22)-	34664-47-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-(1-methylethyl)benzenesulfonamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)	ビス[3-[(4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル)アゾ]-4-ヒドロキシ-N-(1-メチルエチル)ベンゼンスルホンアミダト(2-)]水素ト2-プロパンアミンの混合物(1:1)	71839-74-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-[3-(1-methylethoxy)propyl]benzenesulfonamidato(2-)]-, sodium	ビス[3-[(4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル)アゾ]-4-ヒドロキシ-N-[3-(1-メチルエトキシ)プロピル]ベンゼンスルホンアミダト(2-)]ナトリウム	72479-33-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[(8-hydroxy-5-quinolinyl)azo]benzenesulfonato(2-)]-, sodium	ビス[3-[(8-ヒドロキシ-5-キノリン)アゾ]ベンゼンスルホンアミダト(2-)]ナトリウム	72905-57-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[[1-(2,5-dichlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, sodium	ビス[3-[[1-(2,5-ジクロロフェニル)-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシベンゼンスルホンアミダト(2-)]ナトリウム	75214-67-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-, sodium	ビス[3-[[1-(3-クロロフェニル)-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシベンゼンスルホンアミダト(2-)]ナトリウム	73612-40-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, sodium	ビス[3-[[1-(3-クロロフェニル)-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-N-メチルベンゼンスルホンアミダト(2-)]ナトリウム	71701-14-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, hydrogen	ビス[3-[[1-(4-クロロフェニル)-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-N-メチルベンゼンスルホンアミダト(2-)]水素	67952-74-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, sodium	ビス[3-[[1-(4-クロロフェニル)-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-N-メチルベンゼンスルホンアミダト(2-)]ナトリウム	71566-39-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-1-(4-methylphenyl)-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]-, sodium	ビス[3-[[4,5-ジヒドロ-3-メチル-1-(4-メチルフェニル)-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-N-メチルベンゼンスルホンアミダト(2-)]ナトリウム	70281-40-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[3-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]-, sodium	ビス[3-[4-[(5-クロロ-2-ヒドロキシフェニル)アゾ]-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼンスルホンアミダト(2-)]ナトリウム	72403-34-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)amino]-N-(3-methoxypropyl)benzenesulfonamidato(2-)-N3,O3,O4]-, sodium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン)アミノ]-N-(3-メトキシプロピル)ベンゼンスルホンアミダト(2-)-N3,O3,O4]-ナトリウム	71735-52-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

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Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, ammonium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]ベンゼンスルホンアミド(2-)]-, アンモニウム	63971-70-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, hydrogen	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]ベンゼンスルホンアミド(2-)]-, 水素	50525-57-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]ベンゼンスルホンアミド(2-)]-, 水素と2-プロパニルアミン(1:1)の混合物	71839-84-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, lithium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]ベンゼンスルホンアミド(2-)]-, リチウム	125252-57-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, sodium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]ベンゼンスルホンアミド(2-)]-, ナトリウム	58302-43-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylethyl)benzenesulfonamidato(2-)]-, sodium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]-N-(1-メチルエチル)ベンゼンスルホンアミド(2-)]-, ナトリウム	72391-09-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(2-methoxyethyl)benzenesulfonamidato(2-)]-, sodium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]-N-(2-メトキシエチル)ベンゼンスルホンアミド(2-)]-, ナトリウム	70247-76-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(3-methoxypropyl)benzenesulfonamidato(2-)]-, sodium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]-N-(3-メトキシプロピル)ベンゼンスルホンアミド(2-)]-, ナトリウム	71735-61-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato (2-)]-, ammonium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]-N-メチルベンゼンスルホンアミド(2-)]-, アンモニウム	83847-06-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato (2-)]-, lithium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]-N-メチルベンゼンスルホンアミド(2-)]-, リチウム	83804-08-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato (2-)]-, sodium	ビス[4-ヒドロキシ-3-[(2-ヒドロキシ-1-ナフタレン基)アゾ]-N-メチルベンゼンスルホンアミド(2-)]-, ナトリウム	83804-07-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide, -dioxidato(2-)]-, ammonium	ビス[4-ヒドロキシ-3-[(5-ヒドロキシナフタ[2,1-d]-1,3-オキサチオール-4-イル)アゾ]ベンゼンスルホンアミド(2-)]-, アンモニウム	83864-23-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[4-hydroxy-3-[(5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl)azo]benzenesulfonamide, -dioxidato(2-)]-, sodium	ビス[4-ヒドロキシ-3-[(5-ヒドロキシナフタ[2,1-d]-1,3-オキサチオール-4-イル)アゾ]ベンゼンスルホンアミド(2-)]-, ナトリウム	83817-79-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[5-[(5-chloro-2-hydroxyphenyl)azo]-6-hydroxy-N-(2-hydroxyethyl)-N-methyl-2-naphthalenesulfonamidato(2-)]-, sodium	ビス[5-[(5-クロロ-2-ヒドロキシフェニル)アゾ]-6-ヒドロキシ-N-(2-ヒドロキシエチル)-N-メチル-2-ナフタレンスルホンアミド(2-)]-, ナトリウム	70236-43-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-methyl-2-naphthalenesulfonamidato(2-)]-, sodium	ビス[6-アミノ-5-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]-N-メチル-2-ナフタレンスルホンアミド(2-)]-, ナトリウム	70236-59-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-	ビス[3-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフチル)アゾ]-7-ニトロ-1-ナフタレンスルホン(2-)]-	26921-01-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[methyl [8-[[4-(aminosulfonyl)-2-hydroxy-5-methoxyphenyl]azo]-7-hydroxy-1-naphthalenyl]carbamato(2-)]-, sodium	ビス[メチル[8-[[4-(アミノスルホニル)-2-ヒドロキシ-5-メトキシフェニル]アゾ]-7-ヒドロキシ-1-ナフタレン基]カルバマト(2-)]-, ナトリウム	73507-63-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cobaltate(1-), bis[N-(2-chlorophenyl)-2-[[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-3-oxobutanamido(2-)]-, sodium	ビス[N-(2-クロロフェニル)-2-[[[2-ヒドロキシ-5-[(メチルアミノ)スルホニル]フェニル]アゾ]-3-オキsobutanamido(2-)]-, ナトリウム	70247-74-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[N-((2-chlorophenyl)-2-[[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]phenyl]azo]-3-oxobutanamido(2-)]-, hydrogen	ビス[N-((2-クロロフェニル)-2-[[[2-ヒドロキシ-5-[(メチルアミノ)スルホニル]フェニル]フェニル]アゾ]-3-オキsobutanamido(2-)]-, 水素	55963-70-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[N-(2-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-5-methylphenyl]acetamidato(2-)]-, sodium	ビス[N-(2-ヒドロキシ-3-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチルフェニル]アセタミダト(2-)]-, ナトリウム	71735-59-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[N-(7-hydroxy-8-[[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)	ビス[N-(7-ヒドロキシ-8-[[[2-ヒドロキシ-5-[(メチルアミノ)スルホニル]フェニル]アゾ]-1-ナフタレンイル]アセタミダト(2-)]-, 水素と2-プロパンアミンの混合物(1:1)	71839-76-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(1-), bis[N-(8-[[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)]-, sodium	ビス[N-(8-[[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-7-ヒドロキシ-1-ナフタレンイル]アセタミダト(2-)]-, ナトリウム	68966-95-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON]-, (OC-6-21)-	エタンジールビス[N-(カルボキシル)グリシナト](4-)-N,N',O,O',ON,ON]-, (OC-6-21)-	14931-83-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, disodium	[1-[(5-クロロ-2-ヒドロキシフェニル)アゾ]-2-ナフタレンolato(2-)]][3-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフタレンイル)アゾ]-7-ニトロ-1-ナフタレンスルフォナト(3-)]-, ナトリウム	125378-88-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)]][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium hydrogen	[1-[(5-クロロ-2-ヒドロキシフェニル)アゾ]-2-ナフタレンolato(2-)]][3-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフタレンイル)アゾ]-7-ニトロ-1-ナフタレンスルフォナト(3-)]-, ナトリウム水素	71243-97-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][2-[[[4-hydroxy-3-[[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, disodium	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]][2-[[[4-ヒドロキシ-3-[[[2-(フェニルアミノ)-1-ナフタレンイル]アゾ]フェニル]スルホニル]アミノ]ベンゾアト(3-)]-, ナトリウム	82556-13-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][2-[[[4-hydroxy-3-[[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, sodium hydrogen	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]][2-[[[4-ヒドロキシ-3-[[[2-(フェニルアミノ)-1-ナフタレンイル]アゾ]フェニル]スルホニル]アミノ]ベンゾアト(3-)]-, ナトリウム水素	73455-76-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, dihydrogen	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]][3-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフタレンイル)アゾ]-7-ニトロ-1-ナフタレンスルフォナト(3-)]-, 水素	72987-06-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, dihydrogen, compound with 2,2'-iminobis[ethanol] (1:2)	[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]][3-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフタレンイル)アゾ]-7-ニトロ-1-ナフタレンスルフォナト(3-)]-, 水素と2,2'-イミノビスエタノールの混合物(1:2)	72987-07-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [2,4-dinitro-6-[[[2-(phenylamino)-1-naphthalenyl]azo]phenolato(2-)]][3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)]-, sodium	[2,4-ジニトロ-6-[[[2-(フェニルアミノ)-1-ナフタレンイル]アゾ]フェニル]アト(2-)]][3-ヒドロキシ-4-[(2-ヒドロキシ-1-ナフタレンイル)アゾ]-7-ニトロ-1-ナフタレンスルフォナト(3-)]-, ナトリウム	72102-52-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [2-[[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-ethylhexyl)-3-oxobutanamido(2-)]][4-[[[1-[(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphthalenyl]amino]benzenesulfonato(3-)]-, dipotassium	[2-[[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-N-(2-エチルヘキシル)-3-オキsobutanamido(2-)]][4-[[[1-[(2-ヒドロキシ-3,5-ジニトロフェニル)アゾ]-2-ナフタレンイル]アミノ]ベンゼンスルフォナト(3-)]-, 二酸化カリウム	68928-31-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, dihydrogen	29H,31H-フタロシアニン-C,C-ジスルフォナト(4-)-N29,N30,N31,N32]-, 水素	29383-29-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium	7-アミノ-3-フェニル-1H-ピラゾール-4-イル-5-オキソ-1H-ピラゾール-4-イル-4-ヒドロキシベンゼンスルホン酸(2-)ナトリウム	61045-13-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), [6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-methyl-2-naphthalenesulfonamidato(2-)]-[6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenesulfonato(3-)]-, disodium	6-アミノ-5-[[2-ヒドロキシ-4-ニトロフェニルアゾ]N-メチル-2-ナフthalenesulfonamidato(2-)]-[6-アミノ-5-[[2-ヒドロキシ-4-ニトロフェニルアゾ]-2-ナフthalenesulfonato(3-)]]ナトリウム	75314-27-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, dihydrogen	2-[[5-(アミノスルホニル)-2-ヒドロキシフェニルアゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]ナトリウム	12715-61-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, dilithium	2-[[5-(アミノスルホニル)-2-ヒドロキシフェニルアゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]リチウム	67906-22-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]-, disodium	2-[[5-(アミノスルホニル)-2-ヒドロキシフェニルアゾ]-3-オキソ-N-フェニルブタンアミダト(2-)]ナトリウム	75522-91-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2)]-, dilithium, (OC-6-22)-	3-[[4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イルアゾ]-4-ヒドロキシベンゼンスルホンアミダト(2)]リチウム	67906-23-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2)]-, disodium, (OC-6-22)-	3-[[4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イルアゾ]-4-ヒドロキシベンゼンスルホンアミダト(2)]ナトリウム	72208-07-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2)]-, lithium sodium, (OC-6-22)-	3-[[4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イルアゾ]-4-ヒドロキシベンゼンスルホンアミダト(2)]リチウムナトリウム	75557-21-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2)]-, disodium	3-[[1-(3-クロロフェニル)-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イルアゾ]-4-ヒドロキシベンゼンスルホンアミダト(2)]ナトリウム	70529-03-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(2-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)]-, disodium	4-ヒドロキシ-3-[[2-ヒドロキシ-1-ナフthalenylアゾ]ベンゼンスルホンアミダト(2-)]ナトリウム	71060-75-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(3-), [4-amino-3-[(2-hydroxy-3,5-dinitrophenyl)azo]-1-naphthalenesulfonato(3-)]-[5-amino-6-[(2-hydroxy-3,5-dinitrophenyl)azo]-1-naphthalenesulfonato(3-)]-, trisodium	4-アミノ-3-[[2-ヒドロキシ-3,5-ジニトロフェニルアゾ]-1-ナフthalenesulfonato(3-)]-[5-アミノ-6-[[2-ヒドロキシ-3,5-ジニトロフェニルアゾ]-1-ナフthalenesulfonato(3-)]]ナトリウム	82457-28-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, triammonium, (T-4)-	N,N-ビス(ホスホノメチル)グリシナト(5-)三アンモニウム	67968-65-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, tripotassium, (T-4)-	N,N-ビス(ホスホノメチル)グリシナト(5-)三カリウム	63597-33-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)]-, trisodium, (T-4)-	N,N-ビス(ホスホノメチル)グリシナト(5-)三ナトリウム	67968-66-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(3-), bis[2-[[[3-[[1-[[2-chlorophenyl]amino]carbonyl]-2-oxopropyl]azo]-4-hydroxyphenyl]sulfonyl]amino]benzoato(3-)]-, trisodium	2-[[[3-[[1-[[2-クロロフェニル]アミノ]カルボニル]-2-オキソプロピルアゾ]-4-ヒドロキシフェニル]スルfonyルアミノ]ベンゾアト(3-)]ナトリウム	73612-41-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, trisodium	2-[[[4-ヒドロキシ-3-[[2-(フェニルアミノ)-1-ナフthalenylアゾ]フェニル]スルfonyルアミノ]ベンゾアト(3-)]ナトリウム	82556-12-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-(phenylamino)-1-naphthalenyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-, sodium dihydrogen	2-[[[4-ヒドロキシ-3-[[2-(フェニルアミノ)-1-ナフthalenylアゾ]フェニル]スルfonyルアミノ]ベンゾアト(3-)]ナトリウム	72829-33-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cobaltate(3-), bis[2-[[[4-hydroxy-3-[[2-oxo-1-[[[phenylamino]carbonyl]propyl]azo]phenyl]sulfonyl]amino]benzoato(3-)]-], sodium dihydrogen	ビス[2-[[[4-ヒドロキシ-3-[[2-オキソ-1-[[[フェニルアミノ]カルボニル]プロピル]アゾ]フェニル]スルfonyル]アミノ]ベンゾエート(3-)]-]ナトリウム二水素	73018-84-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[2-hydroxy-5-nitro-3-[[2-oxo-1-[[[phenylamino]carbonyl]propyl]azo]benzenesulfonato(3-)]-], sodium dihydrogen	ビス[2-ヒドロキシ-5-ニトロ-3-[[2-オキソ-1-[[[フェニルアミノ]カルボニル]プロピル]アゾ]ベンゼンスルホン酸(3-)]-]ナトリウム二水素	73507-73-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trisodium	ビス[3-ヒドロキシ-4-[[2-ヒドロキシ-1-ナフタレン]アゾ]-7-ニトロ-1-ナフタレンスルホン酸(3-)]-]ナトリウム三水素	125378-89-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trihydrogen	ビス[3-ヒドロキシ-4-[[2-ヒドロキシ-1-ナフタレン]アゾ]-7-ニトロ-1-ナフタレンスルホン酸(3-)]-]三水素	72797-08-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)]-, trihydrogen, compound with 2,2'-iminobis[ethanol] (1:3)	ビス[3-ヒドロキシ-4-[[2-ヒドロキシ-1-ナフタレン]アゾ]-7-ニトロ-1-ナフタレンスルホン酸(3-)]-]三水素と2,2'-イミノビスエタノールの混合物(1:3)	72797-09-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[3-hydroxy-7-nitro-4-[[1,2,3,4-tetrahydro-2,4-dioxo-3-quinoliny]azo]-1-naphthalenesulfonato(3-)]-, trisodium	ビス[3-ヒドロキシ-7-ニトロ-4-[[1,2,3,4-テトラヒドロ-2,4-ジオキソ-3-キノリニル]アゾ]-1-ナフタレンスルホン酸(3-)]-]ナトリウム三水素	74196-11-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[4-[[2-[[2-(2-hydroxy-5-nitrophenyl)azo]-1,3-dioxobutyl]amino]-5-methoxy-2-methylbenzenesulfonato(3-)]-, trihydrogen	ビス[4-[[2-[[2-(2-ヒドロキシ-5-ニトロフェニル]アゾ)-1,3-ジオキソブチル]アミノ]-5-メトキシ-2-メチルベンゼンスルホン酸(3-)]-]三水素	62598-42-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[4-[[4-[[[4-[[[4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxyphenyl]sulfonyl]amino]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)]-, trisodium	ビス[4-[[4-[[[4-[[[4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシフェニル]スルfonyル]アミノ]フェニル]アゾ]-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼンスルホン酸(3-)]-]ナトリウム三水素	75234-42-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[4-[[4-[[[4-[[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)]-, trisodium	ビス[4-[[4-[[[4-[[[5-(アミノスルfonyル)アゾ]-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]フェニル]アゾ]-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼンスルホン酸(3-)]-]ナトリウム三水素	75214-72-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[5-chloro-2-hydroxy-3-[[2-oxo-1-[[[phenylamino]carbonyl]propyl]azo]benzenesulfonato(3-)]-, trisodium	ビス[5-クロロ-2-ヒドロキシ-3-[[2-オキソ-1-[[[フェニルアミノ]カルボニル]プロピル]アゾ]ベンゼンスルホン酸(3-)]-]ナトリウム三水素	73324-01-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[6-amino-5-[[2-hydroxy-3,5-dinitrophenyl]azo]-1-naphthalenesulfonato(3-)]-, sodium dihydrogen	ビス[6-アミノ-5-[[2-ヒドロキシ-3,5-ジニトロフェニル]アゾ]-1-ナフタレンスルホン酸(3-)]-]ナトリウム二水素	73297-10-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), bis[6-amino-5-[[2-hydroxy-4-nitrophenyl]azo]-2-naphthalenesulfonato(3-)]-, trisodium	ビス[6-アミノ-5-[[2-ヒドロキシ-4-ニトロフェニル]アゾ]-2-ナフタレンスルホン酸(3-)]-]ナトリウム三水素	77630-54-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), hexakis(cyano-C)-, cobalt(2+) (2:3), (OC-6-11)-	ヘキサシアノコバルト(II)酸(2:3)	14123-08-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), hexakis(cyano-C)-, zinc (2:3), (OC-6-11)-	ヘキサシアノコバルト(II)酸亜鉛(2:3)	14049-79-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), hexakis(nitrito-N)-, tripotassium, (OC-6-11)-	ヘキサニトロコバルト(III)酸カリウム	13782-01-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), hexakis(nitrito-O)-, trisodium, (OC-6-11)-	ヘキサニトロコバルト(III)酸ナトリウム	14649-73-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(3-), tris[6-hydroxy-5-nitroso-2-naphthalenesulfonato(2-)]-, trisodium	トリス[6-ヒドロキシ-5-ニトロソ-2-ナフタレンスルホン酸(2-)]-]ナトリウム三水素	67815-64-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Cobaltate(4-), [[[nitrioltris(methylene)]tris[phosphonato] (6-)-N,OP,OP',OP'']-, tetrapotassium, (T-4)-	[[[ニトリトリス(メチレン)]トリス[ホスホン酸(6-)-N,OP,OP',OP'']]ナトリウム四カリウム	63588-34-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobaltate(4-), [[[nitrioltris(methylene)]tris(phosphonato)(6-)-N,OP,OP',OP'']-, tetrasodium, (T-4)-	[[[ニトリオトリス(メチレン)]トリス(ホスホネート)](6-)-N,OP,OP',OP''] 四ナトリウムコバルト(4-)酸	68000-01-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(4-), [[[nitrioltris(methylene)]tris(phosphonato)(6-)-N,OP,OP',OP'']-, triammonium hydrogen, (T-4)-	[[[ニトリオトリス(メチレン)]トリス(ホスホネート)](6-)-N,OP,OP',OP''] トリス(ホスホネート)四アンモニウム水素	67968-64-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(4-), [29H,31H-phthalocyanine-2,9,16,23-tetrasulfonato(6-)-N29,N30,N31,N32]-, tetrahydrogen, (SP-4-1)-	[29H,31H-フタルシアニド-2,9,16,23-テトラスルホネート(6-)-N29,N30,N31,N32] 四水素コバルト(4-)酸	14285-59-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(4-), bis[2-[[[3-[[1-[[2-chlorophenyl]amino]carbonyl]-2-oxopropyl]azo]-4-hydroxyphenyl]sulfonyl]amino]benzoate(3-)]-, tetrasodium	ビス[2-[[[3-[[1-[[2-クロロフェニル]アミノ]カルボニル]-2-オキソプロピル]アゾ]-4-ヒドロキシフェニル]スルfonyル]アミノ]ベンゾエート(3-)] 四ナトリウム	70851-34-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(4-), hexakis(cyano-C)-, tetrapotassium, (OC-6-11)-	シアン化コバルト六ケイ素塩	14564-70-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(4-), hexakis(cyano-C)-, tetrasodium, (OC-6-11)-	シアン化コバルト六ケイ素塩(炭素数6-11)	14217-00-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[4-[[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]-2-[[4-chloro-6-[[4-[4,5-dihydro-4-[[2-hydroxy-5-sulfonyl]azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]amino]-1,3,5-triazin-2-yl]amino]benzenesulfonato(4-)]-, pentasodium	ビス[4-[[5-クロロ-2,6-ジフルオロ-4-ピリミジンイル]アミノ]-2-[[4-クロロ-6-[[4-[4,5-ジヒドロ-4-[[2-ヒドロキシ-5-スルfonyル]アゾ]-3-メチル-5-オキソ-1H-ピラゾール-1-イル]フェニル]アミノ]-1,3,5-トリアジン-2-イル]アミノ]ベンゼンスルfoネート(4-)] 五ナトリウム	83417-32-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[4-[[6-[[4-chloro-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-1-hydroxy-3-sulfo-2-naphthalenyl]azo]-3-hydroxy-7-nitro-1-naphthalenesulfonato(4-)]-, pentasodium	ビス[4-[[6-[[4-クロロ-6-(フェニルアミノ)-1,3,5-トリアジン-2-イル]アミノ]-1-ヒドロキシ-3-スルfo-2-ナフタレンイル]アゾ]-3-ヒドロキシ-7-ニトロ-1-ナフタレンスルfoネート(4-)] 五ナトリウム	75284-36-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[4-[[4-[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulfonyl)-1H-pyrazol-4-yl]azo]-4-hydroxyphenyl]sulfonyl]amino]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(4-)]-, pentasodium	ビス[4-[[4-[[[3-[[4,5-ジヒドロ-3-メチル-5-オキソ-1-(4-スルfonyル)ピラゾール-4-イル]アゾ]-4-ヒドロキシフェニル]スルfonyル]アミノ]フェニル]アゾ]-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼンスルfoネート(4-)] 五ナトリウム	75214-71-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-5-[[2,5,6-trichloro-4-pyrimidinyl]amino]-2,7-naphthalenedisulfonato(4-)]-, pentasodium	ビス[4-ヒドロキシ-3-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-5-[[2,5,6-トリクロロ-4-ピリミジンイル]アミノ]-2,7-ナフタレンジスルfoネート(4-)] 五ナトリウム	74196-19-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[5-[[4,6-dichloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, pentasodium	ビス[5-[[4,6-ジクロロ-1,3,5-トリアジン-2-イル]アミノ]-4-ヒドロキシ-3-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-2,7-ナフタレンジスルfoネート(4-)] 五ナトリウム	104815-53-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, pentasodium	ビス[5-[[4-アミノ-6-クロロ-1,3,5-トリアジン-2-イル]アミノ]-4-ヒドロキシ-3-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-2,7-ナフタレンジスルfoネート(4-)] 五ナトリウム	79817-88-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, tetrapotassium sodium	ビス[5-[[4-アミノ-6-クロロ-1,3,5-トリアジン-2-イル]アミノ]-4-ヒドロキシ-3-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-2,7-ナフタレンジスルfoネート(4-)] 四ナトリウムナトリウム	73038-30-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, tetrasodium hydrogen	ビス[5-[[4-アミノ-6-クロロ-1,3,5-トリアジン-2-イル]アミノ]-4-ヒドロキシ-3-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-2,7-ナフタレンジスルfoネート(4-)] 四ナトリウム水素	70776-55-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobaltate(5-), bis[5-[[4-chloro-6-methoxy-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)]-, tetrasodium hydrogen	ビス[5-[[4-クロロ-6-メトキシ-1,3,5-トリアジン-2-イル]アミノ]-4-ヒドロキシ-3-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-2,7-ナフタレンジスルfoネート(4-)] 四ナトリウム水素	68132-93-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																





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Hydrazinium(1+), (OC-6-21)-[[N,N'-1,2-ethanediy]bis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON]cobaltate(2-) (2:1)	ヒドラージニウム(1+) N(OC-6-21)-[[N,N'-1,2-エタンジイル]ビス[N-(カルボキシル)グリシナート]](4-)-N,N',O,O',ON,ON]コバルタート(2-) (2:1 混合)	68201-98-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrofluoric acid, reaction products with alumina and cobalt chloride (CoCl2)	酸化アルミニウム塩化コバルト反応生成物	68442-96-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen [2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]1-[[2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)]cobaltate(1-)	[2,4-ジヒドロ-4-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]1-[[2-ヒドロキシ-4-ニトロフェニル)アゾ]-2-ナフタリノレート(2-)]コバルタート(1-)	52277-72-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen [2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)]3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ヒドロゲン[2-[[5-(アミノサルフェニル)アゾ]-3-オキソ-N-フェニルブチルアミダート(2-)]3-[[1-(ベンゾチアゾール-2-イル)-2-オキソプロピル]アゾ]-4-ヒドロキシベンゼンサルフェニルアミダート(2-)]コバルタート(1-)	83249-70-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[1-[(2-hydroxy-4-nitrophenyl)azo]naphthalen-2-olato(2-)]cobaltate(1-)	ヒドロゲンビス[1-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]ナフタレン-2-olato(2-)]コバルタート(1-)	32517-38-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)	ヒドロゲンビス[2,4-ジヒドロ-4-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]コバルタート(1-)	84030-59-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[2,4-dihydro-4-[(2-hydroxy-5-mesitylphenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)	ヒドロゲンビス[2,4-ジヒドロ-4-[(2-ヒドロキシ-5-メシチルフェニル)アゾ]-5-メチル-2-フェニル-3H-ピラゾール-3-オンアト(2-)]コバルタート(1-)	29998-71-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutylamidato(2-)]cobaltate(1-), compound with 2,2'-dodecyliminobis[ethanol] (1:1)	ヒドロゲンビス[2-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-3-オキソ-N-フェニルブチルアミダート(2-)]コバルタート(1-), 水素ト2,2'-ドデシルイミノビス[エタノール] (1:1)	84030-58-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	ヒドロゲンビス[3-[[1-(ベンゾチアゾール-2-イル)-2-オキソプロピル]アゾ]-4-ヒドロキシベンゼンサルフェニルアミダート(2-)]コバルタート(1-)	83249-73-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[5,8-dichloro-2-[(2-hydroxy-4-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)	ヒドロゲンビス[5,8-ジクロロ-2-[(2-ヒドロキシ-4-ニトロフェニル)アゾ]-1-ナフタリノレート(2-)]コバルタート(1-), シクロヘキシルアミンの混合物(1:1)	82338-72-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[5,8-dichloro-2-[(2-hydroxy-5-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)	ヒドロゲンビス[5,8-ジクロロ-2-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-1-ナフタリノレート(2-)]コバルタート(1-), シクロヘキシルアミンの混合物(1:1)	82338-74-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Hydrogen bis[N-[7-hydroxy-8-[[2-hydroxy-5-mesitylphenyl)azo]-1-naphthyl]cobaltate(1-)	ヒドロゲンビス[N-[7-ヒドロキシ-8-[[2-ヒドロキシ-5-メシチルフェニル)アゾ]-1-ナフタリル]コバルタート(1-)	29616-23-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Isononanoic acid, cobalt salt	イソノナノ酸コバルト塩(混合)	57364-75-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Leach residues, zinc ore-calcine, cobalt repulp	コバルト再溶解の亜鉛加焼材の鉛残留物	69012-71-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Lithium [2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamidato(2-)]3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	リチウム[2-[[5-(アミノサルフェニル)アゾ]-3-オキソ-N-フェニルブチルアミダート(2-)]3-[[1-(ベンゾチアゾール-2-イル)-2-オキソプロピル]アゾ]-4-ヒドロキシベンゼンサルフェニルアミダート(2-)]コバルタート(1-)	83270-30-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Lithium bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutylamidato(2-)]cobaltate(1-)	リチウムビス[2-[(2-ヒドロキシ-5-ニトロフェニル)アゾ]-3-オキソ-N-フェニルブチルアミダート(2-)]コバルタート(1-)	83733-13-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lithium bis[2-[[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-)	リチウムビス[2-[[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-3-オキソ-N-フェニルブチラミダト(2-)]コバルト酸(1-)リチウム	83249-68-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Lithium bis[3-[[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)	リチウムビス[3-[[[1-(ベンゾチアゾール-2-イル)-2-オキソプロピル]アゾ]-4-ヒドロキシベンゼンスルホンアミダト(2-)]コバルト酸(1-)リチウム	83249-72-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Lithium nickel cobalt aluminum oxide	リチウムニッケルコバルトアルミニウム酸化物	177997-13-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Molybdate (Mo7O246-), cobalt(3+) (2:1)	モリブデン酸(Mo7O246-) コバルト(3+)混合物(2:1)	68647-47-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
N,N'-Ethylenebis(glycinato-O,N)cobalt	N,N'-エチレンジアミン(グリシン酸-O,N) コバルト	29977-10-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Naphthenic acid, cobalt lead manganese salt	ナフテン酸コバルト鉛マンガング塩(混合)	61789-50-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D/P		●														
Neodecanoic acid, cobalt(2+) salt	ネオデカン酸コバルト(II)	52270-44-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Nitric acid, cobalt(3+) salt	硝酸コバルト(III)	15520-84-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Octadecanoic acid, cobalt salt	ステアリン酸コバルト(II)	13586-84-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Octanoic acid, cobalt salt	オクタノ酸コバルト(II)	6700-85-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Pentapotassium bis[5-[[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[[2-hydroxy-5-nitrophenyl]azo]naphthalene-2,7-disulphonato(4-)]cobaltate(5-)]	リチウムビス[5-[[[4-アミノ-6-クロロ-1,3,5-トリアジン-2-イル]アミノ]-4-ヒドロキシ-3-[[[2-ヒドロキシ-5-ニトロフェニル]アゾ]ナフthalene-2,7-ジスルホナト(4-)]コバルト酸(5-)五カリウム	79817-89-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Perchloric acid, cobalt(2+) salt	過塩素酸コバルト(II)	13455-31-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D	●															
Phosphonic acid, (1-hydroxyethylidene)bis-, ammonium cobalt(2+) salt (1:2:1)	1-ヒドロキシエチリデンビス(ホスホン酸),コバルト(II),2アンモニウム	69178-34-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) potassium salt (1:1:2)	1-ヒドロキシエチリデンビス(ホスホン酸),コバルト(II),2カリウム	69140-59-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) sodium salt (1:1:2)	1-ヒドロキシエチリデンビス(ホスホン酸),コバルト(II),2ナトリウム	69140-60-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Phosphoric acid, ammonium cobalt(2+) salt (1:1:1)	リン酸アンモニウムコバルト(II)	14590-13-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D		●														
Phosphoric acid, cobalt(2+) salt (1:1)	リン酸水素コバルト(II)	13596-21-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Phosphoric acid, cobalt(2+) salt (2:1)	リン酸二水素コバルト(II)	18718-10-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Phosphoric acid, cobalt(2+) salt (2:3), hydrate	リン酸コバルト(II)水和物	10101-56-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O''cobaltate(1-)]	[N,N-ビス(カルボキシル)グリシン酸(3-)-N,O,O',O''コバルト酸(1-)カリウム]	63640-17-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Propanoic acid, 2,2-dimethyl-, cobalt(2+) salt	2,2-ジメチルプロピオン酸コバルト(II)	15520-31-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Selenic acid, cobalt(2+) salt (1:1)	セレン酸コバルト(II)	14590-19-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Sodium [2-[[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutylamido(2-)]][3-[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamido(2-)]cobaltate(1-)	ナトリウム[2-[[[5-(アミノスルホニル)-2-ヒドロキシフェニル]アゾ]-3-オキソ-N-フェニルブチルアミド(2-)]][3-[[1-(ベンゾチアゾール-2-イル)-2-オキソプロピル]アゾ]-4-ヒドロキシベンゼンスルホンアミド(2-)]コバルト酸(1-)ナトリウム	83249-69-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sodium bis[1-[[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-2-naphtholato(2-)]cobaltate(1-)	ナトリウムビス[1-[[[5-(エチルスルホニル)-2-ヒドロキシフェニル]アゾ]-2-ナフトール酸(2-)]コバルト酸(1-)ナトリウム	55870-94-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sodium bis[3-[[[1-(benzothiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamido(2-)]cobaltate(1-)	ナトリウムビス[3-[[[1-(ベンゾチアゾール-2-イル)-2-オキソプロピル]アゾ]-4-ヒドロキシベンゼンスルホンアミド(2-)]コバルト酸(1-)ナトリウム	83249-71-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sodium bis[3-[[[4,5-dihydro-3-methyl-1-(4-nitrophenyl)-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulphonamido(2)]cobaltate(1-)	ナトリウムビス[3-[[[4,5-ジヒドロ-3-メチル-1-(4-ニトロフェニル)-5-オキソ-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシベンゼンスルホンアミド(2)]コバルト酸(1-)ナトリウム	83803-65-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sodium bis[4-[[[4-chloro-1-hydroxy-2-naphthyl]azo]-N,N'-diethyl-5-hydroxybenzene-1,3-disulphonamido(2-)]cobaltate(1-)	ナトリウムビス[4-[[[4-クロロ-1-ヒドロキシ-2-ナフチル]アゾ]-N,N'-ジエチル-5-ヒドロキシベンゼン-1,3-ジスルホンアミド(2-)]コバルト酸(1-)ナトリウム	24215-94-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sodium bis[4-hydroxy-3-[[[5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl]azo]-N-methylbenzenesulphonamide S,S-dioxido(2-)]cobaltate(1-)	ナトリウムビス[4-ヒドロキシ-3-[[[5-ヒドロキシナフタ[2,1-d]-1,3-オキサチオール-4-イル]アゾ]-N-メチルベンゼンスルホンアミド S,S-ジオキソ(2-)]コバルト酸(1-)ナトリウム	83817-78-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sodium bis[methyl [8-[[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-7-hydroxy-2-naphthyl]methyl]carbamato(2-)]cobaltate(1-)	ナトリウムビス[メチル[8-[[[5-(エチルスルホニル)-2-ヒドロキシフェニル]アゾ]-7-ヒドロキシ-2-ナフチル]メチル]カルバマト(2-)]コバルト酸(1-)ナトリウム	55870-93-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Spinels, cobalt nickel zinc grey	尖晶石(コバルトニッケル亜鉛グレー)	95046-47-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sulfuric acid, ammonium cobalt(2+) salt	硫酸(コバルト(II)ニアンモニウム)	13586-38-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sulfuric acid, ammonium cobalt(2+) salt (2:2:1)	硫酸,アンモニア,コバルト(II),(2:2:1)	13596-46-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Sulfuric acid, cobalt salt, hydrate	硫酸コバルト塩水和物	65492-00-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Tetrakis[(decanoato-O)cobalt]tetra-.mu.-oxotitanium	テトラキス[(デカノート-O)コバルト]テトラ-μ-オキソチタン	84145-31-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Tetrakis[(octanoato-O)cobalt]tetra-.mu.-oxotitanium	テトラキス[(オクタノート-O)コバルト]テトラ-μ-オキソチタン	84176-59-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Thiocyanic acid, cobalt(2+) salt	チオシアノ酸コバルト(II)	3017-60-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Tri-.mu.-carbonyltetracarbonyl(pentacarbonyl)dirhodium	トリ-μ-カルボニルテトラカルボニル(五カルボニル)ジロジウム	50696-78-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Tricobalt bis(orthophosphate)	リン酸コバルト(II)	13455-36-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Tricopper bis[hexa(cyano-c)cobaltate(3-)]	三[[[六シアノ(3-)コバルト酸(3-)]三銅]	14518-26-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	
Trihydrogen bis[5-[[[4-hydroxy-3-[[[2-oxo-1-[[[phenylamino]carbonyl]propyl]azo]phenyl]sulphonyl]amino]naphthalene-2-sulphonato(3-)]cobaltate(3-)]	ナトリウムビス[5-[[[4-ヒドロキシ-3-[[[2-オキソ-1-[[[フェニルアミノ]カルボニル]プロピル]アゾ]フェニル]スルホニル]アミノ]ナフタレン-2-スルホンアミド(3-)]コバルト酸(3-)三水素]	72932-56-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																	

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Triphenyl(p,p,p-triphenylphosphine imidato-N)phosphorus(1+) tetracarboxylcobaltate(1-)	トリフェニル(p,p,p-トリフェニルホスフィンイミダートN)リン酸(1) テトラカルボキシルコバルト酸(1-)	53433-12-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Tris(heptane-3,5-dionato-O,O')cobalt	トリス(3,5-ヘプタジオン酸)コバルト(III)	15188-91-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium [N,N-bis[2-(bis(carboxymethyl)amino)ethyl]glycinate(5-)]cobaltate(3-)	[N,N-ビス[2-[[ビス(カルボキシル)アミノ]エチル]グリシナート(5-)]コバルト酸(3-)	6255-07-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxy-5-nitrobenzenesulphonato(3-)]cobaltate(3-)	ビス[3-[[4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル]アゾ]-2-ヒドロキシ-5-ニトロベンゼンスルホン酸(3-)]コバルト酸(3-)	84204-70-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis[3-[(5-amino-3-methyl-1-phenyl-1H-pyrazol-4-yl)azo]-5-chloro-4-hydroxy-N-[2-(sulphoxy)ethyl]benzenesulphonamido(3-)]cobaltate(3-)	ビス[3-[[5-アミノ-3-メチル-1-フェニル-1H-ピラゾール-4-イル]アゾ]-5-クロロ-4-ヒドロキシ-N-[2-(スルホキシ)エチル]ベンゼンスルホンアミド(3-)]コバルト酸(3-)	83804-04-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis[4-[4,5-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]benzene-1-sulphonato(3-)]cobaltate(3-)	ビス[4-[[4,5-ジヒドロ-4-[[2-ヒドロキシ-5-ニトロフェニル]アゾ]-3-メチル-5-オキソ-1H-ピラゾール-1-イル]ベンゼン-1-スルホン酸(3-)]コバルト酸(3-)	79135-28-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis[4-hydroxy-3-nitro-5-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]benzenesulphonato(3-)]cobaltate(3-)	ビス[4-ヒドロキシ-3-ニトロ-5-[[2-オキソ-1-[[フェニルアミノ]カルボニル]プロピル]アゾ]ベンゼンスルホン酸(3-)]コバルト酸(3-)	83733-22-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis[5-chloro-2-hydroxy-3-[(2-hydroxy-1-naphthyl)azo]benzenesulphonato(3-)]cobaltate(3-)	ビス[5-クロロ-2-ヒドロキシ-3-[[2-ヒドロキシ-1-ナフチル]アゾ]ベンゼンスルホン酸(3-)]コバルト酸(3-)	6771-86-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis[6-amino-5-[(2-hydroxy-3,5-dinitrophenyl)azo]naphthalene-1-sulphonato(3-)]cobaltate(3-)	ビス[6-アミノ-5-[[2-ヒドロキシ-3,5-ジニトロフェニル]アゾ]ナフthalen-1-スルホン酸(3-)]コバルト酸(3-)	84057-73-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis[amino[2-hydroxy-3,5-dinitrophenyl]azo]naphthalenesulphonato(3-)]cobaltate(3-)	ビス[アミノ[[2-ヒドロキシ-3,5-ジニトロフェニル]アゾ]ナフthalen-1-スルホン酸(3-)]コバルト酸(3-)	74220-71-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium hexanitritocobaltate	ヘキサニトロコバルト(III)酸ナトリウム	13600-98-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-N-[3-(1-methylethoxy)propyl]benzenesulfonamido(2-)]cobaltate(1-)	9-(2-カルボキシルフェニル)-3,6-ビス(ジエチルアミノ)-, ビス[[3-[[4,5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-N-[3-(1-メチルエトキシ)プロピル]ベンゼンスルホンアミド(2-)]コバルト酸(1-)	71566-55-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Acid Red 182	C.I.アゾットレッド 182	61901-42-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
1-Propanamin, N,N-dipropyl-, cobalt complex	N,N-ジプロピル-1-プロパンアミンコバルト錯体	75101-45-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt borate neodecanoate complexes,	ネオデカノートコバルト錯体	68457-13-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Pigment Blue 28	酸化第一コバルト酸化ナトリウム(1:x)	1345-16-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt aluminate blue spinel	コバルトアルミナ酸ナトリウム	68186-86-7	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Acid Blue	C.I.アゾットブルー	51053-44-2	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Pigment Blue 36	C.I.ピグメントブルー 36	68187-11-1	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
C.I. Pigment Blue 74 (Cobalt Zinc Silicate Blue Phenacite)		68412-74-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Pigment Green 26	C.I.ピグメントグリーン26	68187-49-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Pigment Violet 47	C.I.ピグメントバイオレット47	68610-13-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Pigment Green 50	C.I.ピグメントグリーン50	68186-85-6	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D	●	●														
C.I. Pigment Blue 72	C.I.ピグメントブルー72	68186-87-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Pigment Green 19	C.I.ピグメントグリーン19	8011-87-8	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
C.I. Pigment Black 27	C.I.ピグメントブラック27	68186-97-0	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Cobalt(II) isoalkanoates(C6-C19)	C6-19分枝脂肪酸のCo <sup>2+</sup> 塩	68409-81-4	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
(C9-C13) Neoalkanoic acids, cobalt(2+) salts	C9-13分枝脂肪酸のCo <sup>2+</sup> 塩	68955-83-9	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Trisodium bis(2-hydroxy-5-nitro-3-((2-oxo-1-((phenylamino)carbonyl)propyl)azo)benzenesulphonato(3-))cobaltate(3-)	ビス[2-ヒドロキシ-5-ニトロ-3-((2-オキソ-1-((フェニルアミノ)カルボニル)プロピル)アゾ)ベンゼンスルホン酸(3-)]コバルト酸(3-)三ナトリウム	85959-73-5	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Zinc chrome cobalt aluminate blue spinel		74665-01-3	Observation	All applications and products	Relative to the weight of component parts and materials Cobalt compounds and alloys (excluding steels) 1000	D																
Colophony (Rosin), selected	コロフォニー (ロジン)、抜粋		Observation			D																
Rosin	ロジン	8050-09-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Colophony resin	コロフォニー	148499-15-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Resin acids and Rosin acids zinc salts	ロジン酸・ロジン酸亜鉛の塩	91081-53-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Copper (metallic)	銅(金属)	7440-50-8	Observation	All applications and products	5 % copper and its compounds by weight 0.5 % copper and its compounds by weight (January 1, 2025)	D/P																
Critical Raw Materials		See list of substances reported in IMDS: <a href="https://public.mdsystem.com/web/imds-public-pages/gadsl-crm">https://public.mdsystem.com/web/imds-public-pages/gadsl-crm</a>	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Cumene	クマ	98-82-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●		●	
Cyclododecane, hexabromo- (HBCD)	シクロドデカン、ヘキサブロモ (HBCD)		Prohibited			D/P																
Cyclododecane, hexabromo- (HBCD)		25637-99-4	Prohibited	All applications and products	Intentionally added	P	●	●	●			●					●		●			
1,2,5,6,9,10-Hexabromocyclododecane		3194-55-6	Prohibited	All applications and products	Intentionally added	P	●	●	●			●					●		●			
rel-(1R, 2S, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		4736-49-6	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
rel-(1R, 2S, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		65701-47-5	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
rel-(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	α-ヘキサブロムジシクロドデカン	134237-50-6	Prohibited	All applications and products	Intentionally added	P	●	●	●			●					●		●			
rel-(1R, 2S, 5R, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane	β-ヘキサブロムジシクロドデカン	134237-51-7	Prohibited	All applications and products	Intentionally added	P	●	●	●			●					●		●			
rel-(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane	γ-ヘキサブロムジシクロドデカン	134237-52-8	Prohibited	All applications and products	Intentionally added	P	●	●	●			●					●		●			
(1R, 2R, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-17-7	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
(1R, 2R, 5R, 6S, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-18-8	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
(1R, 2S, 5S, 6R, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		138257-19-9	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
(1R, 2S, 5S, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		169102-57-2	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
(1R, 2R, 5S, 6R, 9R, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		678970-15-5	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
(1R, 2S, 5R, 6S, 9S, 10S)-1,2,5,6,9,10-Hexabromocyclododecane		678970-16-6	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
(1R, 2R, 5R, 6S, 9S, 10R)-1,2,5,6,9,10-Hexabromocyclododecane		678970-17-7	Prohibited	All applications and products	Intentionally added	D/P		●				●					●		●			
Hexabromocyclododecane		74398-41-7	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		673456-49-0	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		878049-04-8	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		878049-05-9	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		878049-06-0	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		878049-07-1	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		878049-08-2	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		1027045-74-4	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		1093632-34-8	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		1235106-66-7	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		1380399-84-7	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		1380399-85-8	Prohibited	All applications and products	Intentionally added	-						●										
Hexabromocyclododecane		1380399-86-9	Prohibited	All applications and products	Intentionally added	-						●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA			
Hexabromocyclododecane		1380399-87-0	Prohibited	All applications and products	Intentionally added	-							●												
Hexabromocyclododecane		1392102-29-2	Prohibited	All applications and products	Intentionally added	-							●												
Hexabromocyclododecane		1392102-30-5	Prohibited	All applications and products	Intentionally added	-							●												
Hexabromocyclododecane		1392102-31-6	Prohibited	All applications and products	Intentionally added	-							●												
Cyclohexane-1,2-dicarboxylic anhydride		85-42-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●																	
D&C Orange No. 17		3468-63-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																		●	
Decamethylcyclopentasiloxane		541-02-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●	●																
Decamethyltetrasiloxane		141-62-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			
Diamino-diphenylmethane (4,4'-Diaminodiphenylmethane)	ジ'アミノ-ジ'フェニル-メタン (4,4'-ジ'アミノ-ジ'フェニルメタン)	101-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●		●									●			●			
Diazene-1,2-dicarboxamide, Azodicarbonamide (ADCA)	アゾ'ジ'カルバミ'ド'アミド'	123-77-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			●
Dibromo-propanol		96-13-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●											●			●			
1,3-diethyl-2-thiourea		105-55-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			
1,3-dihydro-4(or 5)-methyl-2H- benzimidazole-2-thione		53988-10-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			
1,3-dihydro-4(or 5)-methyl-2H- benzimidazole-2-thione, zinc salt		61617-00-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			
2,4-Dihydroxybenzophenone		131-56-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			
Diisodecyl azelate		28472-97-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			
2-(dimethylamino)-2-[(4- methylphenyl)methyl]-1-[4-(morpholin-4- yl)phenyl]butan-1-one		119344-86-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●																	
N-1,3-dimethylbutyl-N'-phenyl-p- phenylenediamine, (6PPD)		793-24-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																			
Dimethylformamide (N,N- Dimethylformamide)	N,N-ジ'メチルホルミルアミド'	68-12-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●	●	●										●			●			
N,N-Dimethylacetamide	N,N-ジ'メチルアセチルアミド'	127-19-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●			●			
2,4 Dinitrotoluene	2,4-ジ'ニトロトルエン'	121-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●		●									●			●			
Diorganotin compounds	ジ有機スズ化合物		Prohibited			D/P																			
Dibutyltin compounds, all members	ジブチルスズ化合物、全て		Prohibited			D/P																			
2,2'- ((Dibutylstannylene)bis(thio))diethanol		3026-81-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																			
3,8,10-Trioxa-9-stannatetradeca-5,12- dien-14-oic acid, 9,9-dibutyl-2-methyl- 4,7,11-trioxo-, 1-methylethyl ester, (Z,Z)-	3,8,10-トリオキサ-9-スタノテトラデカ-5,12-ジエン-14- 酸,9,9-ジブチル-2-メチル-4,7,11-トリオキソ-,1-メチルエチル エステル,(Z,Z)-	22535-42-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																			
3,8,10-Trioxa-9-stannatetradeca-5,12- dien-14-oic acid, 9,9-dibutyl-4,7,11-trioxo- , ethyl ester, (Z,Z)-	3,8,10-トリオキサ-9-スタノテトラデカ-5,12-ジエン-14- 酸,9,9-ジブチル-4,7,11-トリオキソ-,エチルエステル,(Z,Z)-	13173-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
5,7,12-Trioxa-6-stannatetracosane-2,9-dienoic acid, 6,6-dibutyl-4,8,11-trioxo-, dodecyl ester, (Z,Z)-	5,7,12-トリオキサ-6-スタナトトラコサ-2,9-ジエノ酸ドデシル,6,6-ジブチル-4,8,11-トリオキサ-トランスジエノ酸,(Z,Z)-	33466-31-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Acetate, S,S'-bis(octylmercapto-, dibutyltin	S,S'-ビス(オクチルメルカプト)ジブチルチン	32011-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Bis (acetato) dibutyltin	ビス(酢酸)ジブチルチン	17523-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyl tin	ジブチルチン	1002-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltinbis(2-ethylhexyl mercaptoacetate)		10584-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutylbis(octyl maleate)tin		17036-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Diisooctyl 4,4'-((dibutylstannylene)bis(oxy))bis(4-oxoisocrotonate)		25168-21-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutylbis((1-oxoneodecyl)oxy)stannane		25168-22-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutylbis(myristoyloxy)stannane		28660-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutylthioxostannane		4253-22-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutylbis[(1-oxoisooctadecyl)oxy]stannane		59963-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane		93925-42-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutylbis(ethyl 3-oxobutyrate-O1',O3)tin	ジブチルチン(エチル-3-オキブチレート-O1',O3)チン	54581-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin bis(2-ethylhexyl-3-mercaptopropionate)	3,3'-bis(2-エチルヘキシル-3-メルカプトプロピオン酸)ジブチルチン	53202-61-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin bis(benzyl maleate)	8,8-ジブチルチン-3,6,10-トリオキサ-1,7,11,13-テトラオキサ-2,7,9-トリオキサ-8-スタノオクタジエン-4,11,13-ジエノ酸フェニルメチルエステル	7324-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin bis(cyclohexyl maleate)	(Z,Z)-ジブチルチン[[4-(シクロヘキシルオキシ)-1,4-ジブチル-2-ブチル]オキシ]ジブチルチン	5587-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin bis(lauryl β-mercaptopropionate)	3,3'-bis(ラウリルβ-メルカプトプロピオン酸)ジブチルチン	51287-83-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin bis(octylthioglycolate)	2,2'-bis(オクチルチオグリコレート)ジブチルチン	2781-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin bis(oleyl maleate)	(all-Z)-4,4'-bis(オレイル)ジブチルチン	29881-72-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin di(isooctyl 3-mercaptopropionate)	3,3'-bis(イソオクチル-3-メルカプトプロピオン酸)ジブチルチン	26761-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin diacetate	ジブチルチンジアセテート	1067-33-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●																
Dibutyltin dibenzoate	ビス(ベンゾイル)ジブチルチン	5847-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin dibutoxide	ジブチルチンジブチルペルオキシド	3349-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Dibutyltin dichloride	ジブチルチンジクロライド(IV)	683-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●	●											●				
Dibutyltin dihexanoate	ジブチルチンヘキサノイルジブチルチン	19704-60-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Dibutyltin dilaurate	ジブチル[(1-オクタドセカノイル)エステル]	77-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●															
Dibutyltin dilauryl mercaptide	ジブチル[(2-オクタドセカノール)メルカプタイド]	1185-81-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin dimaleate	(Z,Z)-4,4'-[[ジブチルジメチレンジオキソヘキセン-2,2',2'-ジカルボキシ]ジエチル]	10192-92-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyl dimethoxystannane		1067-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin dioctanoate	ジブチル[(1-オクタノイル)エステル]	4731-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin dioleate	ジブチル[(1-オレイル)エステル]	13323-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin dipalmitate	ジブチル[(1-パルミチル)エステル]	13323-63-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin disalicylate	ジブチル[(2-ヒドロキシベンゾイル)エステル]	14214-24-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin distearate	ジブチル[(1-ステアロイル)エステル]	5847-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin hydrogen borate	ジブチル水酸化ホウ素	75113-37-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P		●											●			
Dibutyltin isooctanoate	ジブチル[(1-イソオクタノイル)エステル]	85702-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin linoleate	ジブチルリノール酸塩	85391-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin linolenate	ジブチルリノレン酸塩	95873-60-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin maleate	2,2'-ジブチル-1,3,2'-ジマレイルジエチル	78-04-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●															
Dibutyltin mercaptoacetate	2,2'-ジブチル-1,3,2'-ジメルカプトアセチル	78-20-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin mercaptopropionate	2,2'-ジブチル-1,3,2'-ジメルカプトプロピオン	78-06-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin oxide	ジブチル酸ジブチル	818-08-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●															
Dibutyltin S,S'-bis(isooctyl mercaptoacetate)Acetic acid, 2,2'-[[dibutylstannylene]bis(thio)]bis-, 1,1'-diisooctyl ester)	ジブチル[(1-イソオクタノイル)メルカプタイド]ジエチル	25168-24-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin di(2-ethylhexyl maleate)	ジブチル[(2-エチルヘキシル)マレイル]	15546-12-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin bis(C8 to C18 unsatd. fatty acyloxy) derivs.		85508-00-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Diisobutyltin oxide	ジイソブチル酸ジイソブチル	61947-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Di-n-butyltin bis(methyl maleate)	Di-n-ブチル[(1-メチル)マレイル]	15546-11-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Dibutyltin diisothiocyanate		15719-34-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Di-n-butyltin di(monobutyl)maleate	Di-n-ブチル[(1-ブチル)マレイル]	15546-16-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Di-n-butyltin di-2-ethylhexanoate	ジブチル[(2-エチルヘキシル)エステル]	2781-10-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Distannathiane, 1,3-dibutyl-1,3-dithio-		15666-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Tin, dibutyl(1,2-ethanediamine- N,N')bis(monoisooctyl 2-butenedioato-O')-	ジブチル(1,2-エチレンジアミン-N,N')ビス(イソオクチル2-ブテンジカレート)ジブチルジブチル	163206-28-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Tin, dibutyl[N-(carboxymethyl)-N-(2- hydroxyethyl)glycinato(2-)]-	ジブチル[N-(カルボキシルメチル)-N-(2-ヒドロキシエチル)グリシンジカレート(2-)]ジブチル	68239-46-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	ジブチルビス(2,4-ペンタジオンジカレート)ジブチル(IV)	22673-19-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●	●											●				
Tin, dibutylbis(methyl 3- mercaptopropanoato-O,S)-	ジブチルビス(3-メルカプトプロパノイルメチルジカレート)ジブチル	32011-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Tin, dibutylbis(N,N- diethylethanamine)difluoro-	ジブチルビス(N,N-ジエチルエタナミンジカレート)ジブチル	67924-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Diocetyl tin compounds, all members	ジオクチルスズ化合物、全て		Prohibited			D/P																	
Acetic acid,2,2'- [[diocetylstannylene]bis(thio)]bis-, 1,1'- diisooctyl ester	ジブチルビス(2,2'-[[ジオクチルスズ(チオ)ビス(イソオクチル)ビス(アセト)ジブチル]	26401-97-8	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Bis(dodecylthio)diocetyl stannane		22205-30-7	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
2-Butenedioic acid, 1,1'- (diocetylstannylene) 4,4'-diethyl ester		68109-88-6	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Di-n-octyltin bis(2-ethylhexyl maleate)		10039-33-5	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Diocetylbis(pentane-2,4-dionato-O,O')tin		54068-28-9	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Diocetylbis(stearoyloxy)stannane		22205-26-1	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●	●	●										●				
Diocetyl tin bis(isooctyl maleate)	ビス(イソオクチル)ビス(マレイン酸)ジブチル	33568-99-9	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Diocetyl tin dichloride	ジブチルジクロライド	3542-36-7	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P													●				
Diocetyl tin dilaurate		3648-18-8	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●	●											●				
Diocetyl tin maleate	ジブチル(マレイン酸)ジブチル	16091-18-2	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Diocetyl tin oxide, (Stannane, dioctyloxo- )	ジブチル(オキシ)ジブチル	870-08-6	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●																
Diocetyl tin dodecanoate		68299-15-0	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)diocetyl stannane		93925-43-0	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Stannane, dioctyl-, bis(coco acyloxy) derivs.		91648-39-4	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●	●											●			
Reaction mass of DOTE/MOTE	DOTEとMOTEの反応生成物	-	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		15571-58-1	Prohibited	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P	●	●	●											●		
2-ethylhexyl 10-ethyl-4-[[2-[[2-ethylhexyl]oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (MOTE)		27107-89-7	禁止	Adhesives and 2-component room temperature curing casting products of all applications and products that are in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials Tin concentration 1000	D/P																
Other Diorganotin compounds	その他のジ有機スズ化合物		Observation			D									●						●	
2-Ethylhexyl 10-ethyl-4,4-dimethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate		57583-35-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Dimethoxybis(pentane-2,4-dionato-O,O')tin	二メチルジペンタネ-2,4-ジオキソネート	66779-19-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Dimethyltin dichloride		753-73-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
1,4-Dioxane		123-91-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●													●	
Disodium octaborate, anhydrous		12008-41-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate	八水素化二ナトリウム四水化合物	12280-03-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
Disodiumtetraborates, selected	四ホウ酸二ナトリウム、抜粋		Observation			D/P																
Disodium Tetraborate, anhydrous	四ホウ酸ナトリウム(無水物)	1330-43-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●	●													●	
Disodium Tetraborate, pentahydrate	四ホウ酸ナトリウム5水和物	12179-04-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●	●													●	
Disodium Tetraborate, decahydrate	四ホウ酸ナトリウム10水和物(約砂)	1303-96-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●	●													●	
Tetraboron Disodium heptaoxide, hydrate	四ホウ酸二ナトリウム七水和物	12267-73-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●													●	
2,6-di-tert-butyl-p-cresol		128-37-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol		119-47-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●													●	
6,6'-di-tert-butyl-4,4'-thiodi-m-cresol		96-69-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2,5-di-tert-pentylhydroquinone		79-74-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2,2'-Dithiobis(benzothiazole)		120-78-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Dodecachloropentacyclo 1, 3, 4-Metheno-1H-cyclobutapentalene, Mirex	ドデカクロペンタシクロ[5.3.0.0(2,6).0(3,9).0(4,8)]ペンタレン、ミレックス	2385-85-5	Prohibited	All applications and products	Intentionally added	P						●						●		●	●	
1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene, all members			Prohibited			D P																
1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		13560-89-9	Prohibited	All applications and products except for aerospace and defense applications and medical imaging and radiation therapy equipment and facilities applications.	Intentionally added	D P	●	●										●		●		
1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		135821-74-8	Prohibited	All applications and products except for aerospace and defense applications and medical imaging and radiation therapy equipment and facilities applications.	Intentionally added	D P	●	●										●		●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca-7,15-diene		135821-03-3	Prohibited	All applications and products except for aerospace and defense applications and medical imaging and radiation therapy equipment and facilities applications.	Intentionally added	D P	●	●									●		●				
Dodecamethylcyclohexasiloxane (D6)		540-97-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●							●								
Dodecamethylpentasiloxane		141-63-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Epichlorohydrin (1-chloro-2,3-epoxypropane)	1-クロロエチレンオキシド	106-89-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●		●		
1,1'-(ethane-1,2-diyl)bis(pentabromobenzene)		84852-53-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●													●			
Ethane-1,2-diol		107-21-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●		
1,2-Bis(2,4,6-tribromo-phenoxy) ethane		37853-59-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●															
Ethanol, 2-(2-methoxyethoxy)-	2-(2-メトキシエトキシ)エタノール(DEGME)	111-77-3	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	D			●										●				
Ethyl-/ Methyl-glycols and their acetates	エチル・メチルグリコールおよびそのアセテート類		Prohibited			D/P																	
2-Methoxyethanol	2-メトキシエタノール	109-86-4	Prohibited	Prohibited as impurity in Diethylene glycol methyl ether and in hard parts	Prohibited ≥ 0.5% w/w in Diethylene glycol methyl ether. Any intentionally added content in hard parts	P		●											●	●	●		
Propanol, 2-methoxy-	2-メトキシプロパノール	1589-47-5	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	D													●				
EGDME		110-71-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●											●				
2-Ethoxyethanol	2-エトキシエタノール, 2-エトキシエタノール	110-80-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●		●		
2-Methoxyethyl acetate	2-メトキシエチルアセテート	110-49-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●		●		
Ethylbenzene		100-41-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●		
N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)		32588-76-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●																
Ethylenediamine	エチレンジアミン	107-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●															
Ethylene Glycol Monoethyl Ether Acetate		111-15-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●		●		
Ethylenethiourea/Imidazolidine-2-thione	2-イミダゾリジンチオン	96-45-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●											●		●		
Formaldehyde	ホルムアルデヒド	50-00-0	Prohibited	Applications and products for in-vehicle facilities	Intentionally added	D/P	●		●										●		●		
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine		93925-00-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●		●													
Glutaral; Glutaraldehyde; Pentane-1,5-dial; Pentanedial	グルタルアルデヒド	111-30-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●															
Hexachlorobenzene	ヘキサクロロベンゼン	118-74-1	Prohibited	All applications and products	Intentionally added	D/P							●					●	●	●	●		
Hexachloro-1,3-butadiene (HCBD)	ヘキサクロロ-1,3-ブタジエン (HCBD)	87-68-3	Prohibited	All applications and products	Intentionally added	P							●					●	●	●	●	●	
Hexachlorocyclohexane, gamma isomer, Lindane	ヘキサクロロシクロヘキサン	58-89-9	Prohibited	All applications and products	Intentionally added	P D							●					●					
Hexahydromethylphthalic-anhydride		25550-51-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●															
Hexahydro-1-methylphthalic anhydride		48122-14-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Hexahydro-3-methylphthalic anhydride		57110-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●															
Hexamethyldisiloxane		107-46-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
2-Hexyldecan-1-ol		2425-77-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Hydrazine	ヒドラーズ	302-01-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●		●		
Hydrobromofluorocarbons (HBFC's), all members	ハイドロフロモフルオロカーボン (HBFC) 、全て		Prohibited			P																	
1,2-Dibromo-1,1-difluoroethane	1,2-ジブromo-1,1-ジフルオロエタン	75-82-1	Prohibited	All applications and products	Intentionally added	P	●																
Dibromofluoromethane	ジブromoフルオロメタン	1868-53-7	Prohibited	All applications and products	Intentionally added	P	●																
C2H2F2Br2: 1,1-Dibromo-2,2-difluoroethane (Ethane, 1,1-Dibromo-2,2-difluoro-)	ジブromoジフルオロエタン	359-19-3	Prohibited	All applications and products	Intentionally added	P																	
Bromodifluoromethane	ブromoジフルオロメタン	1511-62-2	Prohibited	All applications and products	Intentionally added	P	●																
1-Bromo-2-fluoroethane	ブromoフルオロエタン	762-49-2	Prohibited	All applications and products	Intentionally added	P	●																
1-Bromo-3-fluoropropane (Propane, 1-Bromo-3-fluoro-)	ブromoフルオロプロパン	352-91-0	Prohibited	All applications and products	Intentionally added	P																	
3-Bromo-1,1,1-trifluoropropane (Propane, 3-Bromo-1,1,1-trifluoro-)	ブromoトリフルオロプロパン	460-32-2	Prohibited	All applications and products	Intentionally added	P																	
1,2-Dibromo-1-fluoroethane	ジブromoフルオロエタン	358-97-4	Prohibited	All applications and products	Intentionally added	P	●																
1,3-Dibromo-1,1-difluoropropane	ジブromoジフルオロプロパン	460-25-3	Prohibited	All applications and products	Intentionally added	P	●																
1,2-Dibromo-1,1,2-trifluoroethane	ジブromoトリフルオロエタン	354-04-1	Prohibited	All applications and products	Intentionally added	P	●																
2,3-Dibromo-1,1,1-trifluoropropane	ジブromoトリフルオロプロパン	431-21-0	Prohibited	All applications and products	Intentionally added	P	●																
1,1,1,2-tetrabromo-2-fluoro-ethane	テトラブromoフルオロエタン	353-93-5	Prohibited	All applications and products	Intentionally added	P																	
1,1,2,2-tetrabromo-1-fluoro-ethane	テトラブromoフルオロエタン	306-80-9	Prohibited	All applications and products	Intentionally added	P	●																
1,1,1-tribromo-2,2-difluoroethane	トリブromoジフルオロエタン	7304-53-2	Prohibited	All applications and products	Intentionally added	P																	
1,2,2-tribromo-1,1-difluoroethane	トリブromoジフルオロエタン	677-34-9	Prohibited	All applications and products	Intentionally added	P																	
1,1,2-tribromo-1,2-difluoroethane	トリブromoジフルオロエタン	353-97-9	Prohibited	All applications and products	Intentionally added	P																	
1,1,2-tribromo-1-fluoroethane	トリブromoフルオロエタン	420-88-2	Prohibited	All applications and products	Intentionally added	P																	
1,1,2-tribromo-2-fluoroethane	トリブromoフルオロエタン	598-67-4	Prohibited	All applications and products	Intentionally added	P																	
C2H3F2Br: Bromo-1,1-difluoroethane (Ethane, 2-bromo-1,1-difluoro- )	ブromoジフルオロエタン	359-07-9	Prohibited	All applications and products	Intentionally added	P																	
C3HFBr6		none	Prohibited	All applications and products	Intentionally added	P																	
C3HF2Br5		none	Prohibited	All applications and products	Intentionally added	P																	
C3HF3Br4		none	Prohibited	All applications and products	Intentionally added	P																	
C3HF4Br3	トリブromoフルオロエタン (HBFC-224 B3)	666-48-8	Prohibited	All applications and products	Intentionally added	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
C3H2FBr5		none	Prohibited	All applications and products	Intentionally added	P																	
C3H2F2Br4	フトリブレンジブロム化エタン(HBFC-232 B4)	148875-98-3	Prohibited	All applications and products	Intentionally added	P																	
1,2,2-Tribromo-3,3,3-trifluoropropane	トリブレントリフルオロエタン(HBFC-233 B3)	421-90-9	Prohibited	All applications and products	Intentionally added	P																	
1,3-Dibromo-1,1,1,3,3-tetrafluoropropane	ジブレンテトラフルオロエタン(HBFC-234 B2)	460-86-6	Prohibited	All applications and products	Intentionally added	P																	
1-bromo-1,1,2,2,2-pentafluoro-propane	ブロムペンタフルオロエタン	422-01-5	Prohibited	All applications and products	Intentionally added	P																	
2-bromo-1,1,1,2,3-pentafluoro-propane	ブロムペンタフルオロエタン	677-52-1	Prohibited	All applications and products	Intentionally added	P																	
1-bromo-1,1,2,2,3-pentafluoro-propane	ブロムペンタフルオロエタン	677-53-2	Prohibited	All applications and products	Intentionally added	P																	
2-bromo-1,1,1,3,3-pentafluoro-propane	ブロムペンタフルオロエタン	22692-16-6	Prohibited	All applications and products	Intentionally added	P																	
1-bromo-1,1,3,3,3-pentafluoro-propane	ブロムペンタフルオロエタン	460-88-8	Prohibited	All applications and products	Intentionally added	P	●																
1-bromo-1,2,2,3,3-pentafluoro-propane	ブロムペンタフルオロエタン	679-94-7	Prohibited	All applications and products	Intentionally added	P																	
2-bromo-1,1,2,3,3-pentafluoro-propane	ブロムペンタフルオロエタン	26391-11-7	Prohibited	All applications and products	Intentionally added	P																	
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*,S*)- (9CI)	ブロムペンタフルオロエタン	53692-43-6	Prohibited	All applications and products	Intentionally added	P																	
Propane, 3-bromo-1,1,1,2,3-pentafluoro-, (R*,R*)- (9CI)	ブロムペンタフルオロエタン	53692-44-7	Prohibited	All applications and products	Intentionally added	P																	
C3H3FBr4	フトリブレンテトラフルオロエタン(HBFC-241 B4)	148875-95-0	Prohibited	All applications and products	Intentionally added	P																	
1,2,3-Tribromo-3,3-difluoropropane	トリブレンジフルオロエタン	666-25-1	Prohibited	All applications and products	Intentionally added	P																	
2-bromo-1,1,3,3,3-tetrafluoro-propane	ブロムテトラフルオロエタン	19041-01-1	Prohibited	All applications and products	Intentionally added	P																	
2-bromo-1,3,3,3-tetrafluoropropane	ブロムテトラフルオロエタン	29151-25-5	Prohibited	All applications and products	Intentionally added	P																	
3-Bromo-1,1,2,2-tetrafluoropropane	ブロムテトラフルオロエタン	679-84-5	Prohibited	All applications and products	Intentionally added	P	●																
1-bromo-1,1,2,2-tetrafluoropropane	ブロムテトラフルオロエタン	70192-84-6	Prohibited	All applications and products	Intentionally added	P																	
1-bromo-1,2,2,3-tetrafluoro-propane	ブロムテトラフルオロエタン	70192-71-1	Prohibited	All applications and products	Intentionally added	P																	
3-bromo-1,1,1,3-tetrafluoropropane	ブロムテトラフルオロエタン	460-67-3	Prohibited	All applications and products	Intentionally added	P																	
C3H4FBr3	フトリブレントリフルオロエタン	75372-14-4	Prohibited	All applications and products	Intentionally added	P	●																
1,2-Dibromo-3-fluoropropane	ジブレントリフルオロエタン	453-00-9	Prohibited	All applications and products	Intentionally added	P																	
1,3-Dibromo-2-fluoropropane	ジブレントリフルオロエタン	1786-38-5	Prohibited	All applications and products	Intentionally added	P																	
1,3-Dibromo-1-fluoropropane	ジブレントリフルオロエタン	51584-26-0	Prohibited	All applications and products	Intentionally added	P	●																
1,2-Dibromo-1-fluoro-(R*,S*)-propane	ジブレントリフルオロエタン	62135-10-8	Prohibited	All applications and products	Intentionally added	P																	
1,2-Dibromo-1-fluoro-(R*,R*)-propane	ジブレントリフルオロエタン	62135-11-9	Prohibited	All applications and products	Intentionally added	P																	
2-bromo-1,1-difluoro-propane	ブロムジフルオロエタン	430-87-5	Prohibited	All applications and products	Intentionally added	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
1-bromo-1,1-difluoro-propane	ブロムフルオロプロパン	420-89-3	Prohibited	All applications and products	Intentionally added	P																		
1-bromo-2,2-difluoro-propane	ブロムフルオロプロパン	420-98-4	Prohibited	All applications and products	Intentionally added	P																		
2-bromo-1,3-difluoro-propane	ブロムフルオロプロパン	2195-05-3	Prohibited	All applications and products	Intentionally added	P																		
3-bromo-1,1-difluoro-propane	ブロムフルオロプロパン	461-49-4	Prohibited	All applications and products	Intentionally added	P																		
1-bromo-2,3-difluoro-propane	ブロムフルオロプロパン	111483-20-6	Prohibited	All applications and products	Intentionally added	P																		
1-Bromo-1,1-difluoroethane	ブロムフルオロエタン	420-47-3	Prohibited	All applications and products	Intentionally added	P	●																	
1-Bromo-1,1,2,2,3,3-hexafluoropropane	ブロムヘキサフルオロプロパン	2252-78-0	Prohibited	All applications and products	Intentionally added	P	●																	
2-Bromo-1,1,1-trifluoroethane	ブロムトリフルオロエタン	421-06-7	Prohibited	All applications and products	Intentionally added	P	●																	
Ethene, 2-bromo-1,1-difluoro-	2-ブロム-1,1-ジフルオロエチレン	359-08-0	Prohibited	All applications and products	Intentionally added	P																		
Propane, 1-bromo-2-fluoro-	ブロムフルオロプロパン	1871-72-3	Prohibited	All applications and products	Intentionally added	P	●																	
Bromotetrafluoroethane (HBFC-124 B1)		124-72-1	Prohibited	All applications and products	Intentionally added	-	●																	
Dibromopentafluoropropane (HBFC-225 B2)		431-78-7	Prohibited	All applications and products	Intentionally added	-	●																	
Tribromodifluoropropane (HBFC-242 B3)		70192-80-2	Prohibited	All applications and products	Intentionally added	-	●																	
Bromotrifluoropropane (HBFC-253 B1)		421-46-5	Prohibited	All applications and products	Intentionally added	-	●																	
Hydrochlorofluorocarbons (HCFC's), all members	ハイドロクロロフルオロカーボン (HCFC) 、全て		Prohibited			D/P																		
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)	1,1-ジクロロ-1,2,2-トリフルオロエタン	812-04-4	Prohibited	All applications and products	Intentionally added	D/P	●																	
1,2,2-Trichloro-1,1-difluoroethane	1,2,2-トリクロロ-1,1-ジフルオロエタン	354-21-2	Prohibited	All applications and products	Intentionally added	D/P	●																	
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)		354-23-4	Prohibited	All applications and products	Intentionally added	D/P	●																	
1,2-Dichloro-1,1-difluoroethane	1,2-ジクロロ-1,1-ジフルオロエタン	1649-08-7	Prohibited	All applications and products	Intentionally added	D/P	●																	
1,2-Dichloro-1,2-difluoroethane	1,2-ジクロロ-1,2-ジフルオロエタン	431-06-1	Prohibited	All applications and products	Intentionally added	D/P	●																	
2-chloro-1,3-difluoropropane	クロロフルオロプロパン (HCFC-262)	102738-79-4	Prohibited	All applications and products	Intentionally added	D/P	●																	
1,1-Dichloro-1,2,3,3,3-pentafluoropropane	ジクロロペンタフルオロプロパン	111512-56-2	Prohibited	All applications and products	Intentionally added	D/P	●																	
Tetrachlorodifluoropropane	テトラクロロフルオロプロパン (HCFC-232)	127564-82-3	Prohibited	All applications and products	Intentionally added	D/P																		
Trichlorodifluoropropane	トリクロロフルオロプロパン (HCFC-242)	127564-90-3	Prohibited	All applications and products	Intentionally added	D/P																		
Trichlorotetrafluoropropane	トリクロロテトラフルオロプロパン	127564-91-4	Prohibited	All applications and products	Intentionally added	D/P																		
2,2-Dichloro-1,1,1,3,3-pentafluoropropane	ジクロロペンタフルオロプロパン	128903-21-9	Prohibited	All applications and products	Intentionally added	D/P	●																	
Chlorotrifluoroethane	クロロトリフルオロエタン	1330-45-6	Prohibited	All applications and products	Intentionally added	D/P	●																	
Tetrachlorofluoropropane	テトラクロロフルオロプロパン (別名:HCFC-241)	134190-49-1	Prohibited	All applications and products	Intentionally added	D/P	●																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Trichlorofluoropropane	トリクロロフルオロプロパン(別名:HCFC-251)	134190-51-5	Prohibited	All applications and products	Intentionally added	D/P	●															
Hexachlorofluoropropane	ヘキサクロロフルオロプロパン(別名:HCFC-221)	134237-35-7	Prohibited	All applications and products	Intentionally added	D/P	●															
Pentachlorodifluoropropane	ペントクロロジフルオロプロパン	134237-36-8	Prohibited	All applications and products	Intentionally added	D/P	●															
Tetrachlorotrifluoropropane	テトラクロロトリフルオロプロパン(別名:HCFC-223)	134237-37-9	Prohibited	All applications and products	Intentionally added	D/P	●															
Trichlorotetrafluoropropane	トリクロロテトラフルオロプロパン	134237-38-0	Prohibited	All applications and products	Intentionally added	D/P	●															
Tetrachlorodifluoropropane	テトラクロロジフルオロプロパン(HCFC-232)	134237-39-1	Prohibited	All applications and products	Intentionally added	D/P	●															
Trichlorotrifluoropropane	トリクロロトリフルオロプロパン(別名:HCFC-233)	134237-40-4	Prohibited	All applications and products	Intentionally added	D/P	●															
Chloropentafluoropropane	クロロペンタフルオロプロパン(別名:HCFC-235)	134237-41-5	Prohibited	All applications and products	Intentionally added	D/P	●															
Trichlorodifluoropropane	トリクロロジフルオロプロパン(HCFC-242)	134237-42-6	Prohibited	All applications and products	Intentionally added	D/P	●															
Dichlorotrifluoropropane	ジクロロトリフルオロプロパン(別名:HCFC-243)	134237-43-7	Prohibited	All applications and products	Intentionally added	D/P	●															
Chlorotrifluoropropane	クロロトリフルオロプロパン(別名:HCFC-253)	134237-44-8	Prohibited	All applications and products	Intentionally added	D/P	●															
Dichlorofluoropropane	ジクロロフルオロプロパン(別名:HCFC-261)	134237-45-9	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1-Dichloro-1,2,2,3,3-pentafluoropropane	1,1-ジクロロ-1,2,2,3,3-ペンタフルオロプロパン(別名:HCFC-225)	13474-88-9	Prohibited	All applications and products	Intentionally added	D/P	●															
1,3-Dichloro-1,1,2,3,3-pentafluoropropane	1,3-ジクロロ-1,1,2,3,3-ペンタフルオロプロパン(別名:HCFC-225)	136013-79-1	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1-Dichloro-1,2-difluoroethane	1,1-ジクロロ-1,2-ジフルオロエタン	1842-05-3	Prohibited	All applications and products	Intentionally added	D/P	●															
Dichlorofluoroethane	ジクロロフルオロエタン(HCFC-141)	25167-88-8	Prohibited	All applications and products	Intentionally added	D/P	●															
Dichlorodifluoroethane	ジクロロジフルオロエタン(HCFC-132)	25915-78-0	Prohibited	All applications and products	Intentionally added	D/P	●															
Hexachlorofluoropropane	ヘキサクロロフルオロプロパン(別名:HCFC-221)	29470-94-8	Prohibited	All applications and products	Intentionally added	D/P	●															
Tetrachlorotrifluoropropane	テトラクロロトリフルオロプロパン(別名:HCFC-223)	29470-95-9	Prohibited	All applications and products	Intentionally added	D/P	●															
2,3-Dichloro-1,1,1-trifluoropropane		338-75-0	Prohibited	All applications and products	Intentionally added	D/P	●															
Trichlorodifluoroethane	トリクロロジフルオロエタン(HCFC-122)	41834-16-6	Prohibited	All applications and products	Intentionally added	D/P	●															
2-chloro-2-fluoropropane	2-クロロ-2-フルオロプロパン(別名:HCFC-271)	420-44-0	Prohibited	All applications and products	Intentionally added	D/P	●															
1,2-Dichloro-1,1,2,3,3-pentafluoropropane	1,2-ジクロロ-1,1,2,3,3-ペンタフルオロプロパン(別名:HCFC-225)	422-44-6	Prohibited	All applications and products	Intentionally added	D/P	●															
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	1,2-ジクロロ-1,1,3,3,3-ペンタフルオロプロパン(別名:HCFC-225)	127564-92-5	Prohibited	All applications and products	Intentionally added	P	●															
2,3-Dichloro-1,1,1,2,3-pentafluoropropane	2,3-ジクロロ-1,1,1,2,3-ペンタフルオロプロパン(別名:HCFC-225)	422-48-0	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1-Dichloro-2,2,3,3,3-pentafluoropropane	1,1-ジクロロ-2,2,3,3,3-ペンタフルオロプロパン(別名:HCFC-225)	422-56-0	Prohibited	All applications and products	Intentionally added	D/P	●															
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	1,2-ジクロロ-1,1,3,3,3-ペンタフルオロプロパン(別名:HCFC-225)	431-86-7	Prohibited	All applications and products	Intentionally added	D/P	●															
3-Chloro-1,1,1-trifluoropropane	3-クロロ-1,1,1-トリフルオロプロパン	460-35-5	Prohibited	All applications and products	Intentionally added	D/P	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
3,3-Dichloro-1,1,1-trifluoropropane	3,3-ジクロロ-1,1,1-トリフルオロプロパン	460-69-5	Prohibited	All applications and products	Intentionally added	D/P	●																
1-chloro-1,1,3,3,3-pentafluoropropane	1-クロロ-1,1,3,3,3-ペントフルオロプロパン	460-92-4	Prohibited	All applications and products	Intentionally added	D/P	●																
1,3-Dichloro-1,1,2,2,3-pentafluoropropane	1,3-ジクロロ-1,1,2,2,3-ペントフルオロプロパン(HCFC-225cb)	507-55-1	Prohibited	All applications and products	Intentionally added	D/P	●																
Trichlorotrifluoropropane	トリクロロトリフルオロプロパン(別名:HCFC-233)	61623-04-9	Prohibited	All applications and products	Intentionally added	D/P																	
3-Chloro-1,1,2,2-tetrafluoropropane	3-クロロ-1,1,2,2-テトラフルオロプロパン(別名:HCFC-244)	679-85-6	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1,1-Trichloro-3,3,3-trifluoropropane		7125-83-9	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1-Dichloro-1,2,2-trifluoropropane	ジクロロ-1,1,2,2-トリフルオロプロパン(別名:HCFC-243)	7125-99-7	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1-Dichloro-1-fluoropropane	ジクロロ-1,1-フルオロプロパン(HCFC-261)	7799-56-6	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1,3-trichloro-1-fluoropropane	トリクロロ-1,1,3-フルオロプロパン(HCFC-251)	818-99-5	Prohibited	All applications and products	Intentionally added	D/P	●																
Dichlorodifluoropropane	ジクロロジフルオロプロパン(別名:HCFC-252)	134190-52-6	Prohibited	All applications and products	Intentionally added	P	●																
Dichlorofluoropropane		127404-11-9	Prohibited	All applications and products	Intentionally added	P																	
Dichlorotetrafluoropropane	ジクロロテトラフルオロプロパン(別名:HCFC-234)	127564-83-4	Prohibited	All applications and products	Intentionally added	P	●																
Dichlorotrifluoropropane	ジクロロトリフルオロプロパン(別名:HCFC-243)	116890-51-8	Prohibited	All applications and products	Intentionally added	P																	
1,2-Dichloro-1-fluoroethane	ジクロロ-1,2-フルオロエタン(HCFC-141)	430-57-9	Prohibited	All applications and products	Intentionally added	D/P	●																
1,2-Dichloro-1-fluoroethylene	ジクロロ-1,2-フルオロエチレン(HCFC-141)	430-58-0	Prohibited	All applications and products	Intentionally added	D/P																	
1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	1-クロロ-1,1,2,2-テトラフルオロエタン(HCFC-124a)	354-25-6	Prohibited	All applications and products	Intentionally added	D/P	●																
1-Chloro-1,1-difluoroethane	1-クロロ-1,1-ジフルオロエタン(HCFC-142b)	75-68-3	Prohibited	All applications and products	Intentionally added	D/P	●																
Chlorodifluoroethanes	クロロジフルオロエタン(HCFC-142)	25497-29-4	Prohibited	All applications and products	Intentionally added	D/P	●																
Chlorodifluoromethane	クロロジフルオロメタン	75-45-6	Prohibited	All applications and products	Intentionally added	D/P	●																
Chlorofluoromethane	クロロフルオロメタン	593-70-4	Prohibited	All applications and products	Intentionally added	D/P	●																
Chlorotetrafluoroethane	クロロテトラフルオロエタン(HCFC-124)	63938-10-3	Prohibited	All applications and products	Intentionally added	D/P	●																
Dichlorofluoromethane	ジクロロフルオロメタン(別名:HCFC-21)	75-43-4	Prohibited	All applications and products	Intentionally added	D/P	●																
Dichlorotrifluoroethane	ジクロロトリフルオロエタン(HCFC-123)	34077-87-7	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, 1,1,1-trichloro-2-fluoro-	1,1,1-トリクロロ-2-フルオロエタン	2366-36-1	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, 1,1,2-trichloro-1-fluoro-	トリクロロ-1,1,2-フルオロエタン(HCFC-131)	811-95-0	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, 1,1,2-trichloro-2-fluoro-	1,1,2-トリクロロ-2-フルオロエタン	359-28-4	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, 1,1-dichloro-1-fluoro-	1,1-ジクロロ-1-フルオロエタン(HCFC-141b)	1717-00-6	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, 1,2-difluoro-1,1,2-trichloro-	1,1,2-ジフルオロ-1,1,2-トリクロロエタン	354-15-4	Prohibited	All applications and products	Intentionally added	D/P	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Ethane, 1-chloro-1,2-difluoro-	1,1-ジクロロ1,2-ジフルオロエタン(HCFC-142)	338-64-7	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, 2,2-dichloro-1,1,1-trifluoro-	2,2-ジクロロ1,1,1-トリフルオロエタン(HCFC-123)	306-83-2	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, 2-chloro-1,1,1,2-tetrafluoro-	2-クロロ1,1,1,2-テトラフルオロエタン(別名HCFC-124)	2837-89-0	Prohibited	All applications and products	Intentionally added	D/P	●																
Ethane, chloro-1,1-difluoro-	1,1-ジクロロ1,1-ジフルオロエタン	55949-44-5	Prohibited	All applications and products	Intentionally added	D/P																	
Ethane, monochlorodifluoro-	モノクロロ1,1-ジフルオロエタン	338-65-8	Prohibited	All applications and products	Intentionally added	D/P	●																
Trichlorofluoroethane	トリクロロフルオロエタン	27154-33-2	Prohibited	All applications and products	Intentionally added	D/P	●																
chlorodifluoropropane	1,1-ジクロロ1,1-ジフルオロプロパン(HCFC-262)	134190-53-7	Prohibited	All applications and products	Intentionally added	D/P	●																
chlorofluoroethane	1,1-ジクロロ1,1-ジフルオロエタン(HCFC-151)	110587-14-9	Prohibited	All applications and products	Intentionally added	D/P	●																
chlorofluoropropane		134190-54-8	Prohibited	All applications and products	Intentionally added	D/P	●																
chlorohexafluoropropane	1,1,1-トリクロロ1,1,1-トリフルオロプロパン(HCFC-226)	28987-04-4	Prohibited	All applications and products	Intentionally added	D/P																	
chloropentafluoropropane	1,1,1-トリクロロ1,1,1-トリフルオロプロパン(別名:HCFC-235)	108662-83-5	Prohibited	All applications and products	Intentionally added	D/P																	
chlorotetrafluoropropane	1,1,1-トリクロロ1,1,1-トリフルオロプロパン(別名:HCFC-244)	134190-50-4	Prohibited	All applications and products	Intentionally added	D/P	●																
chlorotrifluoropropane	1,1,1-トリクロロ1,1,1-トリフルオロプロパン(別名:HCFC-253)	26588-23-8	Prohibited	All applications and products	Intentionally added	D/P																	
chloro-1,1,1-trifluoroethane	1,1,1-トリクロロ1,1,1-トリフルオロエタン(別名:HCFC-133)	75-88-7	Prohibited	All applications and products	Intentionally added	D/P	●																
Pentachlorodifluoropropane	1,1,1-トリクロロ1,1,1-トリフルオロプロパン	116867-32-4	Prohibited	All applications and products	Intentionally added	D/P																	
Pentachlorofluoropropane	1,1,1-トリクロロ1,1,1-トリフルオロプロパン(HCFC-231)	134190-48-0	Prohibited	All applications and products	Intentionally added	D/P	●																
1-chloro-1,1,2-trifluoroethane	1,1,1-トリクロロ1,1,1-トリフルオロエタン(HCFC-133)	421-04-5	Prohibited	All applications and products	Intentionally added	D/P	●																
1-chloro-1,2,2-trifluoroethane	1,1,1-トリクロロ1,1,1-トリフルオロエタン(別名:HCFC-133)	431-07-2	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1-Dichloro-2-fluoroethane	1,1-ジクロロ2-フルオロエタン	430-53-5	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1-Dichloro-2,2-difluoroethane	1,1-ジクロロ2,2-ジフルオロエタン	471-43-2	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1,1,2-Tetrachloro-2-fluoroethane	1,1,1,2-テトラクロロ2-フルオロエタン(HCFC-121)	354-11-0	Prohibited	All applications and products	Intentionally added	D/P	●																
1,1,2,2-Tetrachloro-1-fluoroethane	1,1,2,2-テトラクロロ1-フルオロエタン	354-14-3	Prohibited	All applications and products	Intentionally added	D/P	●																
Tetrachlorofluoroethane (HCFC-121)		134237-32-4	Prohibited	All applications and products	Intentionally added	-	●																
1,1,1-Trichloro-2,2-difluoroethane (HCFC-122b)		354-12-1	Prohibited	All applications and products	Intentionally added	-	●																
Trichlorofluoroethane (HCFC-131)		134237-34-6	Prohibited	All applications and products	Intentionally added	-	●																
1-Chloro-2-fluoroethane (HCFC-151)		762-50-5	Prohibited	All applications and products	Intentionally added	-	●																
1-Chloro-1-fluoroethane (HCFC-151a)		1615-75-4	Prohibited	All applications and products	Intentionally added	-	●																
1,1,1,2,2,3-Hexachloro-3-fluoropropane		422-26-4	Prohibited	All applications and products	Intentionally added	-	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,1,1,3,3-pentachloro-2,2-difluoropropane (HCFC-222ca)		422-49-1	Prohibited	All applications and products	Intentionally added	-	●															
1,2,2,3,3-pentachloro-1,1-difluoropropane (HCFC-222aa)		422-30-0	Prohibited	All applications and products	Intentionally added	-	●															
1,1,3,3-Tetrachloro-1,2,2-trifluoropropane (HCFC-223ca)		422-52-6	Prohibited	All applications and products	Intentionally added	-	●															
1,1,1,3-Tetrachloro-2,2,3-trifluoropropane (HCFC-223cb)		422-50-4	Prohibited	All applications and products	Intentionally added	-	●															
1,1,3-Trichloro-1,2,2,3-tetrafluoropropane (HCFC-224cb)		422-53-7	Prohibited	All applications and products	Intentionally added	-	●															
1,1,1-Trichloro-2,2,3,3-tetrafluoropropane (HCFC-224cc)		422-51-5	Prohibited	All applications and products	Intentionally added	-	●															
Chlorohexafluoropropane (HCFC-226)		134308-72-8	Prohibited	All applications and products	Intentionally added	-	●															
2-Chloro-1,1,1,3,3,3-hexafluoro-propane (HCFC-226da)		431-87-8	Prohibited	All applications and products	Intentionally added	-	●															
1,1,1,2,3-pentachloro-2-fluoro-propane (HCFC-231bb)		421-94-3	Prohibited	All applications and products	Intentionally added	-	●															
1,1,1,3-Tetrachloro-3,3-difluoropropane (HCFC-232fc)		460-89-9	Prohibited	All applications and products	Intentionally added	-	●															
1,2-Dichloro-1,2,3,3-tetrafluoropropane (HCFC-234db)		425-94-5	Prohibited	All applications and products	Intentionally added	-	●															
1,1,2,3-Tetrachloro-1-fluoropropane (HCFC-241db)		666-27-3	Prohibited	All applications and products	Intentionally added	-	●															
1,3,3-Trichloro-1,1-difluoropropane (HCFC-242fa)		460-63-9	Prohibited	All applications and products	Intentionally added	-	●															
1-Chloro-1,1,2,2-tetrafluoropropane (HCFC-244cc)		421-75-0	Prohibited	All applications and products	Intentionally added	-	●															
1,1,2-Trichloro-1-fluoropropane (HCFC-251dc)		421-41-0	Prohibited	All applications and products	Intentionally added	-	●															
1,3-Dichloro-1,1-difluoropropane (HCFC-252fb)		819-00-1	Prohibited	All applications and products	Intentionally added	-	●															
1,2-Dichloro-2-fluoro-propane (HCFC-261ba)		420-97-3	Prohibited	All applications and products	Intentionally added	-	●															
1-Chloro-2,2-difluoropropane (HCFC-262ca)		420-99-5	Prohibited	All applications and products	Intentionally added	-	●															
1-Chloro-1,1-difluoropropane (HCFC-262fc)		421-02-3	Prohibited	All applications and products	Intentionally added	-	●															
1-Chloro-1-fluoropropane (HCFC-271fb)		430-55-7	Prohibited	All applications and products	Intentionally added	-	●															
Hydrofluorocarbons (HFC's), saturated, all members	ハイドロフルオロカーボン (HFC) 、飽和状態、全て		Prohibited			D/P																
1,1,1,2,2,3,3-Heptafluoropropane	1,1,1,2,2,3,3-ヘptaフルオロプロパン	2252-84-8	Prohibited	All applications and products	Intentionally added	D/P																
1,1,1,2,3,3-Hexafluoropropane	1,1,1,2,3,3-ヘキサフルオロプロパン	431-63-0	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1,1,2-Tetrafluoroethane	1,1,1,2-テトラフルオロエタン	811-97-2	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1,2,2-Tetrafluoroethane	1,1,2,2-テトラフルオロエタン	359-35-3	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1,2-Trifluoroethane	1,1,2-トリフルオロエタン	430-66-0	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1-Difluoroethane	1,1-ジフルオロエタン	75-37-6	Prohibited	All applications and products	Intentionally added	D/P	●															
1,2-Difluoroethane	1,2-ジフルオロエタン	624-72-6	Prohibited	All applications and products	Intentionally added	D/P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Difluoroethane	ジフルオロエタン	25497-28-3	Prohibited	All applications and products	Intentionally added	D/P																
Difluoromethane	ジフルオロメタン	75-10-5	Prohibited	All applications and products	Intentionally added	D/P	●															
Ethane, 1,1,1-trifluoro-	1,1,1-トリフルオロエタン	420-46-2	Prohibited	All applications and products	Intentionally added	D/P	●															
Ethane, pentafluoro-	ペントフルオロエタン	354-33-6	Prohibited	All applications and products	Intentionally added	D/P	●															
Ethyl fluoride	エチルフルオリド	353-36-6	Prohibited	All applications and products	Intentionally added	D/P																
Methyl fluoride	メチルフルオリド	593-53-3	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1,1,2,2-Pentafluoropropane	1,1,1,2,2-ペントフルオロプロパン	1814-88-6	Prohibited	All applications and products	Intentionally added	D/P																
1,1,1,3,3-Pentafluoropropane	1,1,1,3,3-ペントフルオロプロパン	460-73-1	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1,1,3,3-Pentafluorobutane	1,1,1,3,3-ペントフルオロブタン	406-58-6	Prohibited	All applications and products	Intentionally added	D/P	●															
Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-	1,1,1,2,2,3,4,5,5,5-デカフルオロペンタン	138495-42-8	Prohibited	All applications and products	Intentionally added	D/P	●															
Propane, 1,1,1,2,3,3,3-heptafluoro-	1,1,1,2,3,3,3-ヘプタフルオロプロパン	431-89-0	Prohibited	All applications and products	Intentionally added	D/P	●															
Propane, 1,1,1,3,3,3-hexafluoro-	1,1,1,3,3,3-ヘキサフルオロプロパン	690-39-1	Prohibited	All applications and products	Intentionally added	D/P	●															
Propane, hexafluoro-	ヘキサフルオロプロパン	27070-61-7	Prohibited	All applications and products	Intentionally added	D/P																
Trifluoroethane	トリフルオロエタン	27987-06-0	Prohibited	All applications and products	Intentionally added	D/P																
Trifluoromethane	トリフルオロメタン	75-46-7	Prohibited	All applications and products	Intentionally added	D/P	●															
1,1,2,2,3-Pentafluoropropane (HFC-245ca)		679-86-7	Prohibited	All applications and products	Intentionally added	-	●															
Indium tin oxide (ITO)		50926-11-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]		21850-44-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●															
1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene]		97416-84-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Isodecyl diphenyl phosphate		29761-21-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Isopropylphenyl phosphate		68937-41-7	Reduced	Products excluding lubricating oil and grease	Intentionally added	D	●															●
Lead and its compounds, all members	鉛およびその化合物、全て		Prohibited			D/P																
(2-Ethylhexanoato-O)(isodecanoato-O)lead	(2-エチルヘキサノエート-O)(イソデカノエート-O)鉛	94246-92-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
(2-Ethylhexanoato-O)(isononanoato-O)lead	(2-エチルヘキサノエート-O)(イソノナノエート-O) 鉛	94246-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
(2-Ethylhexanoato-O)(isooctanoato-O)lead	(2-エチルヘキサノエート-O)(イソオクタンエート-O) 鉛	94246-90-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
(2-Ethylhexanoato-O)(neodecanoato-O)lead	(2-エチルヘキサノエート-O)(ネオデカンエート-O) 鉛	94246-93-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
(Isodecanoato-O)(isononanoato-O)lead	(イソデカンエート-O)(イソノナノエート-O) 鉛	94246-86-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
(Isodecanoato-O)(isooctanoato-O)lead	(イソデカンエート-O)(イソオクタンエート-O) 鉛	94246-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
(Isodecanoato-O)(neodecanoato-O)lead	(イソデカンエート-O)(ネオデカンエート-O) 鉛	94246-87-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
(Isononanoato-O)(isoocanoato-O)lead	(イソノナノ酸-O)(イソオカ酸-O) 鉛	94246-84-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
(Isononanoato-O)(neodecanoato-O)lead	(イソノナノ酸-O)(ネオデカ酸-O) 鉛	94481-58-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
(Neononanoato-O)(neoundecanoato-O)lead	(ネオノナノ酸-O)(ネオウンデカ酸-O) 鉛	93894-64-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
.alpha.-D-Glucopyranose, 1-(dihydrogen phosphate), lead salt	α-D-グルコピラノース1-リン酸鉛	68901-12-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
[.mu.-[[5,5'-Dinitroresorcinolato(2-)- O1,O3]]dihydroxydilead	[μ-[[5,5'-ジニトロレゾルシノール(2-)-O1,O3]]二水酸化 二鉛	84837-22-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
[.mu.-[[5,5'-Azobis[1H-tetrazolato]](2- )]dihydroxydilead	[μ-[[5,5'-アゾビス[1H-テトラゾール]](2-)]二水素 二鉛	94015-57-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead salt	1,2,3-プロパントリカルボキシ酸、2-ヒドロキシ、鉛	14450-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3)	1,2,3-プロパントリカルボキシ酸(2:3) 鉛	512-26-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3), trihydrate	1,2,3-プロパントリカルボキシ酸(2:3)三水合物	6107-83-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
1,2-Benzenedicarboxylic acid, lead(2+) salt	1,2-ベンゼンジカルボキシ酸鉛	18608-34-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
1,2-Benzenedicarboxylic acid, lead(2+) salt, basic	塩基性1,2-ベンゼンジカルボキシ酸鉛(Ⅱ)塩	90193-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
1,3,5,7,9-Pentaoxa-2.lambda.2,4.lambda.2,6.lambda.2,8.lambda.2-tetraplumbacyclotridec-11-ene-10,13-dione, (Z)-	1,3,5,7,9-ペントオキサ-2,4,6,8-テトラプルムサイクソトリデセン-11-エネ-10,13-ジオン(Z)	12275-07-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, lead salt	1,3,5-トリアジン>2,4,6(1H,3H,5H)-トリオン鉛塩	54554-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
1,3-Benzenediol, 2,4,6-trinitro-, lead salt/Lead styphnate	スチフネート鉛	15245-44-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●		●	●							●				
1,3-Benzenediol, nitro-, lead(2+) salt (1:1)	1,3-ビス(ニトロ)フェノール>鉛(2+)塩(1:1)	70268-38-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
2,4-Cyclohexadien-1-one, 3,5,6-trihydroxy-4,6-bis(3-methyl-2-butenyl)-2-(3-methyl-2-oxobutyl)-, lead salt, (R)-	2,4-シクロヘキサジエン>1>オン>3,5,6>トリヒドロキシ>4,6>ビス(3>メチル>2>ブテンイル)>2>-(3>メチル>2>オキソブチル)>鉛(2+)塩(1:1)	68901-11-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
2-Butenedioic acid (E)-, lead salt	((E)-2>ブテン二酸)>鉛(2+)塩	13698-55-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
2-Butenedioic acid (E)-, lead(2+) salt, basic	塩基性2>ブテン二酸鉛	90268-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Butenedioic acid (Z)-, lead(2+) salt, basic	塩基性2-ブテン酸(Z) 鉛塩	90268-66-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
2-Propenoic acid, 2-methyl-, lead salt, basic	2-メチル-2-プロパノ酸鉛塩	90552-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, lead(2+) bis(2-methyl-2-propenoate) and .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl)	α-(2-メチル-2-プロパノ酸) 鉛(II) トロ-(2-メチル-1-オキソ-2-プロパノエート)-ω-[(2-メチル-1-オキソ-2-プロパノエート)オキシ]ポリ(オキシ-1,2-エタニドール)	68155-47-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
3-(Triphenylplumbyl)-1H-pyrazole	3-(トリフェニル鉛)-1H-ピラゾール	51105-45-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
7,11-Metheno-11H,13H-tetrazolo[1,5-c][1,7,3,5,2,6]dioxadiazadiplobacyclodocine, 5,5,13,13-tetrahydro-4,5-dihydro-15-tetranitro-	7,11-メチノ-11H,13H-テトラゾロ[1,5-c][1,7,3,5,2,6]ジオキサジアザジピロバシクロドシネン, 5,5,13,13-テトラヒドロ-4,5-ジヒドロ-15-テトラニトロ	19651-80-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
7-Methyloctanoic acid, lead salt	7-メチルオクタノ酸鉛	97952-39-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
9-Hexadecenoic acid, lead(2+) salt, (Z)-, basic	塩基性9-ヘキサデセン酸(Ⅱ)塩	90388-15-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
9-Octadecenoic acid (Z)-, lead salt	鉛(Ⅱ)酸(混合)	15347-55-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
9-Octadecenoic acid (Z)-, lead salt, basic	塩基性9-オクタデセン酸(Ⅱ)塩	90459-88-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Acetic acid, lead salt, basic	塩基性酢酸鉛	51404-69-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●											
Acetoxytributylplumbane	アセトキシトリブチル鉛	2587-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Acetoxytrimethylplumbane	アセトキシトリメチル鉛	5711-19-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Acetoxytriphenylplumbane	アセトキシトリフェニル鉛	1162-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Arsenic acid, lead (4+) salt	砒素鉛(4+)塩	53404-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Basic lead sulfite	塩基性亜硫酸鉛	12608-25-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivitives, lead(2+) salts	ベンゼン系硫酸鉛(II)塩(炭素数10-13の炭化水 素化合物誘導体)	84961-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Bis(diethyldithiocarbamato-S,S')lead	ビス(ジエチルチオカルバト-S,S')鉛	17549-30-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Bis(o-acetoxybenzoato)lead	ビス(o-アセトキシ安息香酸)鉛	62451-77-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Bis(pentane-2,4-dionato-O,O')lead	ビス(2,4-ペンタジオネート)鉛(Ⅱ)	15282-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Bismuth lead ruthenium oxide	酸化ビスマス鉛ルテニウム	65229-22-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Bismuth, compound with lead (1:1)	ビスマス鉛	12048-28-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, lead(2+) salt (1:1)	酒石酸鉛(Ⅱ)	815-84-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Carbamodithioic acid, ethylphenyl-, lead(2+) salt	ビス(1-エチルフェニル)チオチオ炭酸鉛	93892-65-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Carbonic acid, lead(2+) salt	炭酸鉛(Ⅱ)	25510-11-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Castor oil, dehydrated, polymer with rosin, calcium lead zinc salt	合成樹脂原料となる脱水化したひまし油のカルシウム鉛亜鉛油	68604-05-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Chlorotrimethylplumbane	トリメチル鉛	1520-78-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Chlorotriphenylplumbane	トリフェニル鉛	1153-06-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead sulfochromate yellow(C.I. Pigment Yellow 34)	硫酸鉛黄色 (C.I. Pigment Yellow 34)	1344-37-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●	●	●	●							●			
Chromium lead oxide	鉛酸クロム酸鉛	11119-70-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Chromium lead oxide sulfate, silica-modified	変性ケイ酸硫酸鉛酸鉛	116565-74-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
C.I. Pigment Orange 21	ヒキアザノオレンジ 21	1344-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Copper, .beta.-resorcylate salicylate lead complexes	β-リゾリソルシリン酸銅鉛の混合物	68411-07-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Cyclohexanebutanoic acid, lead(2+) salt	シクロヘキサノ酸鉛(II) 塩	62637-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Decanoic acid, branched, lead salts	分岐型デカノ酸鉛塩	90342-24-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Decanoic acid, lead salt	デカノ酸鉛(混合)	20403-42-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Diacetoxydiphenylplumbane	ジアセトキシフェニル鉛酸塩	6928-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Diamyldithiocarbamate, lead	ジアルキルチオカルバミン酸鉛	109707-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Diantimony lead tetroxide	二アンチモン鉛四酸化物	16450-50-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Dibasic lead stearate	トリスチアリン酸二鉛	56189-09-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Dibismuth dilead tetraeruthenium tridecaoxide	ビスマス二鉛三ルテチウム三酸化物	11116-83-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Dilead chromate dihydroxide	水酸化クロム酸二鉛	12017-86-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Dilead dirhodium heptaoxide	二鉛二ロウム七酸化物	37240-96-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Diphenyllead dichloride	ジフェニル鉛ジクロライド	2117-69-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Diplumbane, hexaethyl-	ヘキサエチル二鉛酸塩	2388-00-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Diplumbane, hexaphenyl-	ヘキサフェニル二鉛酸塩	3124-01-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Docosanoic acid, lead salt	ドコサノ酸鉛	3249-61-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Dodecanoic acid, lead salt, basic	塩基性ドデカノ酸鉛塩	90342-56-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Dodecanoic acid, lead(2+) salt	ドデカノ酸鉛(II)	15773-55-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Fatty acids, C12-18, lead salts	脂肪酸鉛塩(炭素数12-18)	68131-60-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C14-26, lead salts	脂肪酸鉛塩(炭素数14-26)	93165-26-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C16-18, lead salts	脂肪酸鉛塩(炭素数16-18)	91031-62-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											
Fatty acids, C18-24, lead salts	脂肪酸鉛塩(炭素数18-24)	84776-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C4- 20-branched, lead salts	脂肪酸鉛の塩(炭素数4-20)	125328-49-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C6- 19-branched, lead salts	分岐型脂肪酸鉛塩(炭素数6-19)	91002-20-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Fatty acids, C8-10, lead salts	脂肪酸鉛塩(炭素数C8-10)	91031-61-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C8-10-branched, lead salts	分岐型脂肪酸鉛塩(炭素数8-10)	85049-42-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C8-10-branched, lead salts, basic	塩基性鉛/脂肪酸(炭素数8-10 /分岐型)	68409-79-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C8-12, lead salts	脂肪酸鉛塩(炭素数8-12)	84776-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C8-18 and C18-unsaturated, lead salts	脂肪酸鉛塩(炭素数8-18及び18個/不飽和物)	84776-36-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Fatty acids, C8-9, lead salts	脂肪酸鉛塩(炭素数C8-9)	91031-60-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fatty acids, C9-11-branched, lead salts	分岐型脂肪酸(炭素数9-11)鉛塩	81412-57-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Fatty acids, castor-oil, hydrogenated, lead salts	水素化したひまし油の脂肪酸鉛塩	91697-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Fatty acids, coco, lead salts	ココ油の脂肪酸鉛塩	92044-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Fatty acids, tall-oil, lead manganese salts	脂肪酸トール油ワグン塩	61788-53-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Fatty acids, tall-oil, lead salts	脂肪酸トール油鉛塩	61788-54-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Fatty acids, tallow, reaction products with lead oxide	酸化鉛により反応生成される獣脂の脂肪酸	94349-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Flue dust, lead blast furnace	鉛高炉中の煙塵	70514-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Formic acid, lead salt	酢鉛塩	7056-83-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Gilsonite, polymer with linseed oil, lead salt	アクリル樹脂の鉛化合物	68989-89-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, lead(2+) sodiumsalt (1:1:2)	N,N'-1,2-エタンジイルビス[N-(カルボキシル)カルシウム]鉛(Ⅱ),ナトリウム(1:1:2)	22904-40-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Hafnium lead trioxide	酸化鉛ハフニウム	12029-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Hexacosanoic acid, lead salt	ヘキサコザン酸鉛塩	94006-20-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Hexadecanoic acid, lead salt, basic	塩基性ヘキサン酸鉛塩	90388-09-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Hexadecanoic acid, lead(2+) salt, basic	塩基性ヘキサン酸鉛(Ⅱ) 塩	90388-10-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Hexanoic acid, 2-ethyl-, lead(2+) salt	2-エチルヘキサン酸鉛(Ⅱ)	301-08-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Hexanoic acid, 3,5,5-trimethyl-, lead salt	3,5,5-トリメチルヘキサン酸鉛(混合)	23621-79-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Hydroxy(neodecanoato-O)lead	ネオデカノイル酸水酸化鉛	71753-04-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Iron lead oxide (Fe12PbO19)	酸化鉄鉛(Fe12PbO19)	12023-90-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Isoodecanoic acid, lead salt, basic	塩基性イソデカノ酸鉛塩	90431-14-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Isoodecanoic acid, lead(2+) salt, basic	塩基性イソデカノ酸鉛(Ⅱ)塩	91671-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Isononanoic acid, lead salt	イソノナノ酸鉛(混合)	27253-41-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Isononanoic acid, lead salt, basic	塩基性イソノナノ酸鉛塩	90431-21-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Isooctanoic acid, lead salt	イソオクタノ酸鉛(混合)	64504-12-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Isooctanoic acid, lead salt, basic	塩基性イソオクタノ酸鉛塩	90431-26-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Isooctanoic acid, lead(2+) salt, basic	塩基性イソオクタノ酸鉛(Ⅱ)塩	91671-83-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Isoundecanoic acid, lead(2+) salt, basic	塩基性イソウンデカノ酸鉛(Ⅱ)塩	91671-84-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lauric acid, lead salt	ラウリン酸鉛(混合)	15306-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Leach residues, lead slag	鉛スラグ中の鉛残留物	69029-71-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead	鉛	7439-92-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●							●				
Lead (II) acetate, trihydrate	酢酸鉛三水和物	6080-56-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead (II) methylthiolate	メチルチオ鉛(Ⅱ)	35029-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead (IV) acetate	酢酸鉛(Ⅳ)	546-67-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead borosilicate Pb5B2SiO10		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●		●								●	
Lead 12-hydroxyoctadecanoate	12-ヒドロキステアリン酸鉛	65127-78-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead 2,4-dihydroxybenzoate	2,4-ジヒドロキシ安息香酸鉛(混合)	20936-32-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead 2-ethylhexoate	2-エチルヘキシル酸鉛(混合)	16996-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead 3-(acetamido)phthalate	3-(アセチルアミノ)フタル酸鉛	93839-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead 5-nitroterephthalate	5-ニトロフタル酸鉛	60580-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead acetate	酢酸鉛(混合)	15347-57-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead acetate	酢酸鉛(混合)	301-04-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●							●		●		
Lead acrylate	アクリル酸鉛	14466-01-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead alloy, dross	トイ中の鉛合金	69011-59-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead alloy, Pb,Sn, dross	ルガト <sup>®</sup> の鉛合金	69011-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead antimonate	アンチモン酸鉛	13510-89-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead antimonide	アンチモン鉛	12266-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead arsenate	ヒ酸鉛	3687-31-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●											
Lead arsenate	ヒ酸鉛	7784-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●							●				
Lead arsenate (Pb3(AsO4)2)	ヒ酸鉛(ii)	10102-48-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead arsenate, unspecified	砒酸鉛(混合)	7645-25-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead arsenite	亜砒酸鉛	10031-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead azide	アゾ化鉛(Ⅱ)	13424-46-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●							●				
Lead benzoate	安息香酸鉛(混合)	15907-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(12-hydroxystearate)	ジステアリン酸鉛	58405-97-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(2-ethylhexanoate)	鉛(Ⅱ)ビス(2-エチルヘキシル酸)	93840-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead bis(3,5,5-trimethylhexanoate)	鉛(II)ビス(3,5,5-トリメチルヘキサノ酸)	35837-70-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(5-oxo-DL-prolinate)	鉛(II)ビス(5-オキソ-L-プロリン酸)	85392-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(5-oxo-L-prolinate)	鉛(II)ビス(5-オキソ-L-プロリン酸)	85392-77-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(isononanoate)	鉛(II)ビス(イソノナノ酸)	52847-85-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(isoundecanoate)	イソウンデカ酸鉛(II)	93965-29-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(nonylphenolate)	ノニルフェノール鉛(II)塩	72586-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead bis(piperidine-1-carbodithioate)	鉛(1-ピペリジン-1-カルボジチオアト-S,S) 鉛	41556-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(p-octylphenolate)	鉛(p-オクチルフェノール) 鉛	84394-98-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(tetracosylbenzenesulphonate)	鉛(テトラコシルベンゼンスルホン酸) 鉛	85865-91-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(tricosanoate)	鉛(トリコサン酸) 鉛	93966-37-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bis(didodecylbenzenesulphonate)	鉛(ジドデシルベンゼンスルホン酸) 鉛	85865-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead borate	硼酸鉛(II)	14720-53-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead b-resorcylate	2,4-ジヒドロキシアリール安息香酸鉛(II)	41453-50-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead bromide (PbBr2)	臭化鉛(Ⅱ)	10031-22-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead carbonate	炭酸鉛(Ⅱ)	598-63-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●											
Lead chloride	塩化鉛(Ⅱ)	7758-95-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead chloride (V.A.N.)	塩化鉛(V.A.N.)	12612-47-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead chloride oxide	塩化鉛酸化物	12205-72-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead chromate	クロム酸鉛	7758-97-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●	●	●								●			
Lead chromate oxide	塩基性クロム酸鉛	18454-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead chromate silicate	ケイ酸クロム酸鉛	11113-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead chromate silicate (Pb3(CrO4)(SiO4))	ケイ酸クロム酸鉛	69011-07-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead chromate sulfate (Pb9(CrO4)5(SO4)4)	硫酸鉛クロム酸 (Pb9(CrO4)5(SO4)4)	51899-02-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead cyanamidate	シアニド鉛	20890-10-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead cyanamide	シアンミド鉛(II)	20837-86-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											
Lead cyanamide	シアンミド鉛(II)	35112-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead cyanide	シアン化鉛(II)	592-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dibenzoate	安息香酸鉛	873-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dibromate	二臭素酸鉛(II)	34018-28-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dibutanolate	鉛(II)ジ(1-ブタンオレート)	65119-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead dibutyrate	酪酸鉛	819-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead didocosanoate	ドコサノ酸鉛(II)	29597-84-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dihexanoate	ヘキサノ酸鉛(II)	15773-53-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dilactate	乳酸鉛(Ⅱ)	18917-82-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dilinoleate	リノール酸鉛(II)	33627-12-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dimethyldithiocarbamate	ジメチルジチオカルバミン酸鉛	19010-66-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead dimyristate	ミリスチン酸鉛	32112-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dipalmitate	パルミチン酸鉛	15773-56-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead diphosphinate	ホスフィン酸鉛(Ⅱ)	10294-58-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead dipicrate	ピクリン酸鉛	6477-64-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●			●	●											
Lead dipropionate	プロピオン酸鉛(Ⅱ)	814-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead disulphamidate	スルファミド酸鉛(Ⅱ)	13767-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead disulphide	硫化鉛	12137-74-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead diundec-10-enoate	トリス(10-ウンデコ酸)鉛(Ⅱ)	94232-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead fluoroborate	テトラフルボロ酸鉛(Ⅱ)	13814-96-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●											
Lead fluoride	フッ化鉛	7783-46-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead fluoride hydroxide	水酸化フッ化鉛	97889-90-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead fluorosilicate	ケイフッ化鉛二水和物	25808-74-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●							●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead formate	酢酸鉛	811-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead germanate	ケルマゲル酸鉛	12435-47-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead hexafluorosilicate	ヘキサフルオロケルマゲル酸鉛(Ⅱ)	1310-03-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead hydroxide	水酸化鉛	19783-14-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead hydroxide	水酸化鉛	39345-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead hydroxide nitrate	水酸化鉛窒化物	12268-84-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead hydroxysalicylate	水酸化リチル鉛	87903-39-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead icosanoate	イソカネ酸鉛	94266-32-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead icosanoate (1:2)	イソカネ酸鉛( 2:1)	94266-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead iodate	ヨウ素酸鉛	25659-31-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead iodide	ヨウ化鉛	10101-63-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead isophthalate	イソフタル酸鉛	38787-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead linoleate	リノール酸鉛	16996-51-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead malate	ヒトキシリック酸鉛	816-68-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead maleate	(Z)-2-ブテン酸鉛	19136-34-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead methacrylate	ヒトメタクリル酸鉛(Ⅱ)	1068-61-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead methacrylate	ヒトメタクリル酸鉛(Ⅱ)	52609-46-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead molybdate	モリブデン酸鉛(Ⅱ)	10190-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead monoxide	一酸化鉛	1317-36-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●										
Lead myristate	ミリスチン酸鉛	20403-41-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead naphthalate	ナフthalen酸鉛	50825-29-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead naphthenate	ナフthen酸鉛	61790-14-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead neobate	ネオバ酸鉛(Ⅱ)	12034-88-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead neodecanoate	ネオデカ酸鉛(混合)	27253-28-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead nitrate	硝酸鉛	10099-74-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●										
Lead nitroresorcinate	ニトロリソル酸鉛	51317-24-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead oleate	オレイン酸鉛	1120-46-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead oxalate	オキソ酸鉛(Ⅱ)	814-93-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead oxide	酸化鉛	1335-25-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											
Lead oxide (Pb2O)	酸化鉛	12059-89-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead oxide (PbO), lead-contg.	鉛含有の酸化鉛	68411-78-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead oxide (PbO), retort	熔融物中の酸化鉛	69029-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead oxide phosphonate (Pb3O2(HPO3))	二塩基性/酸鉛	12141-20-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											
Lead oxide phosphonate, hemihydrate	半水/酸鉛(II)	1344-40-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead oxide sulfate	酸化硫酸鉛	12765-51-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead oxide sulfate (Pb2O(SO4))	一塩基性硫酸鉛	12036-76-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead oxide sulfate (Pb4O3(SO4))	三塩基性硫酸鉛	12202-17-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											
Lead oxide sulfate (Pb5O4(SO4))	硫酸四酸化五鉛	12065-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											
Lead palmitate	パルミチン酸鉛(混合)	19528-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead pentadecanoate	ペンタデカン酸鉛(混合)	93966-74-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead perchlorate	過塩素酸鉛(Ⅱ)	13637-76-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●											
Lead peroxide	二酸化鉛	1309-60-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead phosphate	リン酸鉛	7446-27-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●			●	●							●		●	
Lead phthalate	フタル酸鉛	16183-12-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●			●	●										
Lead phthalate	フタル酸鉛	6838-85-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●			●	●										
Lead picrate	ピクリン酸鉛	25721-38-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●			●	●										
Lead propionate	プロピオン酸鉛	42558-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●			●	●										
Lead pyrophosphate	ピロリン酸鉛	13453-66-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●			●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead ruthenium oxide (PbRuO3)	ルテニウム酸鉛	37194-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead sebacate	セバケート酸鉛	29473-77-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead selenate	セレン酸鉛(Ⅱ)	7446-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead selenide (PbSe)	セレン化鉛(Ⅱ)	12069-00-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	P	●		●		●	●											
Lead selenite	亜セレン化鉛	7488-51-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead silicate	ケイ酸鉛	11120-22-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead silicate	ケイ酸鉛	13566-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead silicate	ケイ酸鉛	22569-74-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead silicate sulfate	硫酸ケイ酸鉛	12687-78-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead silicate sulfate	硫酸ケイ酸鉛	67711-86-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead stearate	ステアリン酸鉛(C18H36O2.xPb)	7428-48-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead stearate dibasic	二塩基性ステアリン酸鉛	52652-59-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead subacetate	塩基性酢酸鉛	1335-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●							●		●	
Lead succinate	コハク酸鉛	1191-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead sulfate	硫酸鉛(SO4 xPb)	15739-80-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●										
Lead sulfate	硫酸鉛(SO4 xPb)	7446-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●										
Lead sulfate, tribasic	塩基性硫酸鉛	12397-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead sulfide (PbS)	硫化鉛	1314-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead sulfomolybdochromate, silica encapsulated	ケイ酸入りモリブドクロム酸鉛	116565-73-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead tantalate	タンタル酸鉛(Ⅱ)	12065-68-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead telluride	テルル化鉛(Ⅱ)	1314-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead tellurite	亜テルル酸鉛	13845-35-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead tetrachloride		13463-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead tetracosanoate	テトラコサノ酸鉛(混合)	93966-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead tetraoxide	酸化鉛	1314-41-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●										
Lead thiocyanate	チオシアネート鉛(Ⅱ)	592-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead thiosulfate	チオ硫酸鉛	13478-50-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead tin oxide (PbSnO3)	酸化スズ鉛	12036-31-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead titanium oxide (PbTiO3)	チタン酸鉛	12060-00-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●										
Lead titanium zirconium oxide (Pb(Ti,Zr)O3)	ジルコニウムチタン酸鉛	12626-81-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead trioxide	三酸化鉛(IV)鉛(Ⅱ)	1314-27-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead tungsten oxide	タングステン酸鉛(Ⅱ)	7759-01-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead tungsten oxide	タングステン酸鉛(Ⅱ)	12737-98-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead vanadate	バナツウム酸鉛	10099-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead zirconate	ジルコニウム酸鉛(Ⅱ)	12060-01-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead(2+) (R)-12-hydroxyoleate	リシノール酸鉛(Ⅱ)	13094-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead(2+) (Z)-hexadec-9-enoate	(Z)-ヘキサデカ-9-エン-1-オール鉛(Ⅱ)	93858-24-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) 2,4-dinitroresorcinolate	2,4-ジニトロリゾルシン酸鉛(Ⅱ)	13406-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) 4-(1,1-dimethylethyl)benzoate	4-(1,1-ジメチルエチル)安息香酸鉛(Ⅱ)	85292-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) 4,4'-isopropylidenebisphenolate	4,4'-イソプロピリデンビスフェノール酸鉛	93858-23-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) 4,6-dinitro-o-cresolate	4,6-ジニトロ-ortho-クレゾール酸鉛	65121-76-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) acrylate	アクリル酸鉛	867-47-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead(2+) decanoate	デカノ酸鉛(Ⅱ)	15773-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) heptadecanoate	ヘプタデカノ酸鉛(Ⅱ)	63399-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) isohexadecanoate	イソヘキサデカノ酸鉛(Ⅱ)	95892-13-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) isoctadecanoate	イソオクタデカノ酸鉛(Ⅱ)	70727-02-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) neodecanoate	ネオデカノ酸鉛(Ⅱ)	71684-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) neononanoate	ネオノナノ酸鉛(Ⅱ)	93894-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead(2+) neoundecanoate	ネオウンデカン酸鉛(II)	93894-49-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(2+) octanoate	オクタン酸鉛(II)	7319-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(4+) stearate	ステアリン酸鉛(IV)	7717-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(II) fumarate	フマル酸鉛(II)	71686-03-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(II) isodecanoate	イソデカン酸鉛(II)	84852-34-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(II) isoocanoate	イソオクタン酸鉛(II)	93981-67-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead(II) maleate	マレイン酸鉛(Ⅱ)	17406-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead(IV) fluoride	フッ化鉛(Ⅳ)	7783-59-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, (2-methyl-4,6-dinitrophenolato- O1)(nitrato-O)-.mu.-oxodi-, monohydrate	μ-メチル-(2-メチル-4, 6-ジニトロフェノート-O1)(ニトロ-O) 鉛一水和物	79357-62-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, [.mu.-[1,2-benzenedicarboxylato(2- )-O1:O2]]di-.mu.-oxotri-, cyclo-	シクロ[1, 2-ベンゼンジカルボキシ(2-) 鉛三水和物]	17976-43-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, [1,2-benzenedicarboxylato(2- )]dioxotri-	二酸化鉛三水和物	69011-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											
Lead, [1,2-benzenedicarboxylato(2- )]oxodi-	二塩基性二酸化鉛	57142-78-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-	フタロシアニン鉛	15187-16-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, 2-ethylhexanoate isodecanoate complexes, basic	塩基性2-エチルヘキサン酸、イデカノ酸混合物中の鉛	90431-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, 2-ethylhexanoate isononanoate complexes, basic	塩基性2-エチルヘキサン酸、イソノナン酸混合物中の鉛	90431-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, 2-ethylhexanoate isoctanoate complexes, basic	塩基性2-エチルヘキサン酸、イソオクタン酸混合物中の鉛	90431-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, 2-ethylhexanoate naphthenate complexes	2-エチルヘキサン酸、ナフテン酸混合物中の鉛	90431-33-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, 2-ethylhexanoate naphthenate complexes, basic	塩基性2-エチルヘキサン酸、ナフテン酸混合物中の鉛	90431-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, 2-ethylhexanoate neodecanoate complexes, basic	塩基性2-エチルヘキサン酸、ネオデカノ酸混合物中の鉛	90431-35-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Lead, 2-ethylhexanoate tall-oil fatty acids complexes	鉛含有の2-エチルヘキサン酸と脂肪酸トール油の混合物	68187-37-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Lead, alkyls, manufacturing wastes	廃鉱石中の7種鉛	70513-89-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Lead, antimonial	アンチモン化鉛	69029-50-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Lead, antimonial, dross	鉛中のアンチモン化鉛	69029-51-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											
Lead, bis(2-hydroxybenzoato-O1,O2)-, (T-4)-	ビス(2-ヒドロキシベンゾエート)-鉛	15748-73-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, bis(dipentylcarbomothioato-S,S')-(T-4)-	ビス(ジペンチルカルボチオート-S,S')鉛	36501-84-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●												
Lead, bis(diphenylcarbomothioato-S,S')-(T-4)-	ビス(ジフェニルカルボチオート-S,S')鉛	75790-73-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●												
Lead, bis(octadecanoato)dioxotri-	ジオクタデカノート(ス)三鉛	12578-12-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											
Lead, bullion	金鉱石中の鉛	97808-88-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, C3-13-fatty acid naphthenate complexes	脂肪酸(炭素数3-13)とナフテン酸混合物との鉛化合物	79803-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, C4-10-fatty acid naphthenate complexes	脂肪酸(炭素数4-10). ナフテン酸混合物中の鉛	84067-00-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, C4-10-fatty acid octanoate complexes	脂肪酸(炭素数4-10)、脂肪酸混合物中の鉛	92200-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, C5-23-branched carboxylate C4-10- fatty acid complexes	分岐型脂肪酸(炭素数5-23)、脂肪酸(炭素数4- 10)混合物中の鉛	84066-98-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, C5-23-branched carboxylate C4-10- fatty acid naphthenate complexes	分岐型脂肪酸(炭素数5-23)、脂肪酸(炭素数4- 10)、脂肪酸の混合物の鉛塩	83711-45-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, C5-23-branched carboxylate naphthenate complexes	分岐型脂肪酸(炭素数5-23)、脂肪酸の混合物の 鉛塩	83711-46-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, C5-23-branched carboxylate naphthenate octanoate complexes	分岐型脂肪酸(炭素数5-23)、脂肪酸、脂肪酸の 混合物の鉛塩	83711-47-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, C5-23-branched carboxylate octanoate complexes	分岐型脂肪酸(炭素数5-23)、脂肪酸混合物中 の鉛	84066-99-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Lead, C6-19-branched carboxylate naphthenate complexes	分岐型カルボン酸(炭素数6-19)とナフテン酸の混合物中の鉛	70084-67-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes	分岐型脂肪酸(炭素数8-10)、新脂肪酸(炭素数9-11)、ナフテン酸混合物中の鉛	90431-28-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased	分岐型脂肪酸(炭素数8-10)、新脂肪酸(炭素数9-11)、ナフテン酸混合物中の鉛(過塩基性)	90431-27-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead, C9-28-neocarboxylate 2-ethylhexanoate complexes, basic	塩基性鉛、ネオカルボン酸(炭素数9-28)と2-エチルヘキサン酸混合物	125494-56-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead, decanoate octanoate complexes	デカン酸トカノ酸混合物中の鉛	70321-55-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Lead, di-.mu.-hydroxy(2-methyl-4,6-dinitrophenolato-O1)(nitrato-O)di-	ジ-μ-ヒドロキシ(2-メチル-4,6-ジニトロフェノール-O1)(硝酸-O)二鉛	96471-22-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, dihydroxy[2,4,6-trinitro-1,3-benzenediolato(2-)]di-	ジヒドロキソ[2,4,6-トリニトロ-1,3-ベンゼンジオリート(2-)]ジニ	12403-82-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, dross	鉛中の鉛	69029-52-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, dross, antimony-rich	アンチモン豊富な鉛入り鉛	69029-45-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, dross, bismuth-rich	ビスマス豊富な鉛入り鉛	69029-46-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, dross, copper-rich	銅豊富な鉛中の鉛	69227-11-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, dross, vanadium-zinc-containing	バナジウム-亜鉛合金に含有する鉛状鉛	100656-49-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, isodecanoate isononanoate complexes, basic	塩基性イデカ酸、イソノナ酸混合物中の鉛	90431-36-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isodecanoate isooctanoate complexes, basic	塩基性イデカ酸、イソオクタン酸混合物中の鉛	90431-37-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isodecanoate naphthenate complexes	イデカ酸、ナフタン酸混合物中の鉛	90431-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isodecanoate naphthenate complexes, basic	イデカ酸鉛とナフタン酸鉛の混合物	101012-92-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isodecanoate neodecanoate complexes, basic	塩基性イデカ酸、ネオデカ酸混合物中の鉛	90431-39-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isononanoate isooctanoate complexes, basic	塩基性イソノナ酸とイソオクタン酸混合物中の鉛	84929-94-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, isononanoate naphthenate complexes	イリカ酸とナフテン酸混合物の鉛	84929-97-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isononanoate naphthenate complexes, basic	塩基性イリカ酸、ナフテン酸混合物中の鉛	90431-40-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isononanoate neodecanoate complexes, basic	塩基性イリカ酸、ネオデカ酸混合物中の鉛	90431-41-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isooctanoate naphthenate complexes	イリカ酸とナフテン酸の混合物にある鉛	68515-80-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isooctanoate naphthenate complexes, basic	塩基性イリカ酸、ナフテン酸混合物中の鉛	90431-42-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, isooctanoate neodecanoate complexes	イリカ酸鉛とネオデカ酸鉛の混合物	101013-06-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, isoctanoate neodecanoate complexes, basic	塩基性イソオクタノ酸とネオデカノ酸混合物	84929-95-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, naphthenate neodecanoate complexes	ナフテン酸、ネオデカノ酸混合物中の鉛	90431-43-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, naphthenate neodecanoate complexes, basic	塩基性ナフテン酸とネオデカノ酸混合物中の鉛	84929-96-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, neononanoate neoundecanoate complexes, basic	塩基性ネオノナノ酸、ネオウンデカノ酸混合物中の鉛	90431-44-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead, zinc dross	亜鉛トross中の鉛	94551-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Linseed oil, polymer with tung oil, lead salt	桐油・ワラのアコ油鉛塩	68990-75-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Linseed oil, reaction products with lead oxide (Pb3O4) and mastic	反応生成により酸化鉛(Pb3O4)を含むアコ油やシック	68152-99-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Methanesulfonic acid, lead(2+) salt	メタンスルホン酸鉛(II)	17570-76-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●		●	●							●			
Molybdate orange (Lead chromate pigment)	鉛酸モリブデン亜硫酸鉛赤(CI特メトレッド104)	12656-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●	●	●	●							●			
Naphthalenesulfonic acid, diisononyl-, lead(2+) salt	ジイソノニルナフタレンスルホン酸鉛(II)塩	63568-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Naphthalenesulfonic acid, dinonyl-, lead(2+) salt	ジノニルナフタレンスルホン酸鉛塩	61867-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Naphthenic acids, lead (2+) salts	ナフタン酸鉛(II)塩	91078-81-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Naphthenic acids, lead manganese salts	ナフテン酸鉛マンガンを塩	61788-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Naphthenic acids, lead salts, basic	塩基性ナフテン酸鉛塩	92045-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Neodecanoic acid, lead salt, basic	塩基性ネオデカン酸鉛塩	90459-25-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Neononanoic acid, lead salt, basic	塩基性ネオノナン酸鉛塩	90459-26-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Neoundecanoic acid, lead salt, basic	塩基性ネオウンデカン酸鉛塩	90459-28-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Nitric acid, lead(2+) salt, reaction products with sodium tin oxide	酸化鉛ナトリウムによる反応生成物である硝酸鉛(Ⅱ) 塩	97953-08-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Nitrous acid, lead(2+) salt	亜硝酸鉛塩	13826-65-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Octadecanoic acid, lead salt, basic	塩基性オクタデカン酸鉛塩	90459-51-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Octadecanoic acid, lead(2+) salt, basic	塩基性オクタデカン酸鉛(Ⅱ)塩	90459-52-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Octadecanoic acid, lead(2+) salt, tribasic	三塩基性オクタデカン酸鉛(Ⅱ)	52080-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Octanoic acid, lead salt	オクタノ酸鉛(混合)	15696-43-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Orthoboric acid, lead(2+) salt	正硼酸鉛(Ⅱ)塩	35498-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perchloric acid, reaction products with lead oxide (pbo) and triethanolamine	酸化鉛(PbO)とトリエタノールアミンによる反応生成物の過塩素酸	99749-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Petrolatum, petroleum, oxidized, lead salt	ガソリン中の酸化鉛化合物	67674-14-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phenol, 2-methyldinitro-, lead salt	2-メチルジニトロフェノール鉛塩	50319-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phenol, dodecyl-, lead(2+) salt	ドデシルフェノール鉛(Ⅱ)塩	68586-21-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phenol, tetrapropylene-, lead(2+) salt	テトラプロピレンフェノール鉛(Ⅱ)の塩	122332-23-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phosphonic acid, lead salt	亜リン酸鉛	16038-76-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphonic acid, lead salt, basic	塩基性リン酸鉛	53807-64-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phosphonic acid, lead(2+) salt	リン酸鉛(Ⅱ)塩	24824-71-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phosphonic acid, lead(2+) salt (1:1)	亜リン酸鉛	13453-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phosphonic acid, lead(2+) salt (2:1)	亜リン酸鉛(2:1)	15521-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phosphoric acid, lead(2+) salt (1:1)	リン酸水素鉛(2)	15845-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phosphoric acid, mixed butyl and hexyl diesters, lead(2+) salts	ブチルとヘキシルの混合リン酸鉛塩	93925-27-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphorodithioate O,O-bis(1,3-dimethylbutyl), lead salt	チオジチオ酸O,O'-ビス(1,3-ジメチルブチル)鉛塩	20383-42-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Phosphorodithioic acid, mixed O,O-bis(butyl and pentyl) esters, lead(2+) salt	チオジチオ酸O,O'-ビス(ブチル・ペンチル)鉛塩を混合した。	91783-10-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Plumbane, chlorotriethyl-	トリエチル鉛塩	1067-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Plumbane, diethyldimethyl-	ジエチルジメチル鉛	1762-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●					●					
Plumbane, ethyl methyl derivatives	エチルメチル鉛塩誘導体	68610-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Plumbane, ethyltrimethyl-	エチルトリメチル鉛	1762-26-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Plumbane, tetrabutyl-	テトラブチル鉛酸塩	1920-90-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Plumbane, tetrakis(1-methylethyl)-	テトラキス(1-メチルエチル)鉛酸塩	14846-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Plumbane, tetrakis(1-methylpropyl)-	テトラキス(1-メチルプロピル)鉛酸塩	65151-08-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Plumbane, triethylmethyl-	トリエチルメチル鉛	1762-28-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●				●							
Plumbate (PbO22-), disodium	亜鉛酸ナトリウム	12034-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Plumbate (PbO44-), calcium (1:2), (T-4)-	鉛酸カルシウム	12013-69-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Potassium pentadecaoxidoplumbatepentaniobate(1-)	十五材の鉛酸塩五二酸(1-)の加	12372-45-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.	銅、鉄、鉛、ニッケル(加)の残渣の非水溶性硫酸化合物	102110-49-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Salicylate, lead (II)	サリチル酸鉛(II)	6107-93-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Silicic acid (H2SiO3), calcium salt (1:1), lead and manganese-doped	ケイ酸カルシウム塩 鉛・マンガン・ア 塗料	100402-96-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Silicic acid (H2SiO3), lead(2+) salt (1:1)	ケイ酸鉛	10099-76-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Silicic acid (H4SiO4), lead salt	ケイ酸鉛	15906-71-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Silicic acid, calcium salt, lead and manganese-doped	ケイ酸カルシウム塩 鉛トロンカト-ア 塗料	102110-36-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Silicic acid, lead nickel salt	ケイ酸鉛ニッケル塩	68130-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●							●				
Slimes and sludges, lead sinter dust scrubber	鉛焼結ガススリパ-中の粘着液、スラッジ	70514-37-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Speiss, lead-zinc	鉛-亜鉛カク	93821-72-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, lead salt	2',4',5',7'-テトラブロモスピロベンゾフランキサンテン	1326-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Stearic acid, lead (2+) salt	ステアリン酸鉛	1072-35-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●		●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Sulfuric acid, barium lead salt	硫酸性バリウム鉛塩	42579-89-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Sulfuric acid, barium salt (1:1), lead-doped	鉛ドープ塗料中の硫酸バリウム塩(1:1)	99328-54-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Sulfuric acid, lead salt, tetrabasic	塩基性硫酸鉛	52732-72-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Sulfuric acid, lead(2+) salt, basic	塩基性亜硫酸鉛	90583-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Sulfurous acid, lead salt, basic	塩基性亜硫酸鉛	52231-92-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Sulfurous acid, lead salt, dibasic	塩基性亜硫酸鉛	62229-08-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Sulfurous acid, lead(2+) salt, basic	塩基性亜硫酸鉛	90583-37-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Sulfurous acid, lead(2++) salt (1:1)	亜硫酸鉛(Ⅱ)	7446-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Telluric acid (H <sub>2</sub> TeO <sub>3</sub> ), lead(2+) salt (1:1)	碲酸(H <sub>2</sub> TeO <sub>3</sub> ) 鉛(Ⅱ) 塩(1:1)	15851-47-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Tetradecanoic acid, lead salt, basic	塩基性テトラデカン酸鉛塩	90583-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Tetraethyllead	テトラエチル鉛	78-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P		●	●	●	●	●											
Tetramethyl lead	テトラメチル鉛	75-74-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Tetraphenyllead	テトラフェニル鉛	595-89-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Tetrapropyl lead	テトラプロピル鉛	3440-75-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Thiosulphuric acid, lead salt	チオ硫酸鉛	26265-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Lead/Tin alloy	鉛-錫合金	39412-44-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Trinitrochloroglucinol, lead salt	トリニトロクロロホルム鉛	51325-28-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											
Naphthenic acid, cobalt lead manganese salt	ナフテン酸コバルト鉛マンガニ塩(混合)	61789-50-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lead, bis(carbonato(2-))dihydroxytri /Lead carbonate hydroxide	鉛(炭酸)二水酸化三鉛(Ⅱ)	1319-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P	●	●	●		●	●										
Boric acid (HBO2), lead(2+) salt, monohydrate (8CI, 9CI)	硼酸鉛	10214-39-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Fatty acids, C6-19-branched, lead salts, basic	塩基性C6-19分枝脂肪酸の鉛塩	68603-83-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Pigment Lightfast Lead-Molybdate Orange OS (9CI)	鉛モリブド酸鉛オレンジOS(9CI)	78690-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	D/P			●		●	●										
Flue dust, lead-tin alloy-manufg.		69012-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										
Flue dust, zinc-refining		69012-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Leach residues, zinc ore-calcine, zinc cobalt		69012-72-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Dore		69029-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Slags, lead reveratory smelting		69029-58-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Zinc, desilverizing skims		69029-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Bismuth, refinery lead chloride residues		69029-61-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Leach residues, precious metal recovery lead refining		69029-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Calcines, lead ore conc.		69029-74-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Residues, lead roaster		69029-78-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Residues, lead smelting		69029-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Residues, precious metal recovery lead refining		69029-80-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Slags, lead smelting		69029-84-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Slags, precious metal recovery lead refining		69029-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Slags, tellurium		69029-86-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Slimes and Sludges, lead refining		69029-93-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Matte, lead		84195-51-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Slimes and Sludges, lead, electrolytic		84195-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Speiss, lead		84195-61-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Frits, chemicals		65997-18-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Oils, menhaden, lead salts		68424-76-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Hexanoic acid, dimethyl-, lead(2+) salt, basic		68442-95-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Hexanoic acid, 2-ethyl-, lead(2+) salt, basic		68515-76-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Hexanoic acid, 3,5,5-trimethyl-, lead(2+) salt, basic		68515-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Linseed oil, lead manganese salt		68553-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Oils, fish, lead salts		68553-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Spinels, boron calcium lead silicon white		68555-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Spinels, lead silicon tin zinc white		68555-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Zinc sulfide (ZnS), copper and lead-doped		68585-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead uranate pigment		85536-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Calcines, lead-zinc ore conc.		94551-62-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Fumes, lead		94551-66-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Leach residues, copper-lead		94551-72-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Matte, copper-lead		94551-74-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Residues, lead smelting wastewater treatment		94551-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Residues, lead-zinc smelting wastewater treatment		94551-79-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Wastes, lead battery reprocessing		94551-99-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Waste solids, lead silver anode		94552-05-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Slimes and Sludges, lead acetate manuf.		96690-46-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Ferrite substances, magnetoplumbite-type, barium-cobalt-titanium		97488-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Leach residues, zinc ore, lead-contg.		91053-49-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Slags, lead-zinc smelting		93763-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Flue gases, lead-zinc blast furnace		93821-47-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Slimes and Sludges, lead-zinc blast furnace, offgas wet cleaning		93821-70-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
199Pb		27486-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Plumbane, tetrahydroxy-		29491-37-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Sulfuric acid, lead(2+) lead(4+) salt (3:1:1)		35830-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead chlorate		10294-47-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead hydroxide (Pb(OH))		108350-80-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Ferrate (2-), [N,N-bis[2- (bis(carboxymethyl)amino)ethyl]glycinato (5-)]-, disodium		12565-18-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Boric acid, lead salt		12676-62-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Chromic acid lead salt with lead molybdate		12709-98-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Ethanedioic acid, lead(2+) salt (1:1), trihydrate		128226-81-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead hydroxide oxide (Pb2(OH)2O)		1311-11-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Carbonic acid, lead salt		13427-42-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Chloric acid, lead(2+) salt, monohydrate		13510-96-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Chromic acid (H2CrO4), lead(2+) potassium salt (2:1:2)		13845-31-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
205Pb		14119-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
209Pb		14119-30-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
210Pb		14255-04-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
203Pb		14687-25-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead and Lead compounds (as Pb)		14931-82-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
214Pb		15067-28-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
212Pb		15092-94-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
202Pb		15752-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Acetic acid, lead(2+) salt, monohydrate		15773-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
211Pb		15816-77-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Ethanedioic acid, lead salt		15843-48-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphoric acid, lead salt		16040-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										
Lanthanum lead titanium zirconium oxide		1227908-26-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										
Benzoic acid, 4-methyl-, lead(4+) salt		15516-84-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										
Phenol, lead(2+) salt (2:1)		20534-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										
Phenol, lead salt		25987-03-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										
Benzoic acid, methyl-, lead(2+) salt		27496-91-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●										

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Tetracosanoic acid, lead(2+) salt		28267-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead, bis[bis(1-methylethyl)carbamodithioato-S,S']-, (T-4)-		30051-53-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Benzoic acid, 3-methyl-, lead(4+) salt		34295-32-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Nonanoic acid, lead salt		41234-07-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Benzoic acid, 2-methyl-, lead(2+) salt		52337-73-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-, sodium, (T-4)-		53113-58-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Benzoic acid, 4-methyl-, lead(2+) salt		58274-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
UNDECANSAEURE-PB(II)-SALZ		63400-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Nonanoic acid, lead(2+) salt		63400-08-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (T-4)-		69090-73-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
9-Octadecenoic acid, lead(2+) salt, (E)-		69637-83-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead, bis(dipropylcarbamodithioato-S,S')-, (T-4)-		70995-63-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Ethanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1)		72437-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
22-Tricosenoic acid, lead(2+) salt		76835-98-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Benzoic acid, 2-methyl-, lead salt		76925-97-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Pentanoic acid, 2-propyl-, lead(2+) salt		87835-32-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Benzenesulfonic acid, hydroxy-, lead salt		82696-30-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Benzoic acid, 2-butyl-, lead(2+) salt		91187-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1-Propanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1)		103427-19-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
1-Propanesulfonic acid, 2-hydroxy-, lead salt		114601-64-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
2-Propanesulfonic acid, 1-hydroxy-, lead salt		133988-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
p-tert-Butylbenzoic acid lead salt		3249-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead sulfite		25666-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
2',4',5',7'-Tetrabromofluorescein lead salt		51868-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Hexafluorosilicate(2-), lead(2+) (1:1), tetrahydrate		83689-82-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead dichloride		13453-57-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead chloride (PbCl)		13931-84-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead sulfide		39377-56-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Dilead dioxide		35229-41-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead fluoride (VAN)		53096-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Plumblyium, ethyldimethyl-		103730-90-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumblyium, diethylmethyl-		105956-70-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbane, tributylchloro-		13302-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead bromide chloride		13778-36-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbane, chlorotripropyl-		1520-71-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbane, dichlorodimethyl-		1520-77-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Lead, diacetoxydiethyl- (7CI)		15773-47-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Plumbane, (4-bromobutyl)triphenyl-		16035-34-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Plumbane, (4-azidobutyl)triphenyl-		16035-39-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
1H-Imidazole, 1-(tributylplumbyl)-		16128-42-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Plumbane, bis(methacryloyloxy)dimethyl-		22515-48-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Plumbane, bis(acetyloxy)dibutyl-		2587-84-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Plumbane, tris(acetyloxy)phenyl-		3076-54-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
[Nitrooxy(diphenyl)plumbyl] nitrate		41825-28-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbane, triethyl[[(4-methylphenyl)sulfonyl]oxy]-		43135-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
9H-Carbazole, 9-(triphenylplumbyl)-		56240-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
1H-Indole, 1-(triphenylplumbyl)-		56240-92-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
1H-Pyrrole, 1-(triphenylplumbyl)-		56240-93-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Plumbane, butyltrimethyl-		54964-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead diphenyl acid propionate		56764-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Butyl-ethyl-dimethylplumbane		65122-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbane, tripropyl-		6618-03-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead, triethyl-, oleate		63916-98-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Butyl(triethyl)plumbane		64346-32-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Butyl-diethyl-methylplumbane		65122-13-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
1H-Isoindole-1,3(2H)-dione, 4,5,6, 7- tetrachloro-2-(triethylplumbyl)-		73928-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Trimethyl lead		7442-13-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
1H-1,2,3-Triazole-5-methanol, .alpha.,.alpha.-dimethyl-1-[4- (triphenylplumbyl)butyl]-		73826-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Plumbane, [(4-aminobenzoyl)oxy]triethyl-		73928-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Chromic acid (H2CrO4), lead(2 ) salt		15804-54-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Plumblyium, trimethyl-		14570-16-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Diethyllead		24952-65-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Acetic acid, fluoro-, triethyllead salt		562-95-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Lead strontium titanium zirconium oxide		153679-91-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbane, dibutyldiethyl-		65121-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Resin acids and Rosin acids, calcium salts, polymers with lead resinate and sapond. linseed oil		68139-27-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Carboxylic acids, tall-oil, lead salts, basic		68603-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Acetic acid, reaction products with capric acid, carpylic acid, coconut oil, and hydrogenated tallow fatty acids, calcium, lead salts		68784-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Gum rosin, litharge polymer		68952-91-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Basic lead beta-resorcylate		68954-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Gilsonite, polymer with cyclopentadiene, dicyclopentadiene and linseed oil, lead salts		68956-49-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Barium bismuth lead niobium titanium oxide		68987-33-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Acetic acid, capric acid, caprylic acid, coconut oil, hydrogenated tallow fatty acids, calcium-lead complex salt		69103-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●											
Dehydrated castor oil fatty acids, glycerine, C36 fatty acid dimers, litharge polymer		70879-91-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●											
Silicic acid (H6Si2O7), barium zinc salt (1:1:2), lead-doped		71799-66-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●											
Octadecanoic acid, barium lead salt		73105-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●											
Bismuth alloy, Bi 50,Pb 25,Cd 12,Sn 12 (L-pbbi50Sn12.5Cd12.5)		76093-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●											
2-[carboxylatomethyl(carboxymethyl)amino]acetate;lead(2+)		79849-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Glycine, N,N-bis(carboxymethyl)-, lead(2+) potassium salt (1:1:1)		79915-08-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
2- [bis(carboxylatomethyl)amino]acetate;lead (2+)		79915-09-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Boric acid (H3BO3), lead(2+) salt (2:3)		91388-81-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Chromic acid (H2CrO4), lead(2+) sodium salt (2:1:2)		93215-61-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Methanesulfonic acid, lead salt		95860-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
1,3-Benzenediol, 2-nitro-, lead salt, basic		68411-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Magnetoplumbite, barium titanium zinc brown		97675-41-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Matte, precious metal		98072-52-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Slimes and Sludges, precious metal refining		98072-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Matte, copper-lead, tellurium-contg.		100656-53-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Phosphoric acid, calcium salt (1:1), solid soln. with calcium chloride, calcium fluoride, calcium oxide, phosphorus oxide (P2O5) and strontium oxide, lead and manganese-doped		102047-25-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Barium oxide (BaO), solid soln. with calcium oxide, strontium oxide and tungsten oxide (WO3), lead-doped		102110-24-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Boric acid (H3BO3), solid soln. with barium oxide, calcium oxide and strontium oxide, lead and manganese-doped		102110-26-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Lead ores, concs., leached		102110-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Residues, precious metal refining cementation		102110-50-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Slimes and Sludges, battery scrap, antimony- and lead-rich		102110-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Slimes and Sludges, copper conc. roasting off gas scrubbing, lead-mercury-selenium-contg.		102110-61-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
barium calcium cesium lead samarium strontium bromide chloride fluoride iodide europium doped		199876-46-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Acetic acid, oleic acid, candelilla wax, tallow, calcium-lead complex salt		69103-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Plumbane dichlorodiethyl-		13231-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Triethyllead acetate		2587-81-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
Phosphoric acid, lead(2+) salt (2:1)		16180-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
200Pb		16645-99-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												
198Pb		16646-00-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
201Pb		17239-87-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Acetic acid, lead(2+) salt, dihydrate		22723-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Resin acids and Rosin acids, lead salts		9008-26-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
lead(II) perchlorate trihydrate		13453-62-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead, triphenyl(phenylthio)- (7CI)		15590-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Plumbane, acetoxytripropyl-		13266-07-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
triethylplumbanecarbonitrile		13732-17-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Lead chloride silicate		39390-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Octanoic acid, branched, lead salts, basic		68604-56-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Fatty acids, tallow, hydrogenated, lead salts		68605-98-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Tungstate (WO4 <sup>2-</sup> ), calcium (1:1), (T-4)-, lead-doped		68784-53-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											
Silicic acid (H6Si2O7), barium magnesium strontium salt, lead-doped		68784-74-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Acetic acid, reaction products with lead oxide (PbO), silica and sulfuric acid		68937-05-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Lead concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Resins, rubber, paints, inks and pigments 100 Total of packaging materials and ELV4 substances 100 Exemptions: Permitted concentration for intentional use (The expiry date of exemptions will be determined in the future) Lead-free cutting steel 3500 Aluminium alloy 4000 Copper alloy 40000	-			●		●													
Melamine		108-78-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●																
Mercury and its compounds, all members	水銀およびその化合物、全て		Prohibited			D/P																		
(2',7'-Dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-4'-yl)hydroxymercury	(2',7'-ジブロム-3',6'-ジヒドロキソスピロ[イソベンゾフラン-1(3H),9'-[9H]キサンテン]-4'-イル)ヒドロキシ水銀	55728-51-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●												
Cadmium mercury telluride ((Cd,Hg)Te)	テルル化カドミウム水銀	29870-72-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P			●		●	●												
(2-Carboxy-m-tolyl)hydroxymercury, monosodium salt	2-(トリスホキシベンジル)ヒドロキシ水銀(Ⅱ)	52795-88-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●												
(2-Carboxyphenyl)hydroxymercury	2-カルボキシフェニルヒドロキシ水銀(Ⅱ)	14066-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●												
(Acetato-O)ethylmercury	酢酸エチル水銀(Ⅱ)	109-62-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●												
(Acetato-O)methylmercury	酢酸メチル水銀(Ⅱ)	108-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●												
(Bromodichloromethyl)phenylmercury	(2,2-ジクロロ-1-(ブロモメチル)フェニル)水銀(Ⅱ)	3294-58-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●												
(Dihydroxyphenyl)phenylmercury	(2,2-ジヒドロキシフェニル)フェニル水銀	27360-58-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●												

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
(Lactato-O1,O2)mercury	(乳酸-O1,O2)水銀	18918-06-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
(Maleoyldioxy)bis[phenylmercury]	(マレイル酸ビスフェニル水銀(Ⅱ))	2701-61-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
(Metaborato-O)phenylmercury	メタボラートフェニル水銀(Ⅱ)	31224-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
(Phenylmercurio)urea	(フェニルメルクリオ)尿素	2279-64-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[(2-Hydroxyethyl)amino]phenylmercury acetate	2-ヒドロキシエチルアミノフェニル水銀酢酸	61792-06-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[.mu.-[[4,4'-(Oxydiethylene but-2-enedioato)(2-)]]]diphenyldimercury	[μ-[[4,4'-(オキシエチレン)ブタ-2-エネジオート(2-)]]]ジフェニル水銀	94070-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[.mu.-[[4,4'-(Oxydiethylene) bis(dodeceny)succinato]](2-)]diphenyldimercury	[μ-[[4,4'-(オキシエチレン)ビス(ドデセニルサクシネート)(2-)]]]ジフェニル水銀	93882-20-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[.mu.-[Metasilicato(2-)-O:O]]bis(2-methoxyethyl)dimercury	[μ-[[メタシレート(2-)-O,O]]]ビス(2-メトキシエチル)水銀	19367-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[.mu.-[Orthoborato(2-)-O:O]]diphenyldimercury	μ-[[オルトボラート(2-)-O,O]]ジフェニル水銀	6273-99-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[2,2',2''-Nitrilotri(ethanol)-N,O,O',O'']phenylmercury lactate	[2,2',2''-ニトリロトリエタノール-N,O,O',O'']フェニル水銀乳酸	23319-66-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[2-Ethylhexyl hydrogen maleato-O']phenylmercury	2-エチルヘキシル水素マレイル酸-O'フェニル水銀	27605-30-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
[Benzoato(2-)-C2,O1]mercury	[安息香酸(2-)-C2,O1]水銀	5722-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
[Naphthoato(1-)-O]phenylmercury	[ナフソ酸(1-)-O]フェニル水銀	31632-68-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
2-(Ethylmercuriothio)benzoic acid	エチル水銀チオベンゾ酸	148-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
2-Ethoxyethylmercury acetate	(2-エトキシエチル)水銀(II)アセテート	124-08-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
2-Ethoxyethylmercury chloride	2-エトキシエチル水銀(II)クロライド	124-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
2-Hydroxy-5-(1,1,3,3-tetramethylbutyl)phenylmercury acetate	2-ヒドロキシ-5-(1,1,3,3-テトラメチルブチル)フェニル水銀酢酸	584-18-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
2-Methoxyethylmercury chloride	メチルエチル水銀	123-88-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
6-Methyl-3-nitrobenzoxamercurate	ニトロメチル	133-58-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Barium tetraiodomercurate	四ヨウ化水銀酸バリウム	10048-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bis(5-oxo-DL-prolinato-N1,O2)mercury	ビス(5-オキソ-DL-プロリン酸-N1,O2)水銀	94276-38-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bis(5-oxo-L-prolinato-N1,O2)mercury	ビス(5-オキソ-L-プロリン酸-N1,O2)水銀	94481-62-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Bis(acetato-O)[.mu.-[1,3-dioxane-2,5-diy]bis(methylene)-c:c',O,O']dimercury	ビス(酢酸-O)[.μ-[1,3-ジオキサネ-2,5-ジイリシレン]-c:c',O,O']二水銀	84029-43-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bis(lactato-O1,O2)mercury	乳酸-O1,O2 水銀	18917-83-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bis(trichloromethyl)mercury	ビストリクロロメチル水銀	6795-81-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bis[(+)-lactato]mercury	ビス[(+)-乳酸]水銀	33724-17-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bis[(trimethylsilyl)methyl]mercury	ビス(トリメチルシリルメチル)水銀	13294-23-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bromo(2-hydroxypropyl)mercury	ブロム(2-ヒドロキシプロピル)水銀(Ⅱ)	18832-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bromoethylmercury	臭化エチル第二水銀	107-26-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bromomethylmercury	臭化メチル水銀(Ⅱ)	506-83-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Bromophenylmercury	ブロムフェニル水銀(Ⅱ)	1192-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chlormerodrin	クロメルロリン	62-37-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chloro(hydroxyphenyl)mercury	クロロヒドロキシフェニル水銀	1320-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Chloro(o-hydroxyphenyl)mercury	加0(o-ヒドロキシフェニル)水銀(Ⅱ)	90-03-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chloro[p-[(2-hydroxy-1-naphthyl)azo]phenyl]mercury	加0[p-[[2-(ヒドロキシ-1-ナフチル)アゾ]フェニル]水銀(Ⅱ)	3076-91-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chloro-2-thienylmercury	加0-2-チエニル水銀(Ⅱ)	5857-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chloro-m-tolylmercury	(3-メチルフェニル)加0水銀(Ⅱ)	5955-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Chloro-o-tolylmercury	(2-メチルフェニル)水銀(Ⅱ)加0*	2777-37-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Cobaltate(2-), tetrakis(thiocyanato-N)-, mercury(2+) (1:1), (T-4)-	テトラチオシアナト水銀(Ⅱ)コバルト(Ⅱ)	27685-51-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Cyclohexanebutanoic acid, mercury(2+) salt	水銀(Ⅱ)ヒス(シクロヘキサン)ブタン	62638-02-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Diammonium tetrachloromercurate	テトラクロロ水銀二アモニウム	33445-15-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Diethylmercury	ジエチル水銀	627-44-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Dihydrogen [orthoborato(3-)-O]phenylmercurate(2-)	ホウ酸フェニル水銀(Ⅱ)	102-98-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Diiodo(5-iodopyridin-2-amine-N1)mercury	二ヨウ化(5-ヨウ化ピリジン-2-アミノ-N1)水銀	93820-20-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Dimercy amidatenitrate	硝酸二水銀アミダテ	1310-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Dimercy difluoride	二フッ化水銀(Ⅰ) (HG2F2)	13967-25-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Dimercy diiodide	二ヨウ化二水銀(Ⅰ)	15385-57-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Dimercy(Ⅰ) oxalate	シュウ酸二水銀(Ⅰ)	2949-11-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Dimethyl[.mu.-[sulphato(2-)- O:O']]dimercy	硫酸ビス(メチル水銀(Ⅱ))	3810-81-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Dimethylmercury	ジメチル水銀	593-74-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Di-o-tolylmercury	ジ(2-メチルフェニル)水銀(Ⅱ)	616-99-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Diphenyl[.mu.- [[tetrapropenyl)succinato(2-)- O:O']]dimercy	[[μ-[[テトラプロペンイル)スルコ(2-)O:O']]ジフェニル二水銀	27236-65-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Diphenylmercury	ジフェニル水銀(Ⅱ)	587-85-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Disodium tetra(cyano-C)mercurate(2-)	テトラシアノ水銀(2-)二ナトリウム	15682-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Disuccinimidomercy	スルコニミド水銀	584-43-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Ethylidomercury	エチル第二水銀	2440-42-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Ethylmercuric chloride	塩化エチル水銀(Ⅱ)	107-27-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Ethylmercuric phosphate	エチル水銀(Ⅱ)リン酸塩	2235-25-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Fluorescein mercuric acetate	アセチル水銀(Ⅱ)フロロセイン	3570-80-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Hexanoic acid, 2-ethyl-, mercury(2+) salt	2-エチルヘキサノ酸水銀(Ⅱ)	13170-76-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Hydrargaphen	水銀(Ⅱ)ヒドロゲン	14235-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Hydrogen [metasilicato(2-)-O](2-methoxyethyl)mercurate(1-)	[メチルシレート(2-)-O]2-メトキシエチル水銀水素	64491-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Hydrogen .mu.-hydroxy[.mu.-[orthoborato(3-)-O:O]]diphenyldimercurate(1-)	μ-ヒドロキシ[μ-[(3-オキシベンゾイル)アミノ]-2-ヒドロキシプロピル]ジフェニル水銀(1-)水素	94277-53-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Hydrogen [3-[(.alpha.-carboxylato-o-anisoyl)amino]-2-hydroxypropyl]hydroxymercurate(1-)	[3-[(α-カルボキシルオアニソイル)アミノ]-2-ヒドロキシプロピル]ヒドロキシ水銀(1-)水素	26552-50-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Iodomethylmercury	ヨードメチル水銀(Ⅱ)	143-36-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Lactatophenylmercury	ラクチン水銀(Ⅱ)2-ヒドロキシプロピル	122-64-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Meralein sodium	メレリンナトリウム	4386-35-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercaptomerin sodium	メルカプトメルリンナトリウム	21259-76-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuderamide	メルクーデラミド	525-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurate(1-), (4- carboxylatophenyl)chloro-, hydrogen	p-加水安息香酸第二水銀	59-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurate(1-), (4- carboxylatophenyl)hydroxy-, sodium	4-(ヒドロキシ水銀)安息香酸ナトリウム塩	138-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurate(1-), triiodo-, hydrogen, compound with 3-methyl-2(3H)- benzothiazolimine (1:1)	三ヨ化水銀(1-)水素ト3-メチル-2(3H)-ベンゾチアゾリミンの混合物(1:1)	72379-35-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurate(2-), tetrachloro-, dipotassium, (T-4)-	2ヨ化水銀(2-)四ヨ化カリウム(Ⅱ)	20582-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurate(2-), tetraiodo-, (T-4)-, dihydrogen, compound with 5-iodo-2- pyridinamine (1:2)	四ヨ化水銀(2-) 二水素、5-ヨ素-2-ピリジンミン混 合物(1:2)	63325-16-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurate(2-), tetraiodo-, dicopper(1+), (T-4)-	四ヨ化銅水銀(Ⅱ)	13876-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric acetate	酢酸水銀(Ⅱ)	1600-27-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric arsenate	砒酸第二水銀(HgAsHO4)	7784-37-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercuric benzoate	安息香酸水銀	583-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric bromide	臭化水銀(Ⅱ)	7789-47-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric chloride	塩化第二水銀	7487-94-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●	●											
Mercuric cyanide	シアン化水銀(Ⅱ)	592-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric iodide	ヨウ化水銀(Ⅱ)	7774-29-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric nitrate	硝酸水銀(Ⅱ)	10045-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●	●											
Mercuric oxide	酸化水銀(Ⅱ)	21908-53-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●	●		●									
Mercuric oxycyanide	二(シアン)酸化第二水銀(Ⅱ)	1335-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric potassium cyanide	シアン化水銀(Ⅱ)酸カリウム	591-89-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric subsulfate	亜硫酸水銀	1312-03-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercuric sulfate	硫酸水銀(Ⅱ)	7783-35-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercuric thiocyanate	チオシアネート水銀(Ⅱ)	592-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurobutol	メチルブチル水銀	498-73-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurous acetate	酢酸第一水銀	631-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurous azide	アジド水銀	38232-63-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurous chloride	塩化第一水銀(HgCl)	7546-30-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurous iodide	ヨウ化水銀(Ⅰ)	7783-30-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurous nitrate	硝酸第一水銀(Ⅰ)	10415-75-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurous oxide	酸化第一水銀(黒色)	15829-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurous sulfate	硫酸第二水銀(Ⅰ)	7783-36-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury	水銀	7439-97-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●		●		●	●							●				
Mercury, bromo[1-(methoxyphenylmethyl)-2-oxo-2-[(1,7,7-trimethylbicyclo[2.2.1]hept-2-yl)oxy]ethyl]-		5326-00-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercury (I) chromate	加山酸水銀	13465-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury (I) nitrate	七(硝酸)二水銀(Ⅰ)二水和物	14836-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury (II) chromate	加山酸水銀(Ⅱ)	13444-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury (II) nitrate, monohydrate	硝酸水銀(Ⅱ)一水和物	7783-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury acetate	酢酸鉛	592-63-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury acetylide	アセチレン水銀	68833-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury ammonium chloride	アモニウム塩化水銀(Ⅱ)	10124-48-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury bis(4-chlorobenzoate)	七(4-クロロ安息香酸)水銀(Ⅱ)	15516-76-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury bis(trifluoroacetate)	七(トリフルオロ酢酸)水銀(Ⅱ)	13257-51-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury bromide (Hg2Br2)	二臭化二水銀(Ⅰ)	15385-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury bromide (HgBr)	臭化第一水銀	10031-18-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercury chloride	塩化第一水銀(Hg2Cl2)	10112-91-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury dichromate	二加硫酸第二水銀	7789-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury diiodate	ヨウ素酸水銀	7783-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury dipotassium tetrathiocyanate	四チチアネン第二水銀	14099-12-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury disilver tetraiodide	ヨウ化銀水銀(Ⅱ)	7784-03-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury distearate, pure	ステアリン酸水銀	645-99-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury fluoride	フッ化水銀(Ⅰ)	27575-47-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury fluoride (HgF2)	フッ化水銀(Ⅱ)	7783-39-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury gluconate	グルコン酸水銀	63937-14-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury nitride	窒化水銀	12136-15-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury oleate	オレイン酸第二水銀	1191-80-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercury salicylate	サリチル酸水銀	5970-32-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury selenide (HgSe)	セレン化水銀(Ⅱ)	20601-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury silver iodide	ヨウ化銀水銀	12344-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury succinate	ジッ酸水銀(Ⅱ)	589-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury sulfide (HgS)	硫化水銀(Ⅱ)	1344-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●	●											
Mercury telluride (HgTe)	テルル化水銀(Ⅱ)	12068-90-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury thallium dinitrate	硝酸・水銀(Ⅰ)、リウビ(Ⅰ)	94022-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(1+) bromate	臭素酸第一水銀	13465-33-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(1+) ethyl sulphate	硫酸エチル水銀(Ⅰ)	71720-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(1+) trifluoroacetate	トリフルオロ酢酸水銀(Ⅰ)	2923-15-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(1+), amminephenyl-, acetate	フェニルアミン水銀(Ⅱ)・酢酸	22450-90-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercury(2+) (9Z,12Z)-octadeca-9,12-dienoate	トリスノール酸水銀(Ⅱ)	7756-49-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(2+) chloroacetate	トリス(クロロ酢酸)水銀(Ⅱ)	26719-07-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(2+), bis(2,4,6-tri-2-pyridinyl-1,3,5-triazine-N1,N2,N6)-, (OC-6-1'2)-	トリス(2,4,6-トリ-2-ピリジン-1,3,5-トリアジン-N1,N2,N6)水銀(Ⅱ)	53010-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(II) oxalate	シュウ酸水銀(Ⅱ)	3444-13-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury(II) potassium iodide	ヨウ化カリウム水銀(Ⅱ)	7783-33-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (2-ethylhexanoato-O)(1-methoxycyclohexyl)-	水銀(2-エチルヘキソ酸)(O-メチシクロヘキシル)	103332-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (1-methoxycyclohexyl)(neodecanoato-O)-	(1-メチシクロヘキシル)(ネオデカノート-O)-水銀	103369-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (1-methoxyethyl)(9-octadecenoato-O)-,	1-メチシロキシル(9-オクタデセン酸)-水銀	104325-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (1-methoxycyclohexyl)(9-octadecenoato-O)-,	水(1-メチシクロヘキシル)(9-オクタデセン酸)-水銀	104325-08-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (1-methoxyethyl)(neodecanoato-O)-	(1-メチシロキシル)(ネオデカノート-O)-水銀	104335-53-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (2-ethylhexanoato-O)(1-methoxyethyl)	(2-エチルヘキソ酸)(O-メチシロキシル)水銀	104339-46-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercury, (2',7'-dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-4'-yl)hydroxy-, disodium salt	7-ヒドロキシ, (2',7'-ジブロム-3',6'-ジヒドロキソスピロイソベンゾフラン-1(3H),9'-[9H]キサンテン)-4'-イル)ヒドロキシ, 二ナトリウム塩	129-16-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (2-ethylhexanoato-O)phenyl-		13302-00-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	P		●			●	●											
Mercury, (9-octadecenoato-O)phenyl-, (Z)-	メルカプトオクタデセン酸水銀	104-60-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (acetato-O)(2-hydroxy-5-nitrophenyl)-	アセチル(2-ヒドロキシ-5-ニトロフェニル)水銀(Ⅱ)	63468-53-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (acetato-O)(4-aminophenyl)-	酢酸p-アミノフェニル水銀(Ⅱ)	6283-24-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (acetato-O)[3-(chloromethoxy)propyl-C,O]-	アセチル(3-(クロロメチル)プロピル)水銀(Ⅱ)	5954-14-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (acetato-O)[4-[[4-(dimethylamino)phenyl]azo]phenyl]-	N,N-ジメチル-4'-((アゾフェニル)アゾ)フェニル水銀(Ⅱ)	19447-62-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (acetato-O)diamminephenyl-, (T-4)-	酢酸-O-フェニルジアミン水銀	68201-97-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, (neodecanoato-O)phenyl-	ネオデカノ酸-O-フェニル水銀	26545-49-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	P		●			●	●											
Mercury, [.mu.-[dodecylbutanedioato(2-)-O:O']]diphenyldi-	2-ドデシルブタンジオ酸水銀(Ⅱ)	24806-32-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, [2,5-dichloro-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dionato(2-)-O1,O6]-	2,5-ジクロロ-3,6-ジヒドロキシ-2,5-シクロヘキサジエン-1,4-ジオン水銀塩	33770-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercury, bis(4-methylphenyl)-	ビス(4-メチルフェニル)水銀(Ⅱ)	537-64-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, bis(acetato-O)(benzenamine)-	ビス酢酸-O-7ニコリ水銀	63549-47-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, bis(phenyldiazene-carbothioic acid 2-phenylhydrazidato-N2,S)-, (T-4)-	ビス(フェニルジアゼンカルボチオ酸 2-フェニルヒドРАЗИД-2,5)水銀	14783-59-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, chloro(2-hydroxy-5-nitrophenyl)-	(2-ヒドロキシ-5-ニトロフェニル)水銀(Ⅱ)加水*	24579-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, chloro(4-hydroxyphenyl)-	クロロ(4-ヒドロキシフェニル)水銀(Ⅱ)	623-07-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, chloro(4-methylphenyl)-	(4-メチルフェニル)水銀(Ⅱ)加水*	539-43-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, chloro(ethanethiolato)-	クロロ(エチルチオ)水銀(Ⅱ)	1785-43-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, chloro[2-(2-cyclohexen-1-yl)-3- benzofuranyl]-	クロロ[2-(2-シクロヘキセン-1-イル)-3- ベンゾフルラン]水銀	90584-88-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, chloro[p-(2,4- dinitroanilino)phenyl]-	(4-((2,4-ジニトロフェニル)アミノ)フェニル)水銀(Ⅱ)加水*	15785-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, compound with sodium (2:1)	水銀ナトリウム化合物(2:1)	12055-37-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, compound with sodium (4:1)	水銀ナトリウム化合物(4:1)	57363-77-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Mercury, compound with titanium (1:3)	チタン鉛1:3化合物	11083-41-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, dibutyl-	ジブチル水銀	629-35-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, iodo(iodomethyl)-	ヨド化(ヨドメチル)水銀	141-51-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, methyl(8-quinolinolato-N1,O8)-	メチル(8-キノリノール酸-N1,O8)水銀	86-85-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, phenyl(phenyldiazene-carbothioic acid 2-phenylhydrazidato)-	フェニル(フェニルジアゼンカルボチオ 酸-2-フェニルヒドライド)水銀	56724-82-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, phenyl(propanoato-O)-	メチル-857	103-27-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	P		●			●	●											
Mercury, phenyl(trichloromethyl)-	(トリクロロメチル)フェニル水銀(Ⅱ)	3294-57-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercurymethylchloride	メチルトリクロロアテ	115-09-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●						●					
Mersalyl	メサルリ	492-18-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mersalyl acid	メサルリ酸	486-67-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Methoxyethylmercuric acetate	(メトキシエチル)水銀(Ⅱ)	151-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Methyl mercury dicyandiamide	3-シアノジアミンメチル水銀	502-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Methyl(pentachlorophenolato)mercury	メチル水銀(Ⅱ)ペンタクロロフェノレート	5902-76-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	P					●	●	●										
Methylmercury	メチル水銀	22967-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Methylmercury benzoate	メチル水銀(Ⅱ)ベンゾエート	3626-13-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Methylmercury hydroxide	水酸化メチル水銀(Ⅱ)	1184-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
N-(Ethylmercuric)-p- toluenesulphonamide	1-((4-メチルメルカプトフェニル)スルフィニル)エチル水銀(Ⅱ)	517-16-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Naphthenic acids, mercury salts	ナフテン酸水銀の塩	1336-96-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Nitric acid, mercury(2+) salt, hemihydrate	硝酸水銀(Ⅱ)半水物	13465-31-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Otimate sodium	オチメートナトリウム	16509-11-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Perchloric acid, mercury(2+) salt	過塩素酸第二水銀	7616-83-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P	●				●	●											
Phenyl(quinolin-8-olato-N1,O8)mercury	キノリン-8-イルオレートフェニル水銀	14354-56-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Phenyl(tribromomethyl)mercury	トリブロモメチル水銀(Ⅱ)	3294-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercuric acetate	アセチル水銀(Ⅱ)	62-38-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	P		●			●	●											
Phenylmercuric hydroxide	水酸化フェニル水銀	100-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercuric nitrate	硝酸フェニル第二水銀	55-68-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercury benzoate	安息香酸フェニル水銀(Ⅱ)	94-43-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercury chloride	塩化フェニル水銀	100-56-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercury dimethyldithiocarbamate	ジメチルジチオカルバマートフェニル水銀(Ⅱ)	32407-99-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercury hydroxide--phenylmercury nitrate	塩基性硝酸フェニル第二水銀	8003-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercury salicylate	フェニル水銀(Ⅱ)2-ヒドロキシ安息香酸塩	28086-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phenylmercury stearate	ステアリン酸フェニル水銀(Ⅱ)	104-59-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Phosphoric acid, mercury salt	リン酸水銀(Ⅱ)(H3PO4.xHg)	10451-12-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Potassium triiodomercurate(1-)	三ヨ化水銀(1-カカム)	22330-18-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Sodium [3-[[[3-(3-carboxylatopropionamido)carbonyl]amino]-2-methoxypropyl]hydroxymercurate(1-)]	[3-[[[3-(3-カキル*キリ酸ア*ル*カ酸ア*ル*カ)カキル*キリル]アミ ノ]-2-メトキシプロピル]ヒドロキシ水銀(1-)ナカム	7620-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Sodium 4-chloromercuriobenzoate	p-(カカルカ)安息香酸ナカム	3198-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Sodium o-(ethylmercurithio)benzoate	オカナル	54-64-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Sodium timerfonate	ヒメチンナカム	5964-24-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Tetrakis(acetato-O)[.mu.4-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-2',4',5',7'-tetrayl)]tetramercury	テトラキス(酢酸-O)[.mu.4-(3',6'-ジヒドロキ シ-3-オキソスピロ[イソベンゾフラン-1(3H),9'- [9H]キサンテン]-2',4',5',7'-テトライル)]四水銀	54295-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Trimercury biscitrate	カク酸水銀	18211-85-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Cadmium Mercury Sulfide	硫化カ*ミル水銀	1345-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P		●			●	●											
Mercury, (2-mercaptoacetamidato-O,S)methyl	(2-メルカプトアセチルアミド-O,S)メチル水銀	7548-26-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury-difulminate	二雷酸水銀(II)	628-86-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	D/P					●	●											
Mercury, chloro(cyclohexylmethyl)-	塩化第二水銀	33631-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added Impurity: Mercury concentration in homogeneous materials Parts, materials, sub-materials and auxiliary production materials 1000 [Analysis limit 500] Total of packaging materials and ELV4 substances 100	-	●				●	●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Methanol	メタノール	67-56-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●												●	
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	2-メチル-1-(4-メチルチオフェニル)-2-モルホリンプロパン-1-オン	71868-10-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●			
4-Methylcyclohexyl-1,6-dicarboxylic acid anhydride		19438-60-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
2,2'-[(1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxy]methylene]]bisoxirane (TBBPA-bG)		3072-84-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Methyloxirane		75-56-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●		●	
alpha-Methylstyrene		98-83-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
Mineral fibers (Natural or Synthetic), all members except: - Non-respirable fibers - Fibers with low biopersistence			Observation			D																
Ceramic Fibers	セラミックファイバー	142844-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●														
Calcium-Magnesium-Zirconium-Silicate Mixture	カルシウム-マグネシウム-珪酸ジルコニウム混合物(生体溶解性ファイバー-Superwool 607)	329211-92-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Aluminium Chloride, Basic reaction products with Silica		675106-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Miristalkonium chloride;	ミリスチルコニウム塩化物	139-08-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Molybdenum trioxide		1313-27-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																●
Monomethyldibromodiphenylmethane	モノメチルジブロモジフェニルメタン(DBBT)	99688-47-8	Prohibited	All applications and products	Intentionally added	P	●		●													
Monomethyldichlorodiphenylmethane	モノメチルジクロロジフェニルメタン	81161-70-8	Prohibited	All applications and products	Intentionally added	P	●		●													
Monomethyltetrachlorodiphenylmethane	モノメチルトetraクロロジフェニルメタン	76253-60-6	Prohibited	All applications and products	Intentionally added	P	●		●													
Naphthalenedisulfonic acid, dinonyl-		60223-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1)		57855-77-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Naphthalenesulfonic acid, dinonyl-		25322-17-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2-Naphthylamine and its salts, all members	2-ナフチルアミンおよびその塩類、全て		Prohibited			P																
2-Naphthylamine	2-ナフチルアミン	91-59-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P	●		●							●		●		●		
2-Naphthylammoniumacetat		553-00-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P			●										●			
2-naphthylammonium chloride		612-52-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	-			●										●			
N-1-naphthylaniline		90-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Nickel and its compounds, all members	ニッケルおよびその化合物、全て		Observation			D/P																
(2-Ethylhexanoato-O)(isodecanoato-O)nickel	(2-エチルヘキサノエート-O)(イソデカノエート-O)ニッケル	84852-39-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
(2-Ethylhexanoato-O)(isononanoato-O)nickel	(2-エチルヘキサノエート-O)(イソノナノエート-O)ニッケル	85508-45-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
(2-Ethylhexanoato-O)(isooctanoato-O)nickel	(2-エチルヘキサノエート-O)(イソオクタノエート-O)ニッケル	84852-38-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
(2-Ethylhexanoato-O)(neodecanoato-O)nickel	(2-エチルヘキサノ酸-O)(ネオデカノ酸-O)ニッケル	85135-77-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
(Isodecanoato-O)(isononanoato-O)nickel	(イソデカノ酸-O)(イソノナノ酸-O)ニッケル	84852-36-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
(Isodecanoato-O)(isooctanoato-O)nickel	(イソデカノ酸-O)(イソオクタノ酸-O)ニッケル	85166-19-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
(Isodecanoato-O)(neodecanoato-O)nickel	(イソデカノ酸-O)(ネオデカノ酸-O)ニッケル	85508-42-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
(Isononanoato-O)(isooctanoato-O)nickel	(イソノナノ酸-O)(イソオクタノ酸-O)ニッケル	85508-46-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
(Isononanoato-O)(neodecanoato-O)nickel	(イソノナノ酸-O)(ネオデカノ酸-O)ニッケル	85551-28-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
(Isooctanoato-O)(neodecanoato-O)nickel	(イソオクタノ酸-O)(ネオデカノ酸-O)ニッケル	84852-35-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
(Neononanoato-O)(neoundecanoato-O)nickel	(ネオノナノ酸-O)(ネオウンデカノ酸-O)ニッケル	93920-08-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
[.mu.-[[1,1',1'',1''']-[Benzene-1,2,4,5-tetrayltetrakis(nitromethylidene)]naphth-2-olato](4-)]dinickel	[μ-[[1,1',1'',1''']-[ベンゼン-1,2,4,5-テトライルテトラキス(ニトロメチリデン)]ナフタレン-2-olato](4-)]ジニッケル	22484-07-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
[.mu.-[Carbonato(2-)-O:O']]dihydroxydinickel	μ-(炭酸(2-)-O,O')二水酸化ニッケル	65405-96-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
[[2,2'-(4,8-Dichlorobenzo[1,2-d:4,5-d']bisoxazole-2,6-diy)bis[4,6-dichlorophenolato]](2-)]nickel	[[2,2'-(4,8-ジクロロベンゾ[1,2-d:4,5-d']ビスオキサゾール-2,6-ジイル)ビス[4,6-ジクロロフェノolato]](2-)]ニッケル	47726-62-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
[[2,2'-Thiobis[3-octylphenolato]](2-)-O,O',S]nickel	[[2,2'-チオビス[3-オクチルフェノolato]](2-)-O,O',S]ニッケル	33882-09-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
[[N,N',N'',N''']-[29H,31H-Phthalocyaninetetrayltetrakis(sulphonylimino-3,1-phenylene)]tetrakis[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel	[[N,N',N'',N''']-[29H,31H-フタロシアネンテトライルテトラキス(スルホニリミノ-3,1-フェニレン)]テトラキス[3-オキsobutyramidato]](2-)-N29,N30,N31,N32]ニッケル	97404-22-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
[[N,N',N''-[29H,31H-Phthalocyaninetriyltris(sulphonylimino-3,1-phenylene)]tris[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel	[[N,N',N''-[29H,31H-フタロシアネントリイルトリス(スルホニリミノ-3,1-フェニレン)]トリス[3-オキsobutyramidato]](2-)-N29,N30,N31,N32]ニッケル	97404-21-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium nickel(2+) salt (2:2:1)	1,2,3-プロパントリカルボキ酸,2-ヒドロキシ-,アンモニウムニッケル(II)(2:2:1)	68025-13-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
1,2,3-Propanetriol, 1-(dihydrogen phosphate), nickel(2+) salt (1:1)	1,2,3-プロパントリオール,1-(二水酸化リン酸)ニッケル(II)(1:1)	68391-37-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
1,2,3-Propanetriol, mono(dihydrogen phosphate), nickel(2+) salt (1:1)	(二水酸化リン酸),1,2,3-プロパントリオールニッケル(II)塩(1:1)	67952-69-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, nickel(2+) salt (1:1)	1,2-ベンゼンジカルボキ酸,3,4,5,6-テトラブロムニッケル(II)塩(1:1)	18824-79-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Benzidine, Ni(2+) salt	ベンジジン, Ni(2+)塩	67632-50-2	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P			●														
2,7-Naphthalenedisulfonic acid, nickel(2+) salt (1:1)	2,7-ナフタレンジスルホン酸ニッケル(II)	72319-19-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
2-Ethylhexanoic acid, nickel salt	2-エチルヘキサノ酸ニッケル	7580-31-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Acetic acid, nickel(2+) salt, polymer with formaldehyde and 4-(1,1,3,3-tetramethylbutyl)phenol	酢酸ニッケル(2+)塩,ホルムアルデヒドと4-(1,1,3,3-テトラメチルブチル)フェノールによる重合体中の酢酸ニッケル(2+)塩	71050-57-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Aluminum boron cobalt lithium nickel oxide		207803-51-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Aluminum cobalt lithium nickel oxide		193214-24-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Aluminum nickel oxide (Al2NiO4)	酸化アルミニウム-酸化ニッケル化合物(Al2NiO4)	12004-35-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Aluminum, compound with nickel (1:1)	アルミニウム,ニッケル(1:1)	12003-78-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Aluminum, triethyl-, reaction products with nickel(2+) bis(2-ethylhexanoate)	ニッケル(II)による反応生成物であるトリエチルアルミニウム	79357-65-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Antimony oxide (Sb2O3), solid solution with nickel oxide (NiO) and titanium oxide (TiO2)	酸化ニッケル(NiO) 酸化チタン(TiO2) の固溶液中の酸化アンチモン(Sb2O3)	73892-02-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Antimony, compound with nickel (1:1)	アンチモン、ニッケル(1:1)	12035-52-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Antimony, compound with nickel (1:3)	アンチモン、ニッケル(1:3)	12503-49-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)	ニッケル(II)の塩(2:1)	55868-93-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)	ニッケル(II)の塩(2:1)	52625-25-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●								●						
Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')nickel	ニッケル	14949-69-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(1,5-cyclooctadiene)nickel	ニッケル	1295-35-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(1H-1,2,4-triazole-3-sulphonato-N2,O3)nickel	ニッケル	85586-46-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(1-nitroso-2-naphtholato)nickel	ニッケル	12794-26-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(2,2,4,4-tetramethyl-7-oxa-3,20-diazadispiro[5.11.1.2]henicosan-21-one-O21)nickel	ニッケル	79121-51-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')nickel	ニッケル	69524-96-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(5-oxo-DL-prolinato-N1,O2)nickel	ニッケル	85026-81-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(5-oxo-L-prolinato-N1,O2)nickel	ニッケル	70824-02-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(butanedione dioximato)nickel	ニッケル(II)	13478-93-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(D-gluconato-O1,O2)nickel	ニッケル	71957-07-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Bis(diethyldithiocarbamato-S,S')nickel	ニッケル	52610-81-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis(quinolin-8-olato-N1,O8)nickel	ニッケル1	14100-15-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis[(2-hydroxyethyl)dithiocarbamato-S,S']nickel	ニッケル	52486-98-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis[2-hydroxy-4-(octyloxy)benzophenonato]nickel	ニッケル	15843-91-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis[bis(2-hydroxyethyl)dithiocarbamato-S,S']nickel	ニッケル	52486-99-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis[di(3,5,5-trimethylhexyl)dithiocarbamato-S,S']nickel	ニッケル	84604-95-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis[N-(2,4-dimethoxyphenyl)-2,3-bis(hydroxyimino)butyramidato-N2,N3]nickel	ニッケル	85269-39-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bis[N-(2-hydroxyethyl)-N-methylglycinato-N,O,on]nickel	ニッケル	76625-10-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Bismuth, compound with nickel (1:1)	ニッケル(1:1)	12688-64-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, nickel(2+) salt (2:1)	(2R,3R)-2,3-ジヒドロキサンジカルボン酸、ニッケル(2:1)	67952-41-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
C.I. Reactive green 12	リアクティブグリーン12 (反応染料)	72152-45-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Cobalt lithium manganese nickel oxide		182442-95-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Cobalt lithium manganese nickel oxide		346417-97-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
[Carbonato(2-)] tetrahydroxytrinickel		12607-70-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Carbonic acid, nickel salt	炭酸ニッケル	16337-84-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D													●			
Carbonic acid, nickel(2+) salt (2:1)	炭酸ニッケル塩(2:1)	17237-93-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Cassiterite, cobalt manganese nickel grey	スズ石(コバルトマンガニッケルグレー)	99749-23-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Chromic acid (H2Cr2O7), nickel(2+) salt (1:1)	重クロム酸 (H2Cr2O7), ニッケル(2+) 塩 (1:1)	15586-38-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D/P			●										●			
Chromium nickel oxide (Cr2NiO4)	酸化クロムニッケル (Cr2NiO4)	12018-18-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Chloric acid, nickel(2+) salt	塩素酸ニッケル	67952-43-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Citric acid , ammonium nickel salt	クエン酸アンモニウムニッケル塩	18283-82-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Cobalt molybdenum nickel oxide (CoMo2NiO8)	酸化コバルトモリブデンニッケル(CoMo2NiO8)	68016-03-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Cobalt nickel oxide (CoNiO2)	酸化コバルトニッケル(CoNiO2)	58591-45-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	ビス[2-ヒドロキシプロパン-1,2,3-トリカルボキシル]コバルト(II)ニッケル(II)	94232-44-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Copper(2+), bis(1,2-ethanediamine-N,N')-(SP-4-1)-tetrakis(cyano-C)nickelate(2-)(1:1)	ビス(1,2-エチレンジアミン-N,N')-(SP-4-1)-テトラキス(シアノ-C)ニッケル(2-)銅(2+)(1:1)	63427-32-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Copper, compound with lanthanum and nickel (4:1:1)	ランタンニッケル銅化合物(4:1:1)	51912-52-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Cyclohexanobutanoic acid, nickel(2+) salt	シクロヘキサンブタン酸ニッケル(II)	3906-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Diammonium tetrachloronickelate(2-)	テトラクロムニッケルジアミン塩	99587-11-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	ビス[2-ヒドロキシプロパン-1,2,3-トリカルボキシル]コバルト(II)ニッケル(II)	94232-84-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Diiron nickel tetraoxide	四酸化ニッケル(II)二鉄(III)	12168-54-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Diiron nickel zinc tetraoxide	四酸化二鉄ニッケル亜鉛	97435-21-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Dimethoxy[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel	ジメチル[29H,31H-フタルシアノ-29,30,31,32]ニッケル	83898-70-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Dimethylhexanoic acid, nickel salt	ジメチルヘキサン酸ニッケル塩	93983-68-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Dinickel orthosilicate	ケイ酸ジニッケル(II)	13775-54-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Diphosphoric acid, nickel(2+) salt	リン酸ニッケル(II)	19372-20-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Diphosphoric acid, nickel(2+) salt (1:2)	リン酸ニッケル(II)塩	14448-18-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●			
Dipotassium tetrafluoronickelate(2-)	テトラフルオロニッケル二カリウム	13859-60-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Dipotassium tris(cyano-c)nickelate(2-)	シアニドニッケル(III)カリウム	39049-81-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Dysprosium, compound with nickel (1:2)	ジスプロシウムニッケル(1:2)	12175-27-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Ethyl hydrogen sulphate, nickel(2+) salt	2(エチル硫酸)ニッケル(II)	71720-48-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Fatty acids, C6-19-branched, nickel salts	分岐型脂肪酸ニッケル塩(炭素数C6-19)	91697-41-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fatty acids, C8-18 and C18-unsaturated, nickel salts	脂肪酸ニッケル塩(炭素数8-18及び18個の不飽和物)	84776-45-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Hexaamminenickel(2+) bis[tetrafluoroborate(1-)]	ヘキサミンニッケルヘキサフルオロボレート	13877-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Hexanoic acid, 2-ethyl-, nickel(2+) salt	2-エチルヘキサノ酸ニッケル	4454-16-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Iron alloy, base,(Fe.Ni)(ferronickel)	鉄ニッケル合金(フェリニッケル)	11133-76-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D																
Isononanoic acid, nickel(2+) salt	イソノナノ酸ニッケル(Ⅱ)塩	84852-37-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Lanthanum, compound with nickel (1:5)	ランタンニッケル(1:5)	12196-72-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Leach residues, nickel-vanadium ore - Residues from basic leaching of nickel-bearing vanadium ores. Composed primarily of silica and insoluble compounds of nickel and vanadium with minor quantities of other metals, such as arsenic, lead, tin and zinc.	ニッケル・バナジウム鉱石の残渣-少量の砒素、鉛、錫、スズ、亜鉛その他の元素を含有しているシリカ主成分のようなもの	84144-92-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Lithium nickel cobalt aluminum oxide	リチウムニッケルコバルトアルミニウム酸化物	177997-13-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D																
Lithium nickel oxide (LiNiO2)	酸化リチウムニッケル	12031-65-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Molybdenum nickel oxide	酸化ニッケルモリブデン	12673-58-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Naphthenic acids, nickel salts	ナフテン酸ニッケル塩	61788-71-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Neodecanoic acid, nickel salt	ネオデカノ酸ニッケル	51818-56-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel	ニッケル	7440-02-0	Prohibited/Observation	To be prohibited: substances in contact with the human body continuously for a long period of time To be controlled: substances not in contact with the human body continuously for a long period of time	Relative to the weight of component parts and materials 1000	D	●	●													●	
Nickel [R(R*,R*)]-tartrate	(2R,3R)-2,3-ジヒドロキソタルトロン酸ニッケル(1;x)	52022-10-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel acetate	酢酸ニッケル	14998-37-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel acetate tetrahydrate	酢酸ニッケル四水和物	6018-89-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D																
Nickel acrylate	アクリル酸ニッケル	51222-18-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel ammonium sulfate	ニッケル(硫酸)ニッケル(Ⅱ)アンモニウム	15699-18-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel arsenide (NiAs)	一ヒ化ニッケル	27016-75-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
C.I. Pigment Yellow 157 (Nickel barium titanium priderite)		68610-24-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel bis(benzenesulphonate)	ビス(ベンゼンスルホン酸)ニッケル	39819-65-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel bis(dihydrogen phosphate)	ビス(リン酸二水素)ニッケル	18718-11-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel bis(phosphinate)	ジホスフィン酸ニッケル	14507-36-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel bis(piperidine-1-carbodithioate)	ビス(ピペリジン-1-チオ炭酸)ニッケル	41476-75-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel bisphosphinate	ホスフィン酸ニッケル	36026-88-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel boride	ホウ化ニッケル	12619-90-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D													●			
Nickel boride (Ni2B)	ホウ化ニッケル(Ni2B)	12007-01-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			
Nickel boride (Ni3B)	ホウ化ニッケル(Ni3B)	12007-02-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Nickel boride (NiB)	硼化ニッケル (NiB)	12007-00-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Nickel bromide (NiBr2)	臭化ニッケル(Ⅱ)	13462-88-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel bromide (NiBr2), trihydrate	臭化ニッケル(Ⅱ)三水和物	7789-49-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel carbide	ニッケルカーバイド	12710-36-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel carbonate	炭酸ニッケル	3333-67-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●		●	
Nickel carbonyl	ニッケルカルボニル	13463-39-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●		●	
Nickel chloride		37211-05-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel chromate	加硫酸ニッケル	14721-18-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D/P			●											●			
Nickel cyanide	シアニ化ニッケル(Ⅱ)	557-19-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel diarsenide	砒化ニッケル; 二砒化ニッケル	12068-61-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel dibenzoate	安息香酸ニッケル(Ⅱ)	553-71-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel dibromate	臭素酸ニッケル	14550-87-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel dihydroxide hydrate		36897-37-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel dimethyldithiocarbamate	ニッケルジメチルジチオカルバメート	15521-65-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel dipotassium bis(sulphate)	硫酸ニッケルカリウム	13842-46-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel dithiocyanate	チオシアニ化ニッケル(Ⅱ)	13689-92-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel fluoride (NiF2)	フッ化ニッケル(Ⅱ)	10028-18-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel fluoride (NiF2), tetrahydrate	フッ化ニッケル四水和物	13940-83-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel hydrogen phosphate	リン酸ニッケル塩	14332-34-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel hydride (NiH)		14332-32-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel hydroxide	水酸化ニッケル(混合)	11113-74-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel hydroxide	水酸化ニッケル(混合)	12054-48-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●		●	
Nickel hydroxide	水酸化ニッケル(混合)	12125-56-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													●	
Nickel isooctanoate	イソオクタン酸ニッケル	27637-46-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel methacrylate	メタクリル酸ニッケル	94275-78-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel nitrate	硝酸ニッケル	14216-75-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel nitrate (2+ salt)	硝酸ニッケル無水物	13138-45-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel nitrite	亜硝酸ニッケル	17861-62-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel oxide	酸化ニッケル	11099-02-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel oxide	酸化ニッケル	1313-99-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●		●											●		●	
Nickel oxide (Ni2O3)	酸化ニッケル(Ⅲ)	1314-06-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel oxide (NiO2)	二酸化ニッケル	12035-36-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Nickel oxide (Ni3O4)		12137-09-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●															
Nickel perchlorate	過塩素酸ニッケル(Ⅱ)	13637-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●		●										●					
Nickel phosphide (Ni2P)	一リン化ニッケル	12035-64-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel potassium cyanide	テトラシアニドニッケル(Ⅱ)酸カリウム	14220-17-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●															
Nickel selenate	セレン酸ニッケル(Ⅱ)	15060-62-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel selenide	セレン化ニッケル(Ⅱ)	1314-05-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel silicide (Ni2Si)	ニッケル矽化物(Ni2Si)	12059-14-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel silicide (NiSi)	ニッケル矽化物(NiSi)	12035-57-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel silicide (NiSi2)	ニッケル矽化物(NiSi2)	12201-89-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel subsulfide	二硫化三ニッケル	12035-72-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●		●			
Nickel sulfate	硫酸ニッケル	7786-81-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●		●										●					
Nickel sulfide (Ni2S3)	ニッケル硫化物(Ni2S3)	12259-56-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●															
Nickel sulfide (NiS)	硫化ニッケル(Ⅱ)	16812-54-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel telluride	テルル化ニッケル	12142-88-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel tin trioxide	酸化スズニッケル	12035-38-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel titanium oxide	酸化チタンニッケル	12035-39-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel titanium oxide	酸化チタンニッケル	12653-76-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel titanium tungsten oxide (NiTi20W2O47)	酸化ニッケルチタンタングステン(NiTi20W2O47)	69011-05-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel vanadium oxide (NiV2O6)	酸化ニッケルバナジウム(NiV2O6)	52502-12-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel zirconium oxide (NiZrO3)	酸化ニッケルジルコニウム(NiZrO3)	70692-93-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel(1+), [1-(2-amino-4-imino-5(4H)-thiazolylidene)-N-[1-(2-amino-4-imino-5(4H)-thiazolylidene)-1H-isoindol-3-yl]-1H-isoindol-3-aminato]-, chloride	[1-(2-アミノ-4-イミノ-5(4H)-チアゾリリデン)-N-[1-(2-アミノ-4-イミノ-5(4H)-チアゾリリデン)-1H-イソインドール-3-イル]-1H-イソインドール-3-アミノ]-, クロライド	53199-85-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●															
Nickel(2+) acrylate	アクリル酸ニッケル(Ⅱ)	60700-37-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●															
Nickel(2+) methacrylate	メタクリル酸ニッケル(Ⅱ)	52496-91-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●															
Nickel(2+) neodecanoate	ネオデカン酸ニッケル(Ⅱ)	85508-44-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel(2+) neononanoate	ネオノナン酸ニッケル(Ⅱ)	93920-10-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel(2+) neoundecanoate	ネオウンデカン酸ニッケル(Ⅱ)	93920-09-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel(2+) oleate	オレイン酸ニッケル	13001-15-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●															
Nickel(2+) palmitate	パルミチン酸ニッケル(Ⅱ)	13654-40-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel(2+) selenite	セレン酸ニッケル(Ⅱ)	10101-96-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					
Nickel(2+) silicate	ケイ酸ニッケル(Ⅱ)	21784-78-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●					

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Nickel(2+) sulphite	硫化ニッケル(Ⅱ)	7757-95-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Nickel(2+) trifluoroacetate	トリフルオロ酢酸ニッケル(Ⅱ)	16083-14-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●											●			
Nickel(2+), bis(1,2-ethanediamine-N,N')-, bis[bis(cyano-C)aurate(1-)]	ビス(1, 2-エタナジアン-N,N') ニッケル(2+)・ビス[ビス(シアノ-C)オウレート(1-)]	68958-89-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2+), bis(1,2-ethanediamine-N,N')-, salt with dimethylbenzenesulfonic acid (1:2)	ビス(1, 2-エタナジアン-N,N') ニッケル(2+)塩トランスジメチルベンゼンスルホン酸(1:2)	71215-98-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2+), bis(1,2-propanediamine)-, bis[dicyanoaurate(1-)]	ビス(1, 2-プロパナジアン-N,N') ニッケル(2+)・ビス[ジシアノオウレート(1-)]	18972-69-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2+), bis(ethylenediamine)-, sulfate (1:1)	ビス(エチレンジアミン)ニッケル(Ⅱ) 硫酸(1:1)	21264-77-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2+), hexakis(1H-imidazole-N3)-, (OC-6-11)-, 1,2-benzenedicarboxylate (1:1)	ニッケル(Ⅱ), ヘキサリス(1H-イミダゾール-N3)-, (OC-6-11)-, 1, 2-ジベンジカルボキシレート(1:1)	108818-89-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2+), tris(1,2-ethanediamine-N,N')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2)	トリス(1, 2-エタナジアン-N,N') ニッケル(2+)塩トランスジメチルベンゼンスルホン酸(1:2)	71215-97-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, bis[tetrafluoroborate(1-)]	トリス(4, 7-ジフェニル-1, 10-フェナントリン-N1,N10) ニッケル(Ⅱ)-(OC-6-11) -ビス[テトラフルオロボレート(1-)]	68309-97-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, dinitrate	トリス(4, 7-ジフェニル-1, 10-フェナントリン-N1,N10)ニッケル(Ⅱ)二硝酸(炭素数6-11)	38780-90-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2++), hexaamine-, (OC-6-11)-, carbonate (1:1)	ヘキサミンニッケル(2+)炭酸(1:1)	67806-76-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(2++), hexaamine-, dihydroxide, (OC-6-11)-	ヘキサミンニッケル(Ⅱ)二水和物	51467-07-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(II) acetate	酢酸ニッケル(Ⅱ)	373-02-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●		●		
Nickel(II) chloride	塩化ニッケル	7718-54-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●		●										●				
Nickel(II) chloride hexahydrate (1:2:6)	塩化ニッケル六水和物	7791-20-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●																
Nickel(II) fluoborate	テトラフルオロボレートニッケル(Ⅱ)	14708-14-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Nickel(II) fumarate	フマル酸ニッケル(Ⅱ)	6283-67-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel(II) iodide	ヨウ化ニッケル(Ⅱ)	13462-90-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Nickel(II) isodecanoate	イソデカノ酸ニッケル(Ⅱ)	85508-43-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Nickel(II) isoctanoate	イソオクタノ酸ニッケル(Ⅱ)	29317-63-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●										●				
Nickel(II) nitrate, hexahydrate (1:2:6)	硝酸ニッケル(Ⅱ)六水和物	13478-00-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D																	
Nickel(II) sulfate hexahydrate (1:1:6)	硫酸ニッケル(Ⅱ)六水和物	10101-97-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●																
Nickel, (2-ethylhexanoato-O)(trifluoroacetato-O)	(2-エチルヘキサノート-O)(トリフルオロ酢酸-O)ニッケル	70776-98-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel, (2-propanol)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]-	[[2,2'-チオビス[4-(1,1,3,3-テトラメチルブチル)フェノール]](2-)-O,O',S] ニッケル	67763-27-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel, (carbonato(2-))tetrahydroxytri-, tetrahydrate	塩基性炭酸ニッケル(Ⅱ)・四水和物	39430-27-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel, [(2-amino-2-oxoethoxy)acetato(2-)]-	[(2-アミノ-2-オキソエトキシ)酢酸(2-)]ニッケル	68133-84-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														
Nickel, [.mu.-(piperazine-N1:N4)]bis[3-[1-(4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl)hydrazono]ethyl]-2,4(1H,3H)-quinolinedionato(2-)]di-	μ-(ピペラジン-N1:N4)ビス[3-[1-(4,5,6,7-テトラクロロ-1-オキソ-1H-イソインドール-3-イル)ヒドРАЗONO]エチル]-2,4(1H,3H)-キノリノジオン(2-)]ニッケル	71889-22-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel, [[1,1'-[1,2-phenylenebis(nitrilomethylidene)]bis[2-naphthalenolato]](2-)-N,N',O,O']-, (SP-4-2)-	[[1,1'-[1,2-フェニレンビス(ニトリロメチリデン)]ビス[2-ナフthalenolato]](2-)-N,N',O,O']-ニッケル	20437-10-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [[2,2'-[methylenebis(thio)]bis[acetato]](2-)-]	[[2,2'-メチレンビス(チオ)]ビス[酢酸]](2-)-ニッケル	71215-73-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [[2,2'-sulfonylbis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O1,O1',O2]-	[[2,2'-スルホニルビス[4-(1,1,3,3-テトラメチルブチル)フェニolato]](2-)-O1,O1',O2]-ニッケル	16432-37-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]-	[[2,2'-チオビス[4-(1,1,3,3-テトラメチルブチル)フェニolato]](2-)-O,O',S]-ニッケル	27574-34-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [1,3-dihydro-5,6-bis[[[2-hydroxy-1-naphthalenyl)methylene]amino]-2H-benzimidazol-2-onato(2-)-N5,N6,O5,O6]-, (SP-4-2)-	[1,3-ジヒドロ-5,6-ビス[[[2-ヒドロキシ-1-ナフthalen-1-イル)メチレン]アミノ]-2H-ベンゾイミダゾール-2-オン(2-)-N5,N6,O5,O6]-ニッケル (SP-4-2)-	42844-93-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-	ニッケルフェタロキアチン	14055-02-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfo derivatives, sodium salts	[29H,31H-フェタロキアチン(2-)-N29,N30,N31,N32]-, [[3-[(5-クロロ-2,6-ジフルオロ-4-ピリミジンイル)アミノ]フェニル]アミノ]スルホニル硫酸水素ナトリウム塩、およびナトリウム塩による反応生成物である[29H,31H-フェタロキアチン(2-)-N29,N30,N31,N32]ニッケルフェタロキアチン誘導体、ニッケルナトリウム塩	90459-35-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivatives, reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium sodium salts, compounds with pyridine	ニッケルフェタロキアチン(2-)-N29,N30,N31,N32]-, 2-[(4-アミノフェニル)スルホニル]エチル水素硫酸モノナトリウム塩、カリウムナトリウム塩、ピリジンとの化合物	93573-17-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [29H,31H-phthalocyanine-C,C,C,C-tetrasulfonyl tetrachloridato(2-)-N29,N30,N31,N32]-	[29H,31H-フェタロキアチン-C,C,C,C-テトラスルホニルテトラクロリド(2-)-N29,N30,N31,N32]-ニッケル	28680-76-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [2-hydroxybenzoic acid [3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isindol-1-ylidene]hydrazidato(2-)-]	[2-ヒドロキシベンゾ酸[3-[1-シアノ-2-(メチルアミノ)-2-オキソエチリデン]-2,3-ジヒドロ-1H-イソインドール-1-イルイリデン]ヒドРАЗИД(2-)-]-ニッケル	85958-80-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [carbonato(2-)]hexahydroxytetra-	ヘキサヒドロキソテトラカルコナト(2-)-ニッケル	12334-31-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [N-(4-chlorophenyl)-2-[3-[[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]methylene]hydrazino]-1H-isindol-1-ylidene]-2-cyanoacetamidato(2-)-]	[N-(4-クロロフェニル)-2-[3-[[[1-(4-クロロフェニル)-4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル)メチレン]ヒドРАЗИД(2-)-1H-イソインドール-1-イルイリデン]-2-シアノアセチルアミド(2-)-]-ニッケル	71889-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [N-(carboxymethyl)glycinato(2-)-N,O,ON]-	[N-カルボキシルメチルグリシン(2-)-NOON]-ニッケル	13869-33-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [N,N',N'',N'''-tetrakis[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C,C-tetrasulfonamidato(2-)-N29,N30,N31,N32]-	[N,N',N'',N'''-テトラキス[4-(4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル)フェニル]-29H,31H-フェタロキアチン-C,C,C,C-テトラスルホニルアミド(2-)-N29,N30,N31,N32]-ニッケル	72986-45-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, [N,N',N''-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamidato(2-)-N29,N30,N31,N32]-	[N,N',N''-トリス[4-(4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-1-イル)フェニル]-29H,31H-フェタロキアチン-C,C,C-トリスルホニルアミド(2-)-N29,N30,N31,N32]-ニッケル	72252-57-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, 2,2'-thiobis[4-nonylphenol] complexes	2,2'-チオビス[4-ノニルフェノール]ニッケル複合体	85480-75-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids complexes	酢酸カルコナト、分岐型脂肪酸(炭素数C8-10)、分岐型新脂肪酸(炭素数C9-11)混合物中のニッケル	90459-30-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, acetylacetone 6-methyl-2,4-heptanedione complexes	アセチルアセトン、6-メチル-2,4-ヘプタジオン混合物中のニッケル	90459-34-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, aqua[2-[(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl)azo]benzoato(2-)-]	[2-[(4,5-ジヒドロ-3-メチル-5-オキソ-1H-ピラゾール-4-イル)アゾ]安息香酸(2-)-]水溶性ニッケル	106316-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, bis(2,4-pentanedionato-O,O')-, (SP-4-1)-	ビス(2,4-ペンタジオン(II))ニッケル	3264-82-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-O)-	ビス(2-ヘプタデシル-1H-イミダゾール-N3)ビス(オクタノイート)ニッケル	68912-08-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, bis(3-amino-4,5,6,7-tetrachloro-1H-isindol-1-one oximate-N2,O1)-	ビス(3-アミノ-4,5,6,7-テトラクロロ-1H-イソインドール-1-オンオキシマート)ニッケル	70833-37-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, bis(dibutylcarbamodithioato-S,S')-, (SP-4-1)-	ビス(ジブチルカルバモジチオ(II))ニッケル	13927-77-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickel, bis(diethylcarbamodithioato-S,S')-, (SP-4-1)-	ビス(ジエチルカルバモジチオ(II))ニッケル	14267-17-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel, compound with zirconium (1:2)	ニッケル-ジルコニウム化合物(1:2)	12142-92-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel, isodecanoate naphthenate complexes	イソデカノ酸ナフテン酸の混合物中のニッケル	85585-97-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel, isononanoate naphthenate complexes	イソノナノ酸ナフテン酸の混合物中のニッケル	85585-98-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel, isooctanoate naphthenate complexes	イソオクタノ酸、ナフテン酸混合物中のニッケル	90459-33-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel, naphthenate neodecanoate complexes	ナフテン酸ネオデカノ酸の混合物中のニッケル	85585-99-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel, tetrakis(triphenyl phosphite-P)-, (T-4)-	テトラキスリン酸トリフェニルニッケル	14221-00-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickel, [6,8,16,18-tetrachloro-1,11-bis(2-furanylmethyl)-1,10,11, 20-tetrahydrobenzo[c,j]dipyrazolo[3,4-f:3',4'-m][1,2,5,8,9,12] hexaazacyclotetradecinato(2-)-N5,N10,N15,N20]-	[6,8,16, 18-テトラクロロ-1, 11-ビス(2-フルアニルメチル)-1,10,11, 20-テトラヒドロベンゾ[c,j]ジピラゾロ[3,4-f:3',4'-m][1,2,5,8,9,12]ヘキサアザシクロテトラデシナト(2-)-N5,N10,N15,N20]ニッケル	79745-01-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(1-), [[N,N'-1,2-ethanediybisN-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON]-, potassium, (OC-6-21)-	[[N,N'-1, 2-エタニジイビスN-(カルボキシルメチル)グリシナト]](4-)-N,N',O,O',ON,ON]-ニッケル(1-)カリウム	67906-12-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(1-), [3,4-bis[[[2-hydroxy-1-naphthalenyl]methylene]amino]benzoato(3-)-N3,N4,O3,O4]-, hydrogen	[3, 4-ビス[[[2-ヒドロキシ-1-ナフタレン]メチレン]アミノ]ベンゾアト(3-)-N3,N4,O3,O4]-ニッケル(1-)水素	61300-98-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O']-, hydrogen, (T-4)-	[N,N-ビス(カルボキシルメチル)グリシナト(3-)-N,O,O',O']ニッケル(1-)水素	34831-03-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(1-), trichloro-, ammonium	トリクロロニッケル(1-)アンモニウム	24640-21-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(2-), [[N,N'-1,2-ethanediybisN-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON]-, dihydrogen, (OC-6-21)-	[[1,2-エタニジイビスN-(カルボキシルメチル)グリシナト]](4-)-N,N',O,O',ON,ON]-ニッケル(2-)水素	25481-21-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(3-), [22-[[[3-[[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(5-)-N29,N30,N31,N32]-, trisodium, (SP-4-2)-	[22-[[[3-[[5-クロロ-2,6-ジフルオロ-4-ピリミジンイル]アミノ]フェニル]アミノ]スルfonyル]-29H,31H-フタロシアニン-1,8,15-トリスルfonyル(5-)-N29,N30,N31,N32]ニッケル(3-)ナトリウム	71243-96-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(3-), [5-[[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxy-3-[[2-hydroxy-3-nitro-5-sulfonyl]azo]-2,7-naphthalenedisulfonato(5-)-], trisodium	[5-[[[4, 5-ジヒドロ-3-メチル-5-オキソ-1-フェニル-1H-ピラゾール-4-イル]アゾ]-4-ヒドロキシ-3-[[2-ヒドロキシ-3-ニトロ-5-スルfonyル]アゾ]-2,7-ナフタレンジスルfonyル(5-)]ニッケル(3-)ナトリウム	79817-91-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(3-), [C-[[[3-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]phenyl]amino]sulfonyl]-C,C,C-tris(aminosulfonyl)-29H,31H-phthalocyanine-C,C,C-trisulfonato(5-)-N29,N30,N31,N32]-, trisodium	[C-[[[3-[[4-アミノ-6-クロロ-1,3,5-トリアジン-2-イル]アミノ]フェニル]アミノ]スルfonyル]-C,C,C-トリ(アミノスルfonyル)-29H,31H-フタロシアニン-C,C,C-トリスルfonyル(5-)-N29,N30,N31,N32]ニッケル(3)ナトリウム	72229-81-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)-], triammonium, (T-4)-	[N,N-ビス(ホスホノメチル)グリシナト(5-)]ニッケル(3-)アンモニウム	68025-40-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)-], tripotassium, (T-4)-	[N,N-ビス(ホスホノメチル)グリシナト(5-)]ニッケル(3-)カリウム	63597-34-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)-], trisodium,(T-4)-	[N,N-ビス(ホスホノメチル)グリシナト(5-)]ニッケル(3-)ナトリウム	68025-41-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														
Nickelate(4-), [[[nitrioltris(methylene)]tris(phosphonato)](6-)-N,OP,OP,OP]-, tetrapotassium, (T-4)-	[[[ニトリオリス(メチレン)]トリ(ホスホノ)](6-)-N,OP,OP,OP]ニッケル(4-)カリウム	63588-33-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickelate(4-), [[[nitrioltris(methylene)]tris(phosphonato)(6-)-N,OP,OP,OP]]-, tetrasodium, (T-4)-	[[[ニトリトリス(メチレン)]トリス(ホスホネート)](6-)-N,OP,OP,OP]]-テトラソジウム(4-)	68052-00-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(4-), [[[nitrioltris(methylene)]tris(phosphonato)(6-)-N,OP,OP,OP]]-, triammonium hydrogen, (T-4)-	[[[ニトリトリス(メチレン)]トリス(ホスホネート)](6-)-N,OP,OP,OP]]-三アンモニウム水素(4-)	67968-22-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(4-), [22-[[[4-sulphophenylamino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(6-)-N29,N30,N31,N32]-, tetrahydrogen, (SP-4-2)-	[22-[[[4-スルホフェニルアミノ]スルホニル]-29H,31H-フタルシアニジン]-1,8,15-トリスルホネート(6-)-N29,N30,N31,N32]]-テトラ水素(4-)	70729-79-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(4-), [bis[[[3-[[[4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino]sulfonyl]-29H,31H-phthalocyaninedisulfonato(6-)-N29,N30,N31,N32]-, sodium	[ビス[[[3-[[[4,5-ジヒドロ-3-メチル-5-オキソ-1-[4-[[2-(スルホキシ)エチル]スルホニル]フェニル]-1H-ピラゾール-4-イル]アゾ]フェニル]アミノ]スルホニル]-29H,31H-フタルシアニジン]ジスルホネート(6-)-N29,N30,N31,N32]]-ナトリウム(4-)	90459-36-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(6-), [4-[[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulphophenyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfo-5-[[[trisulfo-29H,31H-phthalocyaninyl]sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexasodium	[4-[[5-[[[3,6-ジクロロ-4-ピリダジンイル]カルボニル]アミノ]-2-スルホフェニル]アゾ]-4,5-ジヒドロ-5-オキソ-1-[2-スルホ-5-[[[トリスルホ-29H,31H-フタルシアニジン]スルホニル]アミノ]フェニル]-1H-ピラゾール-3-カルボキシレート(8-)-N29,N30,N31,N32]]-ヘキサソジウム	93891-86-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(6-), [4-[[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulphophenyl]azo]-4,5-dihydro-5-oxo-1-[5-[[[trisulfo-29H,31H-phthalocyaninyl]sulfonyl]amino]-2-sulphophenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexahydrogen	[4-[[5-[[[3,6-ジクロロ-4-ピリダジンイル]カルボニル]アミノ]-2-スルホフェニル]アゾ]-4,5-ジヒドロ-5-オキソ-1-[5-[[[トリスルホ-29H,31H-フタルシアニジン]スルホニル]アミノ]-2-スルホフェニル]-1H-ピラゾール-3-カルボキシレート(8-)-N29,N30,N31,N32]]-ヘキサ水素(6-)	68698-80-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(6-), [C-[[[3-[[[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[[2-(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]azo]-4-sulphophenyl]amino]sulfonyl]-29H,31H-phthalocyanine-C,C,C-trisulfonato(8-)-N29,N30,N31,N32]-,	[C-[[[3-[[[4,5-ジヒドロ-3-メチル-5-オキソ-1-[3-スルホ-4-[[2-[2-(2,5,6-トリクロロ-4-ピリミジンイル)アミノ]フェニル]エチンイル]フェニル]-1H-ピラゾール-4-イル]アゾ]-4-スルホフェニル]アミノ]スルホニル]-29H,31H-フタルシアニジン]トリスルホネート(8-)-N29,N30,N31,N32]]-	72453-55-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(6-),[[[1,2-ethanediy]bis[nitriobis(methylene)]]tetrakis(phosphonato)](8-)), pentammonium hydrogen,(OC-6-21)-	[[[1,2-エタニール]ビス[ニトリオビス(メチレン)]]]テトラキス[リンホネート]](8-))-ペンタアンモニウム水素(6-)	68958-86-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(6-),[[[1,2-ethanediy]bis[nitriobis(methylene)]]tetrakis(phosphonato)](8-)), pentapotassium hydrogen,(OC-6-21)-	[[[1,2-エタニール]ビス[ニトリオビス(メチレン)]]]テトラキス[リンホネート]](8-))-ペンタポタシウム水素(6-)	68958-87-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(6-),[[[1,2-ethanediy]bis[nitriobis(methylene)]]tetrakis(phosphonato)](8-)), pentasodium hydrogen,(OC-6-21)-	[[[1,2-エタニール]ビス[ニトリオビス(メチレン)]]]テトラキス[リンホネート]](8-))-ペンタソジウム水素(6-)	68958-88-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelate(8-), bis[3-[[[2-amino-8-hydroxy-6-sulfo-1-naphthalenyl]azo]-2-hydroxy-5-sulfobenzoato(5-)-], hexasodium dihydrogen	ビス[3-[[[2-アミノ-8-ヒドロキシ-6-スルホ-1-ナフタレンイル]アゾ]-2-ヒドロキシ-5-スルホベンゾエート(5-)-]]-ヘキサソジウム二水素(8-)	72139-08-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Nickelocene	ニッケルセネ	1271-28-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													●
Octadecanoic acid, nickel(2+) salt	ステアリン酸ニッケル(II)	2223-95-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●									●				
Octanoic acid, nickel(2+) salt	オクタノ酸ニッケル(II)塩	4995-91-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●									●				
Oxalic acid, nickel salt	シュウ酸ニッケル(混合)	20543-06-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●									●				
Perchloric acid, nickel(2+) salt, hexahydrate	過塩素酸ニッケル(II)六水和物	13520-61-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●		●													
Phosphonic acid, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-, monoethyl ester, nickel(2+) salt (2:1)	O-イソプロピル-3,5-ジ-tert-ブチル-4-ヒドロキシベンジルメチル]モノエチルエステル]ニッケル(2+)塩(2:1)	30947-30-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Phosphoric acid, calcium nickel salt	リン酸カルシウムニッケル塩	17169-61-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●									●				
Phosphoric acid, nickel(2+) salt (2:3)	リン酸ニッケル	10381-36-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●									●				
Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O"]nickelate(1-)	[N,N-ビス(カルボキシル)グリシン]ニッケル(1-)	63640-18-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Rammelsbergite (NiAs2)	砒化ニッケル(NiAs2)	1303-22-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Silicic acid (H2SiO3), nickel(2+) salt (4:3)	ケイ酸(H2SiO3) ニッケル(Ⅱ) 塩(4:3)	31748-25-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●				
Spinels, cobalt nickel zinc grey	尖晶石(コバルトニッケル亜鉛グレー)	95046-47-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Sulfamic acid, nickel(2+) salt (2:1)	スルファミン酸ニッケル	13770-89-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●				
Sulfuric acid, ammonium nickel(2+) salt	ヒュス(硫酸)ニッケル(Ⅱ)アンモニウム六水和物	7785-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Sulfuric acid, nickel salt, reaction products with sulfurized calcium phenolate	硫化カルシウムフェノレートと反応した硫酸ニッケル塩	72162-32-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Sulfuric acid, nickel(2+) salt (1:1), heptahydrate	硫酸ニッケル七水和物	10101-98-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●																
Sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and nickel oxide (NiO)	ニッケルや酸化ニッケルと反応した硫酸ニッケル(Ⅱ) 塩(1:1)	68585-48-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Telluric acid (H2TeO3), nickel(2+) salt (1:1)	テルル酸(H2TeO3) ニッケル(Ⅱ) 塩(1:1)	15851-52-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●				
Telluric acid (H2TeO4), nickel(2+) salt (1:1)	テルル酸(H2TeO4) ニッケル(Ⅱ) 塩(1:1)	15852-21-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●				
Tetrahydrogen [[[3-amino-4-sulphophenyl]amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)	[[[[[3-アミノ-4-スルホフェニル]アミノ]スルホニル]-29H,31H-フタロシアニン三スルホン酸(6-)-N29,N30,N31,N32]ニッケル酸(4-) 四水素	79102-62-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Tetrasodium [[[3-amino-4-sulphophenyl]amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)	[[[[[3-アミノ-4-スルホフェニル]アミノ]スルホニル]-29H,31H-フタロシアニン三スルホン酸(6-)-N29,N30,N31,N32]ニッケル酸(4-) 四ナトリウム	93939-76-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Tetrasodium [bis[[4-[[2-(sulphoxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H,31H-phthalocyaninedisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)	[t"ス[[[4-[[2-(スルホキシ)エチル]スルホニル]フェニル]アミノ]スルホニル]-29H,31H-フタロシアニン二スルホン酸(6-)-N29,N30,N31,N32]ニッケル酸(4-) 四ナトリウム	97280-68-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Titanate(2-), hexafluoro-, nickel(2+), (1:1), (OC-6-11)	ヘキサフルオロ(2-)酸ニッケル(Ⅱ)(1:1)(炭素数6-11)	34109-80-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Trinickel bis(arsenate)	砒酸ニッケル	13477-70-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●				
Aluminiummagnesiumnickelsiliziumoxide	アルミニウムマグネシウムニッケルシリシウム酸化物	198831-12-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Antimony nickel titanium oxide yellow	C.I.ピグメント10-53	8007-18-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●	●															
Iron nickel zinc oxide	鉄、ニッケル、亜鉛の酸化物	12645-50-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Nickel, [[2,2'-(1,2-phenylenebis[(nitriolo-kappa.N)methylidyne]]bis[phenolato-kappa.O]](2-)]-		14406-71-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
5,5-Azobis(2,4,6-pyrimidinotriol), nickel complex	C.I.ピグメント10-150(アゾニッケル錯体染料)	68511-62-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Chrome iron nickel black spinel	C.I.ピグメント30(クロム鉄ニッケルブラックスピネル)	71631-15-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Nickel niobium titanium yellow rutile	C.I.ピグメント10-161(ニッケルニオブチタンイエロー)	68611-43-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●	●															
Nickel phosphate	リン酸ニッケル	14396-43-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Nickel sulfide	硫化ニッケル	11113-75-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●											●				
Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2)	リン酸ニッケル亜鉛塩(2:1:2)	90053-13-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															
Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2) tetrahydrate	リン酸ニッケル亜鉛(2:1:2) 四水和物	501953-51-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D		●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Reaction mass of melamine and nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes		EC 939-379-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D																
Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.	銅、鉄、鉛(ト)の残渣の非水溶性亜硫酸化合物	102110-49-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D/P			●													
Silicic acid, lead nickel salt	矽酸鉛ニカル塩	68130-19-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D/P			●										●			
Sulfamic acid, nickel(2+) salt (2:1), tetrahydrate (9CI)		124594-15-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D			●													
Waste solids, chromium-nickel steel manuf.		91082-81-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Waste solids, nickel-manuf.		91082-84-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ethylenediaminetetraacetic Acid Disodium Nickel(II) Salt Hydrate		11079-07-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Dipotassium tetracyanonickelate hydrate		339527-86-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(II) carbonate hydroxide tetrahydrate		12244-51-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel sulfide (NiS2)		12035-51-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
nickel(2+) disodium 2,2',2''-(ethane-1,2-diylidinitrilo)tetraacetate		15708-55-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel hexafluorosilicate		26043-11-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Silicic acid, nickel salt	矽酸ニカル塩	37321-15-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Nickel hexafluorozirconate(2-)		30868-55-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetrakis(tritoyl phosphite )nickel		35884-66-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Citric acid, nickel salt	クワ酸ニカル塩	22605-92-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Nickel uranyl tetraacetate, of uranium depleted in uranium-235		71767-12-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(1,3-dioxobutyl)amino]phenyl]amino]sulfonyl derivs.		72828-53-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Fatty acids, (C=3-22), nickel salts, basic		91845-72-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel Sulfide (Ni5S3)		97599-06-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel Sulfide (Ni5S4)		97599-07-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel Sulfide (Ni5S6)		97599-08-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel Sulfide (Ni9S5)		98443-26-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickelate(1-), (formato-O)[sulfato(2-)-O]-, hydrogen		125275-86-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickelate(1-), (acetato-O)[sulfato(2-)-O]-, hydrogen		125275-87-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickelate(1-), [3-hydroxy-4-[(4-methyl-3-sulfoophenyl)azo]-2-naphthalenecarboxylato(3-)]-, hydrogen		125378-87-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel sulfide (Ni(HS)2)		27911-69-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Nickel, tris(neodecanoato- $\kappa$ 3-O)[ $\mu$ -3-(orthoborato(3-)- $\kappa$ 3-O: $\kappa$ 3-O): $\kappa$ 3-O]]tri-		936576-64-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel carbonate hydroxide (Ni5(CO3)2(OH)6)		12122-15-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel arsenide sulfide		12255-10-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel selenide (Ni3Se2)		12137-13-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium nickel sulfate ((NH4)2Ni2(SO4)3) (6Cl,7Cl)		25749-08-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel tartrate		10471-42-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Perchloric acid, nickel salt		41743-88-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickelate(Ni4O5)(1-), lithium		67163-62-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(2+) hydrogen sulfate		44121-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Copper, bis(8-quinolinolato-N1,O8)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH)2)		97660-42-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Speiss, lead, nickel-contg.		98246-91-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetrasodium (c-(3-(1-(3-(e-6-dichloro-5-cyanopyrimidin-f-yl(methyl)amino)propyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo)-4-sulfonatophenylsulfamoyl)phthalocyanine-a,b,d-trisulfonato(6-))nickelato II, where a is 1 or 2 or 3 or 4, b is 8 or 9 or 10 or 11, c is 15 or 16 or 17 or 18, d is 22 or 23 or 24 or 25 and where e and f together are 2 and 4 or 4 and 2 respectively		148732-74-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Hexasodium (di-[N-(3-(4-[5-(5-amino-3-methyl-1-phenylpyrazol-4-yl-azo)-2,4-disulfo-anilino]-6-chloro-1,3,5-triazin-2-ylamino)phenyl]-sulfamoyl](di-sulfo)-phthalocyaninato)nickel		151436-99-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
dinickel(2+) sodium bis(3-carboxy-5-[(E)-2-(7-oxido-2,6-disulfonaphthalen-1-yl)diazen-1-yl]-1H-1,2,4-triazol-1-ide)		738587-10-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel, compound with Titanium (1:1)		52013-44-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel, [29H,31H-phthalocyaninato(2-)-[?N29,[?N30,[?N31,[?N32]-, [[3-(5-chloro-6-fluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfo derivs., sodium salts		134737-17-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel, [29H,31H-phthalocyaninato(2-)-[?N29,[?N30,[?N31,[?N32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., sodium salts		131866-99-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Phosphinic acid, nickel(2+) salt, hexahydrate		13477-97-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel, dichloro[1,1'-(1,3-propanediyl)bis[1,1-diphenylphosphine-[?P]]]-		15629-92-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Bunsenite (NiO)		34492-97-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Nickel sulfide (millerite)		1314-04-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
nickel dilactate	ジラクトンニッケル	16039-61-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
nickel potassium fluoride	フッ化ニッケルカリウム	11132-10-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
diammonium nickel hexacyanoferrate	ジアンモニウムニッケルヘキサシアノ鉄	74195-78-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
trinickel tetrasulfide	トリニッケルテトラ硫黄	12137-12-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
tr nickel bis(arsenite)	トリニッケル二(亜砒酸)	74646-29-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Cobalt nickel oxide	コバルトニッケル灰色の"リチウム"; C.I.と"グメント コバルトニッケル酸化物	12737-30-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Nickel boride phosphide	リン酸ニッケル硼素	65229-23-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Hexaaminenickel(II) chloride		10534-88-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Dibromobis(tributylphosphine)nickel(II)		15242-92-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Dichlorobis(trimethylphosphine)nickel(II)		19232-05-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
N,N'- Bis(salicylidene)ethylenediaminonickel(II)		14167-20-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetraethylammonium tetrachloronickelate(II)		5964-71-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Bis(tricyclohexylphosphine)nickel(II) Dichloride		19999-87-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Dichlorobis(tributylphosphine)nickel(II)		15274-43-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(II) bromide 2-methoxyethyl ether complex		312696-09-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetrakis(triphenylphosphine)nickel(0)		15133-82-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
dichloronickel;1,2-dimethoxyethane		29046-78-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(II) bromide ethylene glycol dimethyl ether complex		28923-39-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
1,2-Bis(diphenylphosphino)ethane nickel(II) chloride		14647-23-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(II) sulfate hexa- / heptahydrate		15244-37-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(II) 1,4,8,11,14,18,22,25-octa-n- butoxy-29H,31H-phthalocyanine		155773-71-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
NICKEL(II) TRIFLUOROMETHANESULFONATE		60871-84-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(II) tetrafluoroborate hexahydrate		15684-36-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetrabutylammonium Bis(1,3-dithiole-2- thione-4,5-dithiolato)nickel(III) Complex		68401-87-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel(II) chloride hydrate		69098-15-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nitric acid, nickel(2+) salt, tetrahydrate		16456-84-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Carbonic acid, nickel(2+) salt (1:1), hexahydrate		17030-82-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel chloride (NiCl2), dihydrate		17638-48-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nitric acid, nickel(2+) salt, octahydrate		18534-07-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
2- [bis(carboxylatomethyl)amino]acetate;nickel(3+)		22965-60-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nitric acid, nickel(2+) salt, dihydrate		23232-50-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nickel chloride (NiCl2), tetrahydrate		34304-82-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA		
Nickel, bis[(2-phenyldiazene-carbothioic acid-κS)-2-phenylhydrazidato-κN2]-		12213-15-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel hydride		37187-84-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., potassium sodium salts		113894-88-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickelate(6-), [4-[2-[5-[[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfo-phenyl]diazonyl]-4,5-dihydro-5-oxo-1-[5-[[[C,C,C-trisulfo-29H,31H-phthalocyanin-C-yl]sulfonyl]amino]-2-sulfo-phenyl]-1H-pyrazole-3-carboxylato(8-)-κN29,κN30,κN31,κN32]-, sodium		113894-89-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel disulfide		12035-50-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel Sulfide (Ni9S8)		12035-77-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Polydymite (Ni3S4)		12059-21-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel sulfide (Ni2S)		12137-08-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel carbide (NiC)		12167-08-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Carbamic acid, ethylenebis(dithio-, nickel(II) salt		12275-13-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel oxide (Ni2O)		12359-17-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel sulfide (Ni7S6)		12503-53-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nitric acid, nickel(2+) salt, hydrate		13778-29-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel chloride(NiCl)		13931-83-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Sulfuric acid, nickel(2+) salt (1:1), monohydrate		14168-76-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickelate(2-), tetracyano-, dipotassium, hydrate		14323-41-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel, bis(hexahydro-1H-azepine-1-carbodithioato-κS1,κS'1)-, (SP-4-1)-		14434-67-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Octadecanoic acid, nickel salt		14448-69-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nitric acid, nickel(3+) salt		15099-34-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickelate(1-), trichloro-, ammonium, hexahydrate		16122-03-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Trinickel phosphide		12059-19-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickel subselenide		12255-80-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Acetohydroxamic acid, N-fluoren-2-yl-, nickel(2+) complex		14751-76-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Cinnamic acid, nickel(II) salt		63938-16-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Nickelate(2-), tetrakis(cyano-C)-, (SP-4-1)-		48042-08-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															
Antimony nickel titanium oxide		54576-53-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Sulfuric acid, nickel(2+) salt (1:1), tetrahydrate		61092-77-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Sulfuric acid, nickel(2+) salt (1:1), pentahydrate		66341-42-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Sulfuric acid, nickel(2+) salt (1:1), dihydrate		66634-47-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Godlevskite (Ni7S6)		66732-80-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel Sulfide (Ni4S)		67272-59-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, [(3-aminophenyl)amino]sulfonyl sulfo derivs.		68412-19-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel, dextrin complexes		68412-20-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel, [N-(4-chlorophenyl)-3-[2-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]methylene]hydrazinylidene-κN2]-α-cyano-1H-isindole-3-acetamidato(2-)-κN2,κO3]-		106887-33-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel Sulfide (Ni7S3)		84013-51-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Sulfuric acid, nickel(2+) salt (1:1), trihydrate		85017-75-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel Sulfide (Ni3S5), trihydrate		86498-45-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel diformate	ニキ酸ニホルム	3349-06-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Nickel(2+) propionate	プロピオン酸ニホルム(II)	3349-08-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Hexakis(1H-imidazole-N3)nickel(2+) dichloride		15751-00-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel triuranium decaoxide		15780-33-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Formic acid, nickel salt	ホルム酸ニホルム塩	15843-02-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Nickel(2+) hydrogen citrate	ニホルム(II)シトル酸水素	18721-51-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Di-μ-carbonylbis(η5-2,4-cyclopentadien-1-yl)nickel		12170-92-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Trinickel bis[tetracosam-μ-oxododecaoxo[μ12-[phosphato(3-)-O:O:O:O:O:O:O:O:O:O:O:O:O:O:O:O]]]decamolybdate(3-)		12263-13-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Trihydrogen hydroxybis(orthosilicato(4-))trinickelate(3-)		12519-85-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Dicarbonylbis(triphenylphosphine)nickel		13007-90-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Tetrakis(trifluorophosphine)nickel		13859-65-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Disodium tetracyanonickelate(2-)		14038-85-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Nickel tungsten tetraoxide	ニホルムタングステン四酸化物	14177-51-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Molybdenum nickel tetraoxide	モリブデン四酸化物	14177-55-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●				
Bis(triphenylphosphine)nickel(II) chloride		14264-16-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Bis(1-nitrosophthalen-2-olato-N1,O2)nickel		14406-66-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Bis[bis(2-ethylhexyl)dithiocarbamate-S,S']nickel		14428-08-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
(butylamine)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-O,S)]nickel		14516-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Bis(6-methylheptane-2,4-dionato-O,O')nickel		14522-99-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Dinickel hexacyanoferrate	ジニッケルヘキサシアノ鉄	14874-78-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●											●			
Nickel oxalate	シュウ酸ニッケル	547-67-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●											●			
Trinickel dicitrate		6018-92-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Nickel, 3-[(4-chlorophenyl)azo]-4-hydroxy-2(1H)-quinolinone complex		61725-51-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
[2,3'-bis[[2-hydroxyphenyl)methylene]amino]but-2-enedinitrilo(2-)-N2,N3,O2,O3]nickel		64696-98-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Molybdenum nickel hydroxide oxide phosphate	酸化モリブデン水酸化ニッケル	68130-36-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●											●			
Formic acid, copper nickel salt	ホルム酸、銅ニッケル塩	68134-59-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●											●			
Cobalt nickel gray periclase	コバルトニッケルグレーペリクル; C.I. 77332	68186-89-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●											●			
Nickel ferrite brown spinel		68187-10-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Resin acids and Rosin acids, nickel salts		68334-36-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs.		68412-18-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Zinc sulfide (ZnS), nickel and silver-doped		68512-22-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Olivine, nickel green		68515-84-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●											●			
Zinc sulfide (ZnS), copper and nickel-doped		68585-93-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Resin acids and Rosin acids, calcium nickel salts		68607-31-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Hexaamminenickel(2+) diformate		68758-60-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Zinc sulfide (ZnS), copper and nickel and silver-doped		68784-84-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Slags, ferronickel-manufg.		69012-29-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Matte, nickel	ニッケルマッテ	69012-50-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●											●			
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[[4-aminophenyl]sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium salts		94891-42-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[[4-aminophenyl]sulfonyl]ethyl hydrogen sulfate monosodium salt, sodium salts		94891-43-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Nitrites, all members	亜硝酸塩、全て		Observation			D/P																
Ammonium nitrite	亜硝酸アンモニウム	13446-48-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Amyl nitrite	亜硝酸アミル	110-46-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Barium nitrite hydrate	亜硝酸バリウム水和物	115216-77-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Butyl nitrite	亜硝酸n-ブチル	544-16-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Cadmium dinitrite	二亜硝酸カルシウム	7790-83-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P		●														
Calcium nitrite	亜硝酸カルシウム	13780-06-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Calcium nitrite hydrated	亜硝酸カルシウム水和物	10031-34-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Cobaltate(3-), hexakis(nitrito-N)-, tripotassium, (OC-6-11)-	六硝酸コバルト(Ⅲ)酸カリウム	13782-01-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Cobaltate(3-), hexakis(nitrito-O)-, trisodium, (OC-6-11)-	六硝酸コバルト(Ⅲ)酸ナトリウム	14649-73-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Ethyl nitrite	亜硝酸エチル	109-95-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Isobutyl nitrite	亜硝酸イソブチル	542-56-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D												●		●		
Magnesium nitrite	亜硝酸マグネシウム	15070-34-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Nickel nitrite	亜硝酸ニッケル	17861-62-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●														
Potassium nitrite	亜硝酸カリウム	7758-09-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Silver nitrite	亜硝酸銀(Ⅰ)	7783-99-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Sodium nitrite	亜硝酸ソーダ	7632-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
tert-Butyl nitrite	亜硝酸tert-ブチル	540-80-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Dicyclohexylammonium nitrite	ジシクロヘキシルアミン亜硝酸塩	3129-91-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Diethyldihexadecylammonium nitrite (6Cl, 7Cl)	亜硝酸ジエチルヘキサデシルアミン	105841-28-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Diisopropylammonium nitrite	亜硝酸ジイソプロピルアミン	34915-40-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Morpholin, Nitrite (9Cl)	亜硝酸モルフィン	62076-93-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Nitrous acid, lead(2+) salt	亜硝酸鉛塩	13826-65-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P		●														
Pentyl nitrite	亜硝酸ペンチル	463-04-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Butan-2-yl nitrite	亜硝酸sec-ブチル	924-43-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Trisodium hexanitritocobaltate	六硝酸コバルト(Ⅲ)酸ナトリウム	13600-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
4-Nitrobiphenyl and its salts, all members	4-ニトロビフェニルおよびその塩、全て		Prohibited			P																
4-Nitrobiphenyl (4-Nitrodiphenyl)	4-ニトロビフェニル	92-93-3	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	P		●							●		●		●			
Nitrocellulose	ニトロセルロース	9004-70-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
N-Nitrosamines, selected	N-ニトロソアミン類、抜粋		Observation			D/P																
N-Nitroso diethanol amine	N-ニトロソジエタノールアミン	1116-54-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D												●		●		
N-Nitroso diethyl amine (Ethanamine, N-ethyl-N-nitroso- )	N-ニトロソジエチルアミン	55-18-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
Dimethylnitrosoamine; N-nitrosodimethylamine Methanamine, N-methyl-N-nitroso-	N-ニトロソジメチルアミン	62-75-9	Prohibited	All applications and products	Intentionally added	P												●	●	●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
N-Nitroso ethyl phenyl amine	N-ニトロソエチルフェニルアミン	612-64-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
N-Nitroso methyl ethyl amine	N-ニトロソメチルエチルアミン	10595-95-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
N-Nitroso methyl phenyl amine	N-ニトロソメチルフェニルアミン	614-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
N-Nitroso morpholine Morpholine, 4-nitroso-	N-ニトロソモルホリン	59-89-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
N-Nitroso pyrrolidine	N-ニトロソピロリジン	930-55-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
N-Nitrosodi-i-propyl amine	N-ニトロソジイソプロピルアミン	601-77-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
N-Nitrosodi-n-butylamine (1-Butanamine, N-butyl-N-nitroso- )	N-ニトロソジ-n-ブチルアミン	924-16-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
N-Nitrosodi-n-propyl amine	ジ-n-プロピルニトロソアミン	621-64-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D												●			●	
N-Nitrosopiperidine	1-ニトロソピペリジン	100-75-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
4-Nonylphenol, branched and linear, all members	4-ノニルフェノール(分岐および直鎖)、全て		Observation			D																
4-Nonylphenol	4-ノニルフェノール	104-40-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
p-Isononylphenol		26543-97-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
p-(1-Methyloctyl)phenol		17404-66-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
p-(1,1-Dimethylheptyl)phenol		30784-30-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
4-(1-Ethyl-1-methylhexyl)phenol		52427-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
4-(1-Ethyl-1,3-dimethylpentyl)phenol		186825-36-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
4-(1-Ethyl-1,4-dimethylpentyl)phenol		142731-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
Branched 4-nonylphenol	分岐 4-ノニルフェノール	84852-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
Phenol, nonyl-, branched		90481-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
4-(3-ethylheptan-2-yl)phenol		186825-39-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
4-(1,1,5-Trimethylhexyl)phenol		521947-27-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Isononylphenol		11066-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Nonylphenol		25154-52-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●	●	●													
4-Nonylphenol, branched and linear, ethoxylated, all members			Prohibited			D/P																
Ethanol, 2-(4-nonylphenoxy)-		104-35-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●													
2-[2-(Nonylphenoxy)Ethoxy]Ethanol		27176-93-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●													
4-t-Nonylphenol-diethoxylate		156609-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●													
2-(2-(4-Nonylphenoxy)ethoxy)ethanol		20427-84-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Ethanol, 2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]-	2-(2-(2-(2-(4-ノニルフェノキシ)エトキシ)エトキシ)エトキシ)エトキシ-1-オール	7311-27-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
14-(Nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol	ノニルフェノキシトリス(5)エチレングリコール	26264-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
p-Nonylphenol hexaethoxylate		34166-38-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol		27942-27-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
23-(nonylphenoxy)-3,6,9,12,15,18,21-Heptaaxtricosan-1-ol	ノニルフェノキシヘプタ(7.5)エチレングリコール	27177-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol	26-ノニルフェノキシ-3,6,9,12,15,18,21, 24-オクタオキサヘキサコサン-1-オール	26571-11-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
Nonaethylene glycol p-nonylphenyl ether; NONOXYNOL 9		14409-72-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
29-(Nonylphenoxy)-3,6,9,12,15,18,21,24,27-Nonaaxanonacosanol		27177-08-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
Decaethylene glycol, isononylphenyl ether		65455-72-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
Nonylphenol polyethylene glycol ether		27177-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
Ethylene oxide-Nonylphenol polymer	ノニルフェノキシエチレングリコールエーテル	9016-45-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●	●													
Poly(oxy-1,2-ethanediyl), .alpha.- (isononylphenyl)-.omega.-hydroxy-	ノニルフェノキシ(1,2-エタナジール)オキシド-ω-(イソノニルフェノキシ)-オキシド-ヒドロキシ	37205-87-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●	●													
Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	(ノニルフェノキシ-1, 2-エタナジール)α-(4-ノニルフェノキシ)-ω-ヒドロキシ分岐型重合体	127087-87-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●	●													
Poly (oxy-1,2-ethanediyl), alpha - (nonylphenyl)-omega-hydroxy-, branched	α-ノニルフェノキシ-ω-ヒドロキシノニルフェノキシ-1,2-エタナジール(分岐型)	68412-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●	●													
Poly (oxy-1,2-ethanediyl), alpha -(4-nonylphenyl)-omega-hydroxy -	p-ノニルフェノキシ(1,2-エタナジール)オキシド-ω-ヒドロキシ	26027-38-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●	●													
Nonylphenol polyethylene glycol ether	ノニルフェノキシエチレングリコールエーテル	20636-48-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●														
O,O,O-triphenyl phosphorothioate		597-82-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Octadecanamine		124-30-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Octamethylcyclotetrasiloxane		556-67-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●	●	●					●									
Octamethyltrisiloxane		107-51-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●															
4,4'-oxydianiline	4,4'-オキシジアニリン	101-80-4	Prohibited	All applications and products	Relative to the weight of component parts and materials 100	D	●	●											●		●		
Ozone depleting halogenated Hydrocarbons and Carbons, all members	オゾン層破壊をもたらすハロゲン化炭化水素と炭素、全て		Prohibited			P																	
1,1,1,2-Tetrachlor-2,2-difluoroethane	1,1-ジクロロ1,1,2-ジフルオロエタン	76-11-9	Prohibited	All applications and products	Intentionally added	P	●																
1,1,1,3,3,3-Hexachlor-2,2-difluoropropane	1,1,1,3,3,3-ヘキサクロロ2,2-ジフルオロプロパン(CFC212)	3182-26-1	Prohibited	All applications and products	Intentionally added	P	●																
1,1,1,3,3-Pentachlor-2,2,3-trifluoropropane	1,1,1,3,3-ペンタクロロ2,2,3-トリフルオロプロパン	2354-06-5	Prohibited	All applications and products	Intentionally added	P	●																
1,1,1,3-Tetrachlorotetrafluoropropane	1,1,1,3-テトラクロロテトラフルオロプロパン	2268-46-4	Prohibited	All applications and products	Intentionally added	P	●																
1,1,1-Trichloropentafluoropropane	1,1,1-トリクロロペンタフルオロプロパン	4259-43-2	Prohibited	All applications and products	Intentionally added	P	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,1,2-trichloro-1,2,2-trifluoroethane	1,1,2-トリクロロ-1,2,2-トリフルオロエタン	76-13-1	Prohibited	All applications and products	Intentionally added	P	●																
1,1-Dibromo-1,2,2,2-tetrafluoroethane	1,1-ジブロム-1,2,2,2-テトラフルオロエタン	27336-23-8	Prohibited	All applications and products	Intentionally added	P																	
1,1-Dichloro-1,2,2,2-tetrafluoroethane	1,1-ジクロロ-1,2,2,2-テトラフルオロエタン	374-07-2	Prohibited	All applications and products	Intentionally added	P																	
1,2,2-Trichloropentafluoropropane	1,2,2-トリクロロペンタフルオロプロパン	1599-41-3	Prohibited	All applications and products	Intentionally added	P	●																
1,2,3-Trichloropentafluoropropane	1,2,3-トリクロロペンタフルオロプロパン(別名CFC215)	76-17-5	Prohibited	All applications and products	Intentionally added	P	●																
1,2-Dichloro-1,1,2,3,3,3-hexafluoroethane	1,2-ジクロロ-1,1,2,3,3,3-ヘキサフルオロエタン	661-97-2	Prohibited	All applications and products	Intentionally added	P	●																
1,2-Dichloro-1,1,3,3,3-pentafluoropropane	1,2-ジクロロ-1,1,3,3,3-ペンタフルオロプロパン(別名:HCFC-225)	127564-92-5	Prohibited	All applications and products	Intentionally added	P	●																
1,2-Difluorotetrachloroethane	1,1,2,2-テトラフルオロ-1,2-ジフルオロエタン	76-12-0	Prohibited	All applications and products	Intentionally added	P	●																
Bromochlorodifluoromethane	ジブロムジフルオロメタン	353-59-3	Prohibited	All applications and products	Intentionally added	P	●																
Bromofluoromethane	ジブロムフルオロメタン	373-52-4	Prohibited	All applications and products	Intentionally added	P	●																
Bromotrifluoromethane	ジブロムトリフルオロメタン	75-63-8	Prohibited	All applications and products	Intentionally added	P	●																
Carbon tetrachloride	四塩化炭素	56-23-5	Prohibited	All applications and products	Intentionally added	P	●						●								●		
Chlorobromomethane	ジクロロメタン	74-97-5	Prohibited	All applications and products	Intentionally added	P	●																
Chlorotrifluoromethane	クロロトリフルオロメタン	75-72-9	Prohibited	All applications and products	Intentionally added	P	●																
Cryofluorane	ジクロロジフルオロメタン(CFC114)	76-14-2	Prohibited	All applications and products	Intentionally added	P	●																
Dibromotetrafluoroethane	ジブロムテトラフルオロエタン	25497-30-7	Prohibited	All applications and products	Intentionally added	P																	
Dibromotetrafluoroethane (Halon 2402)	ジブロムテトラフルオロエタン	124-73-2	Prohibited	All applications and products	Intentionally added	P	●																
Dichlorodifluoromethane	ジクロロジフルオロメタン	75-71-8	Prohibited	All applications and products	Intentionally added	P	●																
dichlorotetrafluoroethane	ジクロロテトラフルオロエタン	1320-37-2	Prohibited	All applications and products	Intentionally added	P																	
Heptachlorofluoropropane	ヘプタクロロフルオロプロパン(CFC211)	135401-87-5	Prohibited	All applications and products	Intentionally added	P	●																
Heptachlorofluoropropane	ヘプタクロロフルオロプロパン(CFC211)	422-78-6	Prohibited	All applications and products	Intentionally added	P	●																
Heptafluoropropyl chloride	ヘプタフルオロプロピルクロライド	422-86-6	Prohibited	All applications and products	Intentionally added	P	●																
Hexachlorodifluoropropane	ヘキサクロロジフルオロプロパン	134452-44-1	Prohibited	All applications and products	Intentionally added	P																	
Methyl bromide (Bromomethane)	臭化メチル	74-83-9	Prohibited	All applications and products	Intentionally added	P	●														●		
Monochloropentafluoroethane	モノクロロペンタフルオロエタン	76-15-3	Prohibited	All applications and products	Intentionally added	P	●																
Pentachlorofluoroethane	ペンタクロロフルオロエタン	354-56-3	Prohibited	All applications and products	Intentionally added	P	●																
Pentachlorotrifluoropropane	ペンタクロロトリフルオロプロパン(別名CFC-213)	134237-31-3	Prohibited	All applications and products	Intentionally added	P	●																
Tetrachlorotetrafluoropropane	テトラクロロテトラフルオロプロパン	29255-31-0	Prohibited	All applications and products	Intentionally added	P	●																

5. List of NSK Environmentally Harmful Substances (details)

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Trichlorofluoromethane	トリクロロフルオロメタン	75-69-4	Prohibited	All applications and products	Intentionally added	P	●															
Trichlorotrifluoroethane	CFC-113(トリクロロトリフルオロエタン)	26523-64-8	Prohibited	All applications and products	Intentionally added	P																
Trichlorotrifluoroethane	CFC-113(トリクロロトリフルオロエタン)	354-58-5	Prohibited	All applications and products	Intentionally added	P	●															
1,1,1,2,3,3,3-Heptachloro-2-fluoropropane (CFC-211ba)		422-81-1	Prohibited	All applications and products	Intentionally added	-	●															
Dibromodifluoromethane	ジブロモジフルオロメタン	75-61-6	Prohibited	All applications and products	Intentionally added	-	●															
Bromoethane (ethyl bromide)		74-96-4	Prohibited	All applications and products	Intentionally added	-	●														●	
Trifluoroiodomethane (trifluoromethyl iodide)		2314-97-8	Prohibited	All applications and products	Intentionally added	-	●															
Chloromethane (methyl chloride)		74-87-3	Prohibited	All applications and products	Intentionally added	-	●															●
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)		90454-18-5	Prohibited	All applications and products	Intentionally added	-	●															
Pentachlorobenzene	ペンタクロロベンゼン	608-93-5	Prohibited	All applications and products	Intentionally added	P						●					●		●			
Pentachlorophenol (PCP) and its salts and esters, all members	4-ニルフェノール (分岐および直鎖)、エトキシレート、全て		Prohibited			P																
Methyl(pentachlorophenolato)mercury	メチル水銀(Ⅱ)ペンタクロロフェネート	5902-76-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	P						●					●					
Pentachlorophenol	ペンタクロロフェノール	87-86-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	P	●					●					●			●		
Potassium pentachlorophenate (Phenol, 2,3,4,5,6-pentachloro-, potassium salt (1:1))	カリウムペンタクロロフェネート	7778-73-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	P	●					●					●					
Sodium Pentachlorophenate Phenol, 2,3,4,5,6-pentachloro-, sodium salt (1:1)	ナトリウムペンタクロロフェネート	131-52-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	P	●					●					●					
Zinc bis(pentachlorophenolate)	ペンタクロロフェノール亜鉛	2917-32-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	P	●					●					●					
Carbonic acid, 1,1-dimethylethyl pentachlorophenyl ester		18942-25-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●										●					
Acetic acid, 2,2,2-trichloro-, 2,3,4,5,6-pentachlorophenyl ester		2879-60-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●										●					
Acetic acid, 2,2-dichloro-, 2,3,4,5,6-pentachlorophenyl ester		19745-69-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●										●					
Pentachlorophenyl = N (2) - [(benzyloxy) carbonyl] -L-glutamate		13673-51-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●					●					●					
Pentachlorophenyl = N - [(benzyloxy) carbonyl] -L-isoleuccinate		13673-53-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●					●					●					
Pentachlorophenyl = (R) -2 - {[(benzyloxy) carbonyl] amino} -3- (benzylsulfanyl) propanoate		13673-54-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●					●					●					
Pentachlorophenyl = N - {[(4-methoxybenzyl) oxy] carbonyl} -L-serinate		23234-97-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●					●					●					
Pentachlorophenyl = (S) -5-oxopyrrolidine-2-carboxylate		28990-85-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●					●					●					
Pentachlorophenyl = laurate		3772-94-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-	●					●					●					

5. List of NSK Environmentally Harmful Substances (details)

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Trimethylcetylammonium pentachlorophenate		87-76-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●				●					
Copper (II) = bis (2,3,4,5,6-pentachlorophenolate)		2917-31-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Tributyl (pentachlorophenoxy) tin		3644-38-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Bis (pentachlorophenyl) = carbonate		7497-08-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Pentachlorophenyl = oleate		10443-46-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Sodium = pentachlorophenolate decahydrate		27735-63-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Sodium = pentachlorophenolate monohydrate		27735-64-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Triethanolamine-penta-chlorophenolate		32978-79-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Compound of abieta-8(14),9(11),12-trien-18-amine and pentachlorophenol		35109-57-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Pentachlorophenyl salicylate		36994-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
(R) -5-oxopyrrolidine-2-carboxylic acid pentachlorophenyl		50654-95-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Pentachlorophenyl = N - [(benzyloxy) carbonyl] -L-tyrosinate		55593-07-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Calcium bis (pentachlorophenolate)		55868-72-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Pentachlorophenyl = 5-oxopyrrolidine-2-carboxylate		67246-71-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
The compound of coco-alkylamine and pentachlorophenol (1: 1)		90640-52-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Quaternary ammonium compounds, coco alkyltrimethyl, salts with pentachlorophenol		91080-93-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Pentachlorophenyl ester of fatty acid (C = 8 to 12)		98219-40-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Pentachlorophenyl ester of fatty acid (C = 16 to 18)		98219-41-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 5	-							●					●				
Perchlorates, all members	過塩素酸塩、全て		Observation			D/P																
Ammonium perchlorate	過塩素酸アモニウム	7790-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●															
Barium perchlorate	過塩素酸バリウム	13465-95-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●															
Lead perchlorate	過塩素酸鉛(Ⅱ)	13637-76-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●	●														
Lithium Perchlorate	過塩素酸リチウム	7791-03-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●															
Magnesium Perchlorate	過塩素酸マグネシウム	10034-81-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●															

5. List of NSK Environmentally Harmful Substances (details)

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Perchloric acid, reaction products with lead oxide (pbo) and triethanolamine	酸化鉛(P bO)とトリエタノールアミンによる反応生成物の過塩素酸	99749-31-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Perchloric acid, cobalt (2+) salt	過塩素酸コバルト	13455-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●																
Perchloric acid, mercury(2+) salt	過塩素酸第二水銀	7616-83-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●																
Perchloric acid, nickel(2+) salt, hexahydrate	過塩素酸ニッケル(Ⅱ)六水和物	13520-61-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●	●															
Nickel perchlorate	過塩素酸ニッケル(Ⅱ)	13637-71-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	D	●	●											●				
Potassium Perchlorate	過塩素酸カリウム	7778-74-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●																
Sodium Perchlorate	過塩素酸ナトリウム	7601-89-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●																
Thallium(3+) perchlorate	三過塩素酸チタム(Ⅲ)	15596-83-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●																
Per and Poly- fluoroalkyl substances (PFAS)		-	Observation			D																	
Perfluorobutane sulfonic acid (PFBS) and its salts, all members	パーフルオロブタンサルホン酸 (PFBS) およびその塩、全て		Observation			D																	
Nonafluorobutane-1-sulphonic acid		375-73-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●															
Potassium nonafluorobutane-1-sulfonate		29420-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●															
PFHxA, Undecafluorohexanoic acid, its salts and PFHxA related substances		-	Observation			D																	
PFHxA and its salts	PFHxAおよびその塩		Observation			D																	
Ammonium undecafluorohexanoate		21615-47-4	Observation	All applications and products	25 ppb, except for fluoropolymers 500 ppm in fluoropolymers	D	●																
sodium undecafluorohexanoate		2923-26-4	Observation	All applications and products	25 ppb, except for fluoropolymers 500 ppm in fluoropolymers	D	●																
undecafluorohexanoic acid		307-24-4	Observation	All applications and products	25 ppb, except for fluoropolymers 500 ppm in fluoropolymers	D	●																
PFHxA related substances	PFHxA関連物質		Observation			D																	
Chlorodimethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-nonyl)silane		102488-47-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
sodium hydrogen (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-nonyl)phosphonate		1189052-95-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-nonyl)phosphonic acid monoethyl ester		1189052-97-8	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl methacrylate		1228350-17-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
lithium 2-(bis(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluoro-2-hydroxynonyl)amino)ethane-1-sulfonate		1262880-17-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-hydroxynonyl acrylate		127377-12-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
Triethoxy[5,5,6,6,7,7,7-heptafluoro-4,4bis(trifluoromethyl)heptyl]silane		130676-81-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4(trifluoromethyl)pentane		132182-92-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
(perfluorohexyl)hexadecane		133310-71-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●																
1-(Perfluorohexyl)octane		133331-77-8	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●																
Trimethyl(tridecafluorohexyl)silane		135841-49-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	

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4,4,5,5,6,7,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl acrylate		16083-76-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
4,4,5,5,6,7,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl methacrylate		16083-79-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl acrylate		17527-29-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
bromotris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		175354-31-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		175354-32-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
ammonium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanesulfonate; reaction mass of: 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanesulfonic acid		182176-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
(prop-2-en-1-yl)tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		192212-66-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Tris[4-(tridecafluorohexyl)phenyl]phosphine		193197-68-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane		2043-57-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
1H,1H-Tridecafluoro-1-iodoheptane		212563-43-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate		2144-53-8	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
Tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phenyl]phosphine		219985-31-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-		252237-40-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooct-1-ene		25291-17-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
1H-Tridecafluoro-3,3-dimethylhex-1-yne		261503-44-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester		26650-09-9	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Methyl Perfluoroamyl Ketone		2708-07-8	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonyl chloride		27619-89-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonic acid		27619-97-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
2H,2H,3H,3H-Perfluorononanoic acid		27854-30-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
Perfluorohexanoic Anhydride		308-13-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
1-Methyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)imidazolium hexafluorophosphate		313475-50-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)tin oxide		324063-66-3	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Perfluorohexanoyl chloride		335-53-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
1-bromo-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane		335-56-8	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide		34451-26-8	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-octane-1-sulfonamide		34455-22-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Carboxymethyl-dimethyl-3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulphonyl]amino]propylammonium hydroxide		34455-29-3	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
1H,1H-Undecafluorohexylamine		355-34-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
Perfluorohexanoyl fluoride		355-38-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●																
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodohexane		355-43-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyl alcohol		356055-76-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
Diisopropyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		356056-14-9	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
4-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]butane-1thiol		36097-07-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol		375-82-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
Ethyl Perfluoroamyl Ketone		383177-55-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodononane		38550-34-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)oxirane		38565-52-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
1-hexanol, 2,2,3,3,4,4,5,5,6,6-undecafluoro-		423-46-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
1H,1H-Tridecafluoroheptylamine		423-49-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
Methyl Undecafluorohexanoate		424-18-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
Bis(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl) azodicarboxylate		452912-11-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
2-[methyl[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulphonyl]amino]ethyl acrylate		49859-70-3	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
(7E)-7H,8H-Hexacosafuorotetradec-7-ene		51249-67-3	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
1-Octanesulfonamide, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-N(2-hydroxyethyl)-N-methyl-		51619-73-9	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		51851-37-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●		●														
Perfluoroheptanoyl chloride		52447-22-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
6:2 fluorotelomer carboxylic acid		53826-12-3	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●																
3-(Perfluoro-3-methylbutyl)-1,2-propenoxide 97%		54009-81-3	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
N-[4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyl]oxycarbonyloxy succinimide		556050-48-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
1H-Perfluorooct-1-yne		55756-24-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	
6:2 fluorotelomer aldehyde		56734-81-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●																
1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, 1(dihydrogen phosphate)		57678-01-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●																
Potassium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonate		59587-38-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ammonium Perfluorohexylethylsulfonate		59587-39-2	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
sodium 2-methyl-2-((3-((3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio)propanoyl)amino)propane-1-sulfonate		62880-93-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
perfluoroheptanal		63967-41-9	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
2-(Perfluoro-3-methylbutyl)ethyl methacrylate		65195-44-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
6:2 fluorotelomer unsaturated aldehyde		69534-12-9	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
6:2 fluorotelomer unsaturated carboxylic acid		70887-88-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
Dichloromethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		73609-36-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
2-Hydroxy-N,N-dimethyl-3-sulfo-N-[[3-((3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulfonyl)amino]propyl]-1-propanaminium, inner salt		76201-56-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
(Perfluorohexyl)phenyliodonium Trifluoromethanesulfonate		77758-84-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Trichloro(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		78560-45-9	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide N-oxide		80475-32-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorooctane		80793-17-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
4,4,5,5,6,6,7,7,8,8,9,9-tridecafluorononane-1-ol		80806-68-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
1-(Perfluorohexyl)docosane		825651-73-8	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)maleimide		852527-41-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)iodoacetamide		852527-50-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl azide		852527-60-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		85857-16-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D			●													
Dimethoxymethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		85857-17-6	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3-perfluorohexyl-2-hydroxypropyl methacrylate		86994-47-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
(Perfluorohexyl)trifluoroisoxirane		87375-53-9	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
2-hydroxy-N,N,N-trimethyl-3-((3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio)propan-1-aminium chloride		88992-45-4	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide		89889-20-3	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptan-2-ol		914637-05-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
2-Chloro-4,6-bis[3-(perfluorohexyl)propyloxy]-1,3,5-triazine		916770-15-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
N-Succinimidy 4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononanoate		932710-51-5	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,7-Bis(1H1H2H,2H-perfluorooctyl)-9-fluorenylmethoxycarbonyl chloride		932710-57-1	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-chloroacrylate		96383-55-0	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
2-Iodo-1-(perfluorohex-1-yl)octane		109574-84-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol		647-42-7	Observation	All applications and products	1,000 ppb, except for fluoropolymers 2,500 ppm in fluoropolymers	D	●															
PFOA, perfluorooctanoic acid, its salts and PFOA related compounds		-	Prohibited			P																
PFOA and its salts	PFOAおよびその塩		Prohibited			P																
Perfluorooctanoic acid		335-67-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	P	●	●				●					●	●	●	●		
Perfluorooctanoate (conjugate base of the free acid)		45285-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P						●						●		●		
Branched perfluorooctanoic acid		90480-55-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-3,4-bis(trifluoromethyl)-		1882109-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,3,3,4,4,5,6,6,6-nonafluoro-2,5-bis(trifluoromethyl)-		1882109-80-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,3,3,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-		1882109-79-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl)-		1882109-78-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)-		1882109-77-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-		1882109-76-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl)-		1882109-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl)-		1882109-74-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl)-		1882109-73-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl)-		1882109-72-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl)-		1882109-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 3,3,4,5,5,5-hexafluoro-2,2,4-tris(trifluoromethyl)-		1882109-70-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-		1882109-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-		1882109-67-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-		1882109-66-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)-		1882109-65-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)-		1882109-64-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●										●		●			
Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)-		1882109-63-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Pentanoic acid, 3,4,4,5,5,5-hexafluoro-2,2,3-(trifluoromethyl)-		1882109-69-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl)-		1882109-62-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-3-(trifluoromethyl)-		1882109-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]-		1882109-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)-		1882109-59-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Butanoic acid, 3,3,4,4,4-pentafluoro-2,2-bis(1,1,2,2,2-pentafluoroethyl)-		1882109-58-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)-		1812247-20-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,3,3,4,5,5,6,6,6-nonafluoro-2,4-bis(trifluoromethyl)-		1812247-19-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)-		1812247-18-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 3,3,4,4,5,5,6,6,6-nonafluoro-2,2-bis(trifluoromethyl)-		1812247-17-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,3,3,5,5,6,6,6-nonafluoro-4,4-bis(trifluoromethyl)-		1192593-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,3,3,4,5,6,6,6-nonafluoro-4,5-bis(trifluoromethyl)-		1144512-36-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,3,3,4,5,6,6,6-nonafluoro-3,5-bis(trifluoromethyl)-		1144512-35-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,2,3,3,4,4,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)-		1144512-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Heptanoic acid, 2,2,3,3,4,5,5,6,6,7,7,7-dodecafluoro-4-(trifluoromethyl)-		1144512-18-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Heptanoic acid, 2,2,3,3,4,4,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)-		909009-42-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-3-(trifluoromethyl)-		705240-04-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)-		207678-51-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Isooctanoic acid, pentadecafluoro-		123116-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-		35605-76-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Heptanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-		15166-06-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Ammonium salt, linear/branched PFOA (Octanoic acid, pentadecafluoro-, branched, ammonium salt)		90480-56-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●		
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ammonium salt (1:1)		3825-26-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	P	●	●					●					●		●		
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1)		335-95-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	P	●						●					●		●		
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt (1:1)		2395-00-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	P	●						●					●		●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, silver(1+) salt (1:1)		335-93-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	25 ppb. Intentionally added amounts must be reported to EPA	P	●					●					●		●				
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) salt (3:1)		68141-02-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●					●						●		●			
Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)		98241-25-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●					●						●		●			
Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, ammonium salt (1:1)		13058-06-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1)		1195164-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1)		19742-57-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x)		61436-04-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1)		29457-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7-dodecafluoro-6-(trifluoromethyl)-, sodium salt (1:1)		18017-22-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt (1:x)		15739-82-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt (3:1)		15715-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA25ppb	P	●											●		●			
PFOA Related Compounds	PFOA関連化合物		Prohibited			P																	
Fatty acids, C7-13, perfluoro		68333-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●					●						●		●			
Fatty acids, C7-19, perfluoro		91032-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●					●						●		●			
Fatty acids, C7-13, perfluoro, ammonium salts		72968-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●					●						●		●			
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, methyl ester		376-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●			
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ethyl ester		3108-24-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●			
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, 1,1'-anhydride		33496-48-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●			
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.		68412-69-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●			
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts		93062-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●			
Bis(perfluorooctyl)phosphinic acid		40143-79-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●			
Perfluorohexylperfluorooctyl phosphinate		610800-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●			
Octanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		335-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●			
Perfluorooctyl iodide		507-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafuoro-11-iodo-		307-50-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-12-iodo-		307-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-14-iodo-		307-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontafuoro-15-iodo-		335-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-heptacosafuoro-13-iodo-		376-04-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-10-iodo-		423-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-9-iodo-		558-97-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Decane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-eicosafuoro-10-iodo-2-(trifluoromethyl)-		677-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Dodecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafuoro-12-iodo-2-(trifluoromethyl)-		3248-61-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Tetradecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-octacosafuoro-14-iodo-2-(trifluoromethyl)-		3248-63-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Decane, 1-bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11-heneicosafuoro-		307-43-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Alkyl iodides, C6-18, perfluoro		90622-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		2043-53-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●		
Dodecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-12-iodo-		2043-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●		
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-14-iodo-		30046-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●		
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-16-iodo-		65510-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●		
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodo-		65510-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Alkyl iodides, C4-20, γ-ω-perfluoro		68188-12-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Alkyl iodides, C10-12, γ-ω-perfluoro		68390-33-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
8:2 Fluorotelomer olefin		21652-58-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P														●		
1-Dodecene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		30389-25-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
1-Hexadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16-nonacosafuoro-		60699-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro-		39239-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●										●		●			
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		865-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●										●		●			
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		678-39-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●										●		●			
2-Dodecenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-eicosafuoro-		70887-94-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Dodecanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		53826-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-		70887-84-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		27854-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafuoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate)		63295-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate)		63295-28-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafuoro-16-(trifluoromethyl)-, 1-(dihydrogen phosphate)		63295-29-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-, 1-(dihydrogen phosphate)		94158-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-, 1-(dihydrogen phosphate), diammonium salt		94200-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-, 1-(dihydrogen phosphate), diammonium salt		94200-47-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-, 1-(dihydrogen phosphate), diammonium salt		94200-48-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafuoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		94200-50-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		94200-51-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1,2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafuoro-16-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		94200-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
8:2 Fluorotelomer phosphate monoester		57678-03-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
8:2 Fluorotelomer phosphate diester		678-41-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, dihydrogen phosphate, diammonium salt		93857-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1-(dihydrogen phosphate)		57678-05-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1,1'-(hydrogen phosphate)		1895-26-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17-octacosafuoro-2-hydroxy-16-(trifluoromethyl)heptadecyl ester		16083-78-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl ester		4980-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,14-pentacosafuorotetradecyl ester		6014-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl ester		16083-87-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafuoro-13-(trifluoromethyl)tetradecyl ester		52956-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-eicosafuoro-11-(trifluoromethyl)dodecyl ester		74256-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafuoro-13-(trifluoromethyl)tetradecyl ester		74256-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-(Perfluorodecyl) ethyl acrylate		17741-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●		
2-(Perfluorodecyl) ethyl methacrylate		2144-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
8:2 Fluorotelomer acrylate		27905-45-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●											●		●		
8:2 Fluorotelomer methacrylate		1996-88-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, γ-ω-perfluoro-C8-14-alkyl esters		85631-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafuoro-15-(trifluoromethyl)hexadecyl ester		91615-22-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,17,18,18,18-dotriacontafuoro-17-(trifluoromethyl)octadecyl ester		94158-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafuoro-15-(trifluoromethyl)hexadecyl ester		94158-64-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,17,18,18,18-dotriacontafuoro-17-(trifluoromethyl)octadecyl ester		94158-65-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
1-Propanaminium, N-(2-carboxyethyl)-N, N- dimethyl-3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl) amino]-, inner salt		93776-12-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
1-Propanaminium, N- (2-carboxyethyl)-3- [[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12, 12,13,13,13-heneicosafuoro-2- hydroxytridecyl]amino] -N,N-dimethyl-, inner salt		93776-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Tridecanol, 1-[[3- (dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13, 13,13-eicosafuoro-12-(trifluoromethyl)-		94159-83-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Pentadecanol, 1-[[3- (dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,14,14,15,15-pentacosafuoro-		94159-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Tridecanol, 1-[[3- (dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,13-heneicosafuoro-		94159-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
2-Pentadecanol, 1-[[3- (dimethylamino)propyl]amino]- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12, 13,13,14,15,15,15-tetracosafuoro-14- (trifluoromethyl)-		94159-82-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
8:2 Fluorotelomer stearate monoester		99955-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Pentanedioic acid, 3-[2-[(3,3,4,4,5,5,6,6,7, 7,8,8,9,9,10,10,10-heptadecafluorodecyl) oxy]-2-oxoethyl]-3-hydroxy-, 1,5-bis(3,3, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10- heptadecafluorodecyl) ester		302911-86-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Perfluorooctylethylchloromethyl silane		3102-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Perfluorooctylethyltrimethylchlorosilane		74612-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Perfluorooctylethyltriethoxysilane		101947-16-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Perfluorooctylethyltrichlorosilane		78560-44-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Perfluorooctylethyltrimethoxysilane		83048-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Propanamide, 3-[(γ-ω-perfluoro-C4-10- alkyl)thio] derivatives		68187-42-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Thiols, C8-20, γ-ω-perfluoro, telomers with acrylamide		70969-47-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Carbamic acid, [2-(sulphothio)ethyl]-, C-(γ- ω-perfluoro-C6-9-alkyl) esters, monosodium salts		95370-51-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
1,3-Propanediol, 2,2-bis[[γ-ω-perfluoro- C4-10-alkyl)thio]methyl] derivatives, phosphates, ammonium salts		148240-85-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
1,3-Propanediol, 2,2-bis[[γ-ω-perfluoro- C6-12-alkyl)thio]methyl] derivatives, phosphates, ammonium salts		148240-87-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
1,3-Propanediol, 2,2-bis[[γ-ω-perfluoro- C10-20-alkyl)thio]methyl] derivs., phosphates, ammonium salts		148240-89-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Oxirane, methyl-, polymer with oxirane, mono[2-hydroxy-3-(γ-ω-perfluoro-C8- 20-alkyl)thio]propyl] ethers		183146-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
Pentanoic acid, 4,4-bis[γ-ω-perfluoro-C8- 20-alkyl)thio]derivs., compds. with diethanolamine		71608-61-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11- heptadecafluoro-, 1-(dihydrogen phosphate), ammonium salt (1:2)		94200-45-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●		●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
2-Pentadecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanediyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-		93776-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate		115592-83-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ-ω-perfluoro-C8-14-alkyl acrylate		129783-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ-ω-perfluoro-C8-14-alkyl acrylate		144031-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1, 2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-tritriacontafuorooctadecyl 2-propenoate		116984-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Poly[2-(perfluorooctyl)ethyl acrylate]		74049-08-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6, 7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate		65104-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, polymer with 2-propenoic acid		53515-73-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Amides, C7-19, α-ω-perfluoro-N,N-bis(hydroxyethyl)		90622-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)-, inner salt		71356-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, perfluoro-C8-16-alkyl esters		85681-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethylmethacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate		125328-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Phosphine, tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]-		325459-92-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Palladium, dichlorobis[tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)phenyl]phosphine-k P]-		326475-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1-Propanaminium, N-(2-carboxyethyl)-N,N-bis(2-hydroxyethyl)-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-1-oxooctyl)amino]-, inner salt		39186-68-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Octanamide, N-[3-[bis(2-hydroxyethyl)amino]propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-		41358-63-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Benzenesulfonyl chloride, 3,4-bis[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-1-oxooctyl)amino]-		24216-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1-Propanaminium,N,N,N-trimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-1-oxooctyl) amino]-, chloride (1:1)		53517-98-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Octanamide, N-(3-aminopropyl)-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-		85938-56-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
1-Propanesulfonic acid,3-[ethyl (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-1-oxooctyl)amino]-,sodium salt (1:1)		89685-61-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Nonene, heptafluoro-1-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluorooctyl)oxy]-		84029-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonamide, N-Ethylperfluorooctane-1-sulfonamide		4151-50-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●		●			
Other PFOA Related Compounds	その他のPFOA関連化合物		Prohibited			P																
Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-9-iodo-		2043-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-8-iodo-		10258-49-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-9-iodo-		25291-12-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-		169331-74-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Nonene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentafluoro-		25431-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-		38787-57-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-9-iodo-		25431-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-9-iodo-		918-32-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-9-iodo-		38787-66-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Nonadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-		109856-51-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Tricosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-		57325-44-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Decene, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentafluoro-, (E)- (9CI)		89889-22-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Nonanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentafluoro-		755-02-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentafluoro-		25600-66-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Nonadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentafluoro-9-iodo-		25431-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA		
1-Octanamine, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		307-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
1-Octanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		307-30-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Tricosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7- pentadecafluoro-9-iodo-		57325-43-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
1-Octanamine, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-, hydrochloride(1:1)		5678-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
1-Decanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10- pentadecafluoro-2-iodo-		16083-64-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Pentacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7- pentadecafluoro-9-iodo-		2837-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
5-Tridecene, 7,7,8,8,9,9,10,10,11,11,12,12,13,13,13- pentadecafluoro-		52717-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octanenitrile, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		647-12-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
6-Tetradecene, 8,8,9,9,10,10,11,11,12,12,13,13,14,14,14- pentadecafluoro-		38787-60-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octanal, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		335-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
1,1-Octanediol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		31185-69-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
8-Heptadecene, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7- pentadecafluoro-		52717-06-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
2-Nonanone, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9- pentadecafluoro-		754-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
2-Nonanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9- pentadecafluoro-2-methyl-		92914-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octanoyl chloride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		335-64-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Decanoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10- pentadecafluoro-		812-70-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octanoyl bromide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		222037-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octanimidamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		307-31-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Nonanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9- pentadecafluoro-		45291-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octanoic-1,2-13C2 acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-		864071-08-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octanoic-1-13C acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro- (9CI)		864071-09-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
1-Octanaminiunium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluorooctanoate (1:1)		927835-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P							●											
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluoro-, potassium salt,hydrate (1:1:2)		98065-31-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P							●											
7- Hexadecene,1,1,1,2,2,3,3,4,4,5,5,6,6,9,9,1 0,10,11,11,12,12,13,13,14,14,15,15,16,16, 16-triacontafuoro-, (E)- (9CI)		51249-68-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Octane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7- pentadecafluoro-8-(2-propen-1-yloxy)-		812-72-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Oxirane, 2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-		20084-49-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Nonanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-pentadecafluoro-		27607-61-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		423-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Octanamine, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N- (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-		3145-68-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, butyl ester		307-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanimidamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-hydroxy-		4314-38-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, 2-propen-1-ylester		20120-44-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ethenyl ester		307-93-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		307-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Pyridinium, 1- (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-, 1,1,1-trifluoromethanesulfonate (1:1)		25061-59-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		3934-23-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanaminium, N-(carboxymethyl)- 4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-pentadecafluoro-N,N-dimethyl-, inner salt		171184-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Hexadecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		111918-97-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Methanesulfonic acid, 1,1,1-trifluoro-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester		17352-09-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-hydroxy-		15435-88-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- ,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester		886046-97-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzeneethanamine, N- (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctylidene)-		29723-33-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenamide, N- (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-		424-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N-butyl- 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		37696-83-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzoic acid, 4- [(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]-		129560-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N-dodecyl- 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		37696-86-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzoic acid, 4- [(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)amino]-		73782-58-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(2-hydroxypropyl)-		1407514-44-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Benzoic acid, 4-hydroxy-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctylester		869308-35-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Octanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, 1-(4-methylbenzenesulfonate)		24962-65-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N-[4-(dimethylamino)butyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		118454-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2E)-, bis(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl) ester (9CI)		24120-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, (4-ethenylphenyl)methyl ester		230295-06-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N,N,N-trimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, iodide (1:1)		335-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-[3-(triethoxysilyl)propyl]-		37043-12-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3,5,2,4,6-Triazatriphosphorine, 2,2,4,4,6,6-hexahydro-2,2,4,4,6,6-hexakis[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]- (9CI)		186043-52-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-[2-(2-hydroxyethoxy)ethyl]-		110388-02-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N,N'-trimethylenebis[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- (8CI)]		29680-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3,5,2-Triazaphosphorine, 2,2-diazido-2,2-dihydro-4,6-bis(pentadecafluoroheptyl)- (9CI)		95215-99-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphinous amide, N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)-P,P-bis(pentafluorophenyl)- (9CI)		518358-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
[1,1'-Biphenyl]-4-carboxylic acid, 4'-(2-methylbutyl)-,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, (S)- (9CI)		118826-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(4-methoxyphenyl)-		103188-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N,N'-(1R,2R)-1,2-cyclohexanediylbis[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- (9CI)]		864149-62-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N,N'-1,2-cyclohexanediylbis[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		305848-92-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrachloro-, 1,2-bis(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl) ester		2212-77-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, inner salt		90179-39-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanoic acid, pentadecafluoro-, mixed esters with 2,2'-[1,4-butanediylbis(oxyethylene)]bis[oxirane] and 2,2'-[1,6-hexanediylbis(oxyethylene)]bis[oxirane]		90480-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Poly(oxy-1,2-ethanediyl), α-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]ethyl]-ω-hydroxy-		93480-00-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9-pentadecafluorononyl ester		1799-55-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, inner salt		5158-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, homopolymer		29014-57-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Methanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)		32609-65-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P							●											
1-Nonanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9-pentadecafluoro-, dihydrogenphosphate, diammonium salt (9CI)		63439-39-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Benzenesulfonyl chloride, [[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]methyl]-, branched and linear		90218-71-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoroundecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafuorotetradecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9-pentadecafluorononyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafuorotridecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate(9CI)		105656-07-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecylester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoroundecyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafuorotetradecyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9-pentadecafluorononyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafuorotridecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate (9CI)		105681-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
1-Propanaminium, N,N,N-tripropyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)		277749-00-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P							●											
2-Propenoic acid, 2-methyl-, 1,1,2,2,3,3,3-heptafluoropropyl ester, polymer with methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9-pentadecafluorononyl 2-methyl-2-propenoate and 1,1,2,2,2-pentafluoroethyl 2-methyl-2-propenoate		1017277-36-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoroundecyl)-2,4,6,8-tetramethyl-, Si-[3-(oxiranylmethoxy)propyl] derivs		206886-57-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		
Poly(oxy-1,2-ethanediyl), .alpha.-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)-.omega.-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)oxy]-		122402-79-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, C16-18-alkyl esters, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorodecyl acrylate		160336-09-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, telomere with 1-dodecanethiol, 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorodecyl 2-propenoate and 2-Propenoic acid		321318-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group]-terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluoro-1-decanol- and 2-hydroxyethyl acrylate-blocked 2,4-TDI-trimethylolpropane polymer		501098-09-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Trisiloxane, 3,3'-(3,3,4,4,5,5,6,6,7,7,8,8-dodecafluoro-1,10-decanediyl)bis[3-[(dimethylsilyl)oxy]-1,1,5,5-tetramethyl-, reaction products with 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-heptadecafluoro-1-undecene		185701-89-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silicic acid (H4SiO4), disodium salt, reaction products with chlorotrimethylsilane and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluoro-1-decanol		125476-71-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●															
Poly[[1,3-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorodecyl)-1,3:1,3-disiloxanediylidene]-1,3-		161045-59-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,5-Trisiloxanediol, 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorodecyl)-1,1,3,5-pentamethyl- (9CI)		165320-75-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Perfluoroalkylethyl acrylates (C6-C14)		85631-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●										●					
Decane, 10-bromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		21652-57-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		38550-35-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,9,9-octadecafluoro-8-iodo-		922524-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decyne, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluoro-		55009-88-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecane, 12-bromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		332136-76-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decane, 9,10-dibromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		51249-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		99325-00-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		92835-74-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		96791-81-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,12-docosafuoro-9-iodo-		641617-25-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,13,13,14,14,14-hexacosafuoro-		53638-09-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Decane, 9,9,10-tribromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		59665-26-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Dodecane, 11,12-dibromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		214358-54-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Octadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		176979-17-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Decene, 2-bromo-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		51249-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		1257261-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,13,13,14,14,14-hexacosafuoro-9-iodo-		53638-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Decene, 2-chloro-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		110927-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Decanamine, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		30670-30-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Docosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		176979-18-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		1257261-94-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		176979-19-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-12-iodo-		1257261-91-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Octacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-		1257261-95-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Decanethiol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		34143-74-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P												●					
1-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-iodo-		38550-45-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)bis(1-methylethyl)-		356056-15-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-2-methyl-		136022-91-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Decanal, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		135984-68-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Dodecanethiol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		34451-28-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)-		102488-49-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Tridecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-2-iodo-		38550-46-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decene, 1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-iodo-, (Z)- (9CI)		56184-40-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-		94159-84-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecanal, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		864551-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)bis(1-methylethyl)-		356056-16-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Docosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,22-tetracontafuoro-10,13-diiodo-		460744-98-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20-triacontafuoro-9,12-diiodo-		25474-72-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
5-Tetradecene, 1,1,1,2,2,3,3,4,4,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-hexacosafuoro-, (E)- (9CI)		51249-69-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,24-tetracontafuoro-10,15-diiodo-		959462-52-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Heneicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,21-tetracontafuoro-10,12-diiodo-		1254971-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)trimethoxy-		123445-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silanimine, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)-N,N,1,1-tetramethyl-		1221157-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
6-Tetradecene, 1,1,1,2,2,3,3,4,4,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro-		53638-14-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,4-Butanediol, 2-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)-		135440-42-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
8-Hexadecene, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-triacontafuoro-, (E)- (9CI)		35709-15-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decanoyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		64018-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Heptacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,18,18,19,19,20,20,21,21,22,22,23,23,24,24,25,25,26,26,27,27,27-dotetracontafuoro-12,16-diiodo-		784189-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,19,19,20,20,21,21,22,22,23,23,24,24,25,25,26,26,27,27,28,28,28-dotetracontafuoro-12,17-diiodo-		1980064-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,25,25,26,26,26-dotetracontafuoro-12,15-diiodo-		1980086-18-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silanediamine, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)-N,N,N',N',1-pentamethyl-		186599-47-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphinic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		731858-13-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafuorododecyl)-		146090-84-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecanoyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafuoro-		64018-26-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Decenal, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-, (2Z)-		142502-68-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphinic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafuorododecyl)-		731858-15-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-N,N,N',N',N'',N'''-hexamethyl-		186599-45-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-2-methyl-		136022-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)tripropoxy-		521084-64-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		80220-63-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanol, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		36880-07-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, sodium salt (9CI)		92678-93-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)tris(1-methylethoxy)-		246234-80-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, compd. with N,N-diethylethanamine (1:1) (9CI)		92678-96-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanol, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)amino]-		27607-42-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Dodecenal, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-icosafuoro-		864551-40-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Dodecenal, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-icosafuoro-, (2Z)-		1383918-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Disiloxane, 1,3-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-1,1,3,3-tetramethyl-		129498-18-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafuorododecyl)-		252237-39-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3-Undecen-2-one, 4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-hexadecafluoro-, (Z)-(9CI)		136909-85-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Oxirane, 2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptadecafluorononyl)-		38565-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, dimethyl ester (9CI)		61726-43-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-isocyanato-		142010-50-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzene, 1-bromo-4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		195324-88-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		27619-90-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Oxirane, 2-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)-		52835-16-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decane, 10,10-diethoxy-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		133377-48-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzene, 1-bromo-3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		340157-97-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)-, dimethyl ester (9CI)		61726-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Oxirane, 2-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heneicosafuoroundecyl)-		38565-54-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		39108-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanol, 2,2'-((3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)imino)bis-		27607-36-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzenemethanol, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		356055-77-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzenemethanamine, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-		609816-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-((3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio)-		96497-21-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecane, 12-azido-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		145876-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		27619-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(hydrogen sulfate), potassium salt (1:1)		1262446-13-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1-(dihydrogen phosphate), ammonium salt (1:2)		93857-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-acetate		37858-04-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, diethyl ester		90146-96-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		120226-60-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1-(hydrogen sulfate), potassium salt (1:1)		1262446-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanedithioic acid, S-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester		125640-21-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
8,10-Heptadecanedione,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-triacontafuoro-		36554-97-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)-, diethyl ester (9CI)		854095-13-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanaminiom, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-N,N-bis(2-hydroxyethyl)-N-methyl-, iodide (1:1)		31841-41-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Disulfide, bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)		42977-21-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, bis(1-methylethyl) ester (9CI)		90183-56-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphinic acid, bis(heptadecafluorooctyl)-, sodium salt (9CI)		500776-69-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decane, 10-(ethenylsulfonyl)-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		93345-48-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-fluoro-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester		96250-52-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Pyridinium, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-,iodide (1:1)		25935-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Pyridinium, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-,4-methylbenzenesulfonate (1:1)		61798-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl ester		15498-45-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(dihydrogen phosphate), ammonium salt (1:1)		93776-20-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1-(dihydrogen phosphate), ammonium salt (1:1)		93776-21-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1,1,1"-phosphate		149790-22-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phenol, 4-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		142623-70-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, phosphate (3:1) (9CI)		106554-16-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphine, [4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]diphenyl-		462996-04-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2Z)-, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester		54950-04-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Butenedioic acid (2E)-, mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl) ester (9CI)		86130-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzoic acid, 4- [(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl)oxy]-		188034-84-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2,8,9-Trioxa-5-aza-1-silabicyclo[3.3.3]undecane, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluoro-1-iododecyl)-		135587-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid, 1-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl) ester		152682-85-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2Z)-, 1-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl) ester		229957-05-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzenemethanol, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl)-o,o-diphenyl-		649561-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Iodine, bis(acetato-βO)[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl)phenyl]- (9CI)		882186-02-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluoro-, 1-(4-methylbenzenesulfonate)		113823-56-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphine, bis[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl)phenyl]phenyl-		892154-91-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)methylamino]ethyl ester		93491-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Butanedioic acid, 2-methylene-, 1,4-bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl) ester		243977-25-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Glycine, N-[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl)thio]-2-hydroxypropyl]-N-methyl-		93128-66-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphine, tris[3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl)phenyl]-		342889-38-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzene, 1-[chloro[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl)phenyl]phenylmethyl]-4-methoxy-		865758-37-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3-Pyridinecarboxylic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl ester		331716-84-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2Z)-, 1,4-bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl) ester		234096-30-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2E)-, 1,4-bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl) ester		934166-50-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzenesulfonamide, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)oxy]-		89932-76-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Benzene, 1-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)sulfonyl]-4-(hexyloxy)-		1161917-33-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzene, 1-[chlorobis(4-methoxyphenyl)methyl]-4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)-		865758-36-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzenemethanol, 4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)-o,o-bis(4-methoxyphenyl)-		865758-47-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Palladium, dichlorobis[tris(3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)phenyl)phosphine-β P]-		343343-17-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)sulfonyl]methylamino]ethyl ester		48077-95-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)sulfonyl]methylamino]ethyl ester		72276-05-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
β-D-Glucopyranosiduronic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl		864551-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Carbonic acid, 2,5-dioxo-1-pyrrolidinyl [4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)phenyl]methylester		556050-49-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Thymidine, 5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)phenyl]bis(4-methoxyphenyl)methyl]-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		902456-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Cytidine, N-benzoyl-2'-deoxy-5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)phenyl]bis(4-methoxyphenyl)methyl]-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		1401422-19-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Guanosine, 2'-deoxy-5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)phenyl]bis(4-methoxyphenyl)phenylmethyl]-N-(2-methyl-1-oxopropyl)-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		1401422-22-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Guanosine, 2'-deoxy-5'-O-[[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)phenyl]bis(4-methoxyphenyl)methyl]-N-(2-methyl-1-oxopropyl)-, 3'-[2-cyanoethyl N,N-bis(1-methylethyl)phosphoramidite]		1401422-21-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octane, 1,1,1,2,3,3,4,4,5,5,6,6-dodecafluoro-8-iodo-2-(trifluoromethyl)-		18017-20-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Octanol, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)-		20015-46-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Nonanol, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-2-iodo-8-(trifluoromethyl)-		16083-62-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Nonanol, 1-amino-4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)-		58935-89-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Oxirane, 2-[2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptyl]-		24564-77-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester		50836-65-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester		50836-66-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenethioic acid, 2-methyl-, S-[3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl] ester		30769-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-2-hydroxy-8-(trifluoromethyl)nonyl ester		16083-75-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-2-hydroxy-8-(trifluoromethyl)nonyl ester		16083-81-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Phenol, 4-bromo-2-[4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)nonyl]-		610778-18-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Fatty acids, C6-18, perfluoro, ammonium salts		72623-77-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P							●										
2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reactionproducts with 1H-imidazole-1-propanamine, polyethylene-polypropyleneglycol and TDI homopolymer		332076-28-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reactionproducts with 1H-imidazole-1-propanamine and TDI homopolymer		332076-33-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Oxepanone, homopolymer, decyl perfluoro-C8-14-alkyl esters, reactionproducts with 1H-imidazole-1-propanamine, polyethylene glycol and TDI homopolymer		332076-34-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Alcohols, C8-14, γ-ω-perfluoro		68391-08-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●																
Alcohols, C7-22, ε-ω-perfluoro-, β-δ-fluoro		90622-43-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Tridecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanedioyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro- (9CI)		93776-01-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2,5,8,11,14,17,20,23,26,29-Decaooxadotetracontan-31-ol,33,33,34,34,35,35,36,36,37,37,38,38,39,39,40,40,41,41,42,42,42-heneicosafuoro-		93776-07-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Quaternary ammonium compounds, dimethyl(γ-ω-perfluoro-C8-14-β-alkenyl)[2-(sulfooxy)ethyl], inner salts		85631-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Quaternary ammonium compounds, (hydroxyethyl)dimethyl(γ-ω-perfluoro-C8-14-β-alkenyl), chlorides		91081-09-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Quaternary ammonium compounds, (hydroxyethyl)dimethyl(γ-ω-perfluoro-C8-14-β-alkenyl), Me sulfates (salts)		92129-34-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Ethanol, 2-(methylamino)-, N-(γ-ω-perfluoro-C8-14-β-alkenyl) derivs.		97660-44-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Betaines, N-(hydroxyethyl)-N-methyl-N-(2-sulfoethyl)-N-(1,1,2-trihydroperfluoro-C8-14-2-alkenyl)		98219-29-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Betaines, (hydroxyethyl)methyl(γ,ω-perfluoro-C8-14-β-alkenyl)(2-sulfopropyl)		115340-82-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Quaternary ammonium compounds, trimethyl(δ-ω-perfluoro-C8-14-β-alkenyl), chlorides		115535-36-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Quaternary ammonium compounds, diethylmethyl(γ-ω-perfluoro-C8-14-β-alkenyl), Me sulfates		127133-57-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Quaternary ammonium compounds, diethylmethyl(γ-ω-perfluoro-C8-14-β-alkenyl), tetraphenylborates		145477-02-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Quaternary ammonium compounds, diethylmethyl(γ-ω-perfluoro-C8-14-β-alkenyl), tetrafluoroborates		153325-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Propanedioic acid, mono(γ-ω-perfluoro-C8-12-alkyl) derivs., di-me esters		238420-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Propanedioic acid, mono(γ-ω-perfluoro-C8-12-alkyl) derivs., bis[4-(ethenoxy)butyl] esters		238420-80-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Fatty acids, C9-15-unsatd., γ-ω-perfluoro, Et esters, reaction products with(3-hydroxypropoxy)-terminated di-Me siloxanes, Me Et ketone oxime, polymethylenepolyphenylene isocyanate and polypropylene		510732-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl ester, polymer with methyl 2-methyl-2-propenoate		93705-98-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, ε-ω-perfluoro-C8-22-alkyl esters, γ-δ-fluoro derivs.		91648-32-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(acetyloxy)-4,4,5,5,6,6,7,7,8,8,9,9,10,11,12,12,12-octafluoro-11-(trifluoromethyl)dodecyl ester, homopolymer (9CI)		90062-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,2,4,5-Benzenetetracarboxylic acid, mixed 3-chloro-2-hydroxypropyl and γ-ω-perfluoro-C8-14-alkyl esters		68954-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide,		119973-85-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate		142636-88-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-methyloxirane polymer with oxirane mono(2-methyl-2-propenoate), and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate		142636-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, phenylmethyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, 2-hydroxyethyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate		142636-91-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, block, peroxidized adipoyl chloride-triethylene glycol polymer-initiated		146289-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Bu acrylate, γ-ω-perfluoro-C8-14-alkyl acrylate and polyethylene glycol monomethacrylate, 2,2'-(1,2-diazenediyl)bis[2,4-dimethylpentanenitrile]-initiated		150135-57-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with δ-ω-perfluoro-C10-16-alkyl acrylate and vinyl acetate		174125-96-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, C12-14-alkyl esters, polymers with Bu (1-oxo-2-propenyl)carbamate and δ-ω-perfluoro-C6-12-alkyl acrylate		178233-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Fatty acids, linseed-oil, γ-ω-perfluoro-C8-14-alkyl esters		178535-23-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with γ-ω-perfluoro-C10-16-alkyl acrylate and vinyl acetate		186397-57-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, peroxidized adipoyl chloride-triethylene glycol polymer-initiated		193635-71-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with γ-ω-perfluoro-C10-16-alkyl acrylate and vinyl acetate, acetates		196316-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, γ-ω-perfluoro-C6-16-alkyl esters, polymers with 1-(3,4-dichlorophenyl)-1H-pyrrole-2,5-dione and sodium 4-ethenylbenzenesulfonate (1:1)		202875-75-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, hexadecyl ester, polymers with 2-hydroxyethylmethacrylate, γ-ω-perfluoro-C10-16-alkyl acrylate and stearyl methacrylate		203743-03-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and Me Et ketone oxime, polymers with 2-ethylhexyl acrylate, 2-hydroxyethyl acrylate and γ-ω-perfluoro-C8-20-alkyl acrylate		221455-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alcohols, C8-14, γ-ω-perfluoro, polymers with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), methanol, stearylacrylate, stearyl methacrylate, 2,4-TDI and vinyl chloride		376364-33-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with γ-ω-perfluoro-C8-14-alkyl acrylate, acetates, N-oxides		479029-28-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
10,13,16,19-Tetraoxaocacosadiene, tetratriacontafuoro- (9C1)		84029-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) esters, polymers with N-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-18-alkyl acrylate and vinyl chloride		502135-45-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, oxiranylester, polymers with γ-ω-perfluoro-C6-16-alkyl acrylate and stearyl acrylate		503284-73-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, γ-ω-perfluoro-C6-16-alkyl esters, polymers with acrylonitrile, N-(butoxymethyl)-2-propenamide, polyethylene glycol dimethacrylate and polyethylene glycol methacrylate Me ether		503287-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid, 2-methyl-, (2Z)-, polymers with γ-ω-perfluoro-C8-16-alkyl acrylate, stearyl acrylate and styrene		503296-97-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, polymers with γ-ω-perfluoro-C8-16-alkyl acrylate and stearyl acrylate		503297-86-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester, polymers with C14-24-alkyl methacrylate, cyclohexyl methacrylate, 2-hydroxyethyl acrylate, γ-ω-perfluoro-C6-16-alkyl acrylate and 2-[[[[[1,3,3-trimethyl-5-[[[(1-methylpropylidene)amino]oxy]carbonyl]amino]cyclohexyl]methyl]amino]carbonyl]oxy]ethyl methacrylate		503299-29-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-[[[[[1,3,3-trimethyl-5-[[[(1-methylpropylidene)amino]oxy]carbonyl]amino]cyclohexyl]methyl]amino]carbonyl]oxy]ethyl ester, polymers with 2-ethylhexyl acrylate, 2-hydroxyethyl acrylate and γ-ω-perfluoro-C6-16-alkyl acrylate		503299-50-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alkyl iodides, C8-20, γ-ω-perfluoro, reaction products with potassium acrylate		509086-57-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymers with maleic anhydride, γ-ω-perfluoro-C6-16-alkyl acrylate and 2,4,6-tris(2-propenyloxy)-1,3,5-triazine		510732-38-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, octadecyl ester, polymers with γ-ω-perfluoro-C8-14-alkyl acrylate		510732-48-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, polymers with ethylene dimethacrylate, ethylene oxide, nonadecyl acrylate, γ-ω-perfluoro-C6-16-alkyl acrylate and propylene oxide		510733-10-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, telomers with Et acrylate, 1-octanethiol and γ-ω-perfluoro-C6-16-alkyl acrylate		510734-75-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, γ-ω-perfluoro-C8-16-alkyl esters, polymers with ethylene and N-(hydroxymethyl)-2-propenamide		511271-18-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymers with glycidyl methacrylate and γ-ω-perfluoro-C6-16-alkyl acrylate		511271-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with 2-[2-(2-hydroxyethoxy)ethoxy]ethyl methacrylate, 14-hydroxy-3,6,9,12-tetraoxahexadec-1-yl methacrylate and γ-ω-perfluoro-C6-16-alkyl acrylate		512179-48-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymers with γ-ω-perfluoro-C8-16-alkyl acrylate and polyethylene glycol monoacrylate		515152-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, hydrogen phosphate, compd. with 2,2'-iminobis[ethanol](1:1) (9CI)		57677-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alkyl iodides, C8-14, γ-ω-perfluoro		85995-91-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alcohols, C8-14, γ-ω-perfluoro, reaction products with epichlorohydrin and propylene oxide, trimethylamine-quaternized		185630-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Sulfuric acid, mono(γ-ω-perfluoro-C6-12-alkyl) esters, ammonium salts		68516-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl esters, reaction products with polyethylene glycolbis(2-mercaptoacetate)		68784-73-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, C4-8-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-52-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, C4-18-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, C7-8-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, C7-18-alkyl esters, polymers with 2-[methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate		68988-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Sulfuric acid, mono(γ-ω-perfluoro-C8-12-alkyl) esters, ammonium salts		84238-62-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Sulfuric acid, mono(γ-ω-perfluoro-C8-14-alkyl) esters		85995-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Sulfuric acid, mono(γ-ω-perfluoro-C8-14-alkyl) esters, ammonium salts		101940-12-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Siloxanes and Silicones, hydroxy Me, Me octyl, Me (γ-ω-perfluoro C8-14-alkyl)oxy, ethers with polyethylene glycol mono-Me ether		170424-64-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Amines, C12-14-tert-alkyl, compds. with γ-ω-perfluoro-C6-12-alkyldihydrogen phosphate (1:1)		206009-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Amines, C12-14-tert-alkyl, compds. with bis(γ-ω-perfluoro-C6-12-alkyl)hydrogen phosphate (1:1)		206009-81-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,4-Butanediol, 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs., polymers with 1,6-diisocyanatotrimethylhexane and 2,2'-(methylimino)bis[ethanol]		68037-23-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Thiols, C6-12, γ-ω-perfluoro		68140-20-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Thiols, C10-20, γ-ω-perfluoro		68140-21-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,4-Butanediol, 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		68187-24-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		68187-25-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Siloxanes and Silicones, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)oxy Me, hydroxy Me, Me octyl, ethers with polyethylene glycol mono-Me ether		143372-54-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Siloxanes and Silicones, hydrogen γ-ω-perfluoro-C6-10-alkyl		160965-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Sulfonic acids, C6-12-alkane, γ-ω-perfluoro, ammonium salts		180582-79-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Sulfonic acids, C8-20-alkane, γ-ω-perfluoro, compds. with triethylamine		297175-71-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Poly(oxy-1,2-ethanediyl), α-methyl-ω-hydroxy-, 2-hydroxy-3-[(γ-ω-perfluoro-C6-20-alkyl)thio]propyl ethers		70983-59-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-, 3-[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs., chlorides		70983-60-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanol, 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		70983-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,4-Butanediol, polymers with 2,3-bis[(γ-ω-perfluoro-C6-20-alkyl)thio]-1,4-butanediol, C36-alkylene diisocyanate and 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane		71205-28-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Acetic acid, bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-37-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Acetic acid, bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs., Me esters		71608-39-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Acetic acid, bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs., sodium salts		71608-40-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Bicyclo[2.2.1]heptane-2,3-dicarboxylic acid, 5-[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-43-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Chromium, bis[(γ-ω-perfluoro-C8-20-alkyl)thio]acetate chloro hydroxy complexes		71608-44-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Chromium, 4,4-bis[(γ-ω-perfluoro-C8-20-alkyl)thio]pentanoate chlorohydroxy complexes		71608-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Chromium, chloro hydroxy 5-[(γ-ω-perfluoro-C8-20-alkyl)thio]bicyclo[2.2.1]heptane-2,3-dicarboxylate complexes		71608-46-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
4,7-Methanoisobenzofuran-1,3-dione, hexahydro-, 5-[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-58-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Pentanoic acid, 4,4-bis[(γ-ω-perfluoro-C8-20-alkyl)thio] derivs.		71608-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Propanamide, N-(1,1-dimethyl-3-oxobutyl)-, 3-[(γ-ω-perfluoro-C6-20-alkyl)thio] derivs.		71608-63-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Carbamic acid, N-[4-methyl-3-[[[2-methyl-1-aziridinyl]carbonyl]amino]phenyl]-, 2-[[[3,3,4,4,5,5,6,6,7,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl]thio]-1-[[[3,3,4,4,5,5,6,6,7,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl]thio]methyl]ethyl ester		72779-05-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Disulfides, bis(γ-ω-perfluoro-C6-20-alkyl)		118400-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3-Propanediol, 2,2-bis(bromomethyl)-, reaction products with ethanethiol-tetrafluoroethylene telomer		144468-31-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Fatty acids, C18-unsatd., dimers, diisocyanates, polymers with 2,3-bis(γ-ω-perfluoro-C4-18-alkyl)-1,4-butanediol, 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane and 2,2'-(methylimino)bis[ethanol]		68990-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Thiols, C4-20, γ-ω-perfluoro, reaction products with methylatedformaldehyde-1,3,5-triazine-2,4,6-triamine polymer		113089-67-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alcohols, C8-14, γ-ω-perfluoro, reaction products with epichlorohydrin,polyethylene glycol mono-Me ether and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide		118102-37-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alcohols, C8-14, γ-ω-perfluoro, reaction products with epichlorohydrin,tetrahydrofuran homopolymer and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide		118102-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Hexane, 1,6-diisocyanato-, homopolymer, γ-ω-perfluoro-C6-20-alc.-blocked		135228-60-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3-Propanediol, 2,2-bis(bromomethyl)-, reaction products with ethanethiol-tetrafluoroethylene telomer, polymers with 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentylcyclohexaneand 2,2'-(methylimino)bis[ethanol]		144468-32-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3-Propanediol, 2,2-bis[[γ-ω-perfluoro-C6-12-alkyl]thio]methyl] derivs.,phosphates		148240-86-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3-Propanediol, 2,2-bis[[γ-ω-perfluoro-C10-20-alkyl]thio]methyl] derivs.,phosphates		148240-88-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alcohols, C8-14, γ-ω-perfluoro, polymers with 1,6-diisocyanatohexane,ethylene glycol, glycidol and 2,4-TDI		253873-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorododecylester		26650-10-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N-(carboxymethyl)-3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]amino]-N,N-dimethyl-, inner salt		34455-21-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N-(carboxymethyl)-3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)sulfonyl]amino]-N,N-dimethyl-, inner salt		34455-35-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphinic acid, bis(heneicosafuorodecyl)-(9CI)		52299-27-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, hydrogenphosphate, compd. with 2,2'-iminobis[ethanol] (1:1) (9CI)		57677-97-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Alkenes, C4-20 α-, γ-ω-perfluoro		68155-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate		88248-34-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphonic acid, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, compd. with N,N-diethylethanamine (9CI)		90146-97-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with octadecyl 2-propenoate		90718-04-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Undecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanediyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-(9CI)		93776-02-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2,5,8,11,14,17,20,23,26,29-Decaoxatetracontan-31-ol, 33,33,34,34,35,35,36,36,37,37,38,38,39,39,40,40,40-heptadecafluoro-		93776-08-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N-(2-carboxyethyl)-3-[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)amino]-N,N-dimethyl-, inner salt		93776-14-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Undecanol, 1-[2-(2-butoxyethoxy)ethoxy]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-		94158-61-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Aziridineethanol, α-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononyl)-		94159-85-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Undecanol, 1-(ethenyloxy)-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-		94159-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Glycine, N-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)-N-methyl-, monopotassium salt (9CI)		94159-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-1-phenoxy-		94159-91-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenoic acid, 4-oxo-4-[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)amino]-, (Z)- (9CI)		97259-81-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with octadecyl 2-methyl-2-propenoate		104242-01-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,2-Nonanediol, 4,4,5,5,6,6,7,7,8,8,9,9,9-dodecafluoro-8-(trifluoromethyl)-, 1-(dihydrogen phosphate)		105416-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with ethenyltriethoxysilane (9CI)		106826-29-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3-Isobenzofurandione, polymer with α-fluoro-ω-(oxiranylmethyl)poly(difluoromethylene) and (phenoxyethyl)oxirane (9CI)		107097-76-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Surflon 113 (9CI)		110070-82-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate (9CI)		110570-84-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate (9CI)		112310-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, o-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl 2-propenoate, octadecyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate (9CI)		112311-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate (9CI)		112328-98-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate and 2-(phosphonoxy)ethyl 2-methyl-2-propenoate, block (9CI)		113150-11-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecylester, polymer with rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)		118570-85-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, o-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl 2-propenoate, octadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate (9CI)		119973-84-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, block		121065-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, polymers with 2-butyne-1,4-diol-γ-ω-perfluoro C10-20 thiol reaction product and 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane		127133-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, trichloro(heptadecafluorodecyl)-		146443-00-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, ammonium salt (1:1)		149724-40-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Bu acrylate, γ-ω-perfluoro-C8-14-alkyl acrylate and polyethylene glycol monomethacrylate		150409-17-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with acrylonitrile, γ-ω-perfluoro-C8-14-alkyl acrylate, polyethylene glycol monomethacrylate and styrene		150409-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Me methacrylate, γ-ω-perfluoro-C8-14-alkyl acrylate, polyethylene glycol monomethacrylate and stearyl methacrylate		150409-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Thiols, C4-20, γ-ω-perfluoro, reaction products with hexakis(methoxymethyl)melamine and vinyl tert-decanoate		151686-30-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, diethoxy(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)methyl-		152992-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, butyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate, block (9CI)		154965-63-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[[γ-ω-perfluoro-C3-14-alkyl]thio] derivs.		160336-21-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alkyl iodides, C1-24, perfluoro		160402-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Quaternary ammonium compounds, bis(hydroxyethyl)methyl(δ-ω-perfluoro-β-hydroxy-C10-14-alkyl), iodides		160402-26-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, mono(perfluoro-C10-18-alkyl) esters, diammonium salts		160498-33-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,2-Benzenedicarboxylic acid, bis(γ-ω-perfluoro-1-methyl-C5-20-alkyl) esters		160709-28-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, reaction products with ammonia		160994-74-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)-, reaction products with glycidol, hydrolyzed ethylene-pentafluoroiodoethane-tetrafluoroethylene telomer reaction product and stearyl alc.		162491-88-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Trisiloxane, 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)-1,1,1,3,5,5,5-heptamethyl-		163921-85-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Poly(oxy-1,2-ethanediyl), α,α',α''-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)silyldiyl]tris[oxymethylsilylene]-3,1-propanediyl]]tris[ω-methoxy-		165967-96-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecylester, polymer with 1-ethenyl-4-[(undecafluorohexenyl)oxy]benzene, graft(9CI)		167229-03-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-heptafluoro-,1,1'-(hydrogen phosphate)		170004-70-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Propanoic acid, 3-[(γ-ω-perfluoro-C6-18-alkyl)thio] derivs.		176590-84-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-methoxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl) and 3-[3,3,3-trimethyl-1,1-bis(trimethylsilyl)oxy]-1-disiloxanyl]propyl 2-methyl-2-propenoate		176741-19-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) and 3-[3,3,3-trimethyl-1,1-bis(trimethylsilyl)oxy]disiloxanyl]propyl 2-methyl-2-propenoate (9CI)		176894-23-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Alcohols, C1-20, reaction products with glycidol, γ-ω-perfluoro C8-14 alcs.and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide		182700-79-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with N-(hydroxymethyl)-2-methyl-2-propenamide and γ-ω-perfluoro-C10-16-alkylacrylate		200295-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, butyl ester, polymers with 2-ethylhexylmethacrylate, N-(hydroxymethyl)-2-methyl-2-propenamide and γ-ω-perfluoro-C10-14-alkyl methacrylate		200295-55-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate and methyloxirane polymer with oxirane mono-2-propenoate (9CI)		200413-68-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate		200513-42-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Alkenes, C8-14 α, γ-ω-perfluoro		210432-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, γ-ω-perfluoro-C8-20-alkyl esters		212013-58-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid (9CI)		214002-95-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl methacrylate, 3a,4,7,7a,7,7-hexahydro-4,7-methano-1H-indenyl acrylate and tricyclo[3.3.1.1.3,7]dec-1-yl methacrylate		218286-10-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Glycine, N,N-bis[2-hydroxy-3-(2-propen-1-yloxy)propyl]-, sodium salt(1:1), reaction products with ammonium hydroxide and 1,1,1,2,2-pentafluoro-2-iodoethane-tetrafluoroethylene telomer		220459-70-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and Me Et ketone oxime, polymers with γ-ω-perfluoro-C8-20-alkyl acrylate and stearylacrylate		221455-57-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, γ-ω-perfluoro-C8-20-alkyl ester, polymers with acrylonitrile, polyethylene glycol dimethacrylate and polyethylene glycolmethacrylate Me ether		221455-61-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymers with acrylic acid-glycidyl Ph ether-TDI reaction product, γ-ω-perfluoro-C8-20-alkylacrylate and stearyl acrylate		221455-62-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-hydroxyethyl ester, polymers with γ-ω-perfluoro-C8-20-alkyl acrylate and stearyl acrylate		221455-63-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymers with 2-hydroxyethyl methacrylate-5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane-Me Et ketone oxime reaction product, γ-ω-perfluoro-C8-20-alkyl acrylate and vinyl chloride		221455-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymers with N,N-dimethyl-2-propenamide, γ-ω-perfluoro-C8-20-alkyl acrylate and vinylchloride		221455-67-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymers with N-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-20-alkyl acrylate and vinyl chloride		221455-71-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with γ-ω-perfluoro-C8-20-alkyl acrylate		221455-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alcohols, C8-14, γ-ω-perfluoro, polymers with 5-amino-1,3,3-trimethylcyclohexanemethanamine, carbonic acid, 1,6-diisocyanatohexane, 1,6-hexanediol, 1,1'-methylenebis[4-isocyanatocyclohexane] and trimethylolpropane		223586-53-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with γ-ω-perfluoro-C8-20-alkyl acrylate and polyethylene glycol monomethacrylate		224790-87-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, γ-ω-perfluoro-C8-20-alkyl esters, polymers with polyethylene glycol monomethacrylate and polypropylene glycol monomethacrylate		224790-97-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Butanedioic acid, 2-methylene-, 4-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl) ester		230295-05-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymers withglycidyl methacrylate and γ-ω-perfluoro-C6-20-alkyl acrylate, acetates(salts)		247047-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecylester, polymer with N-(butoxymethyl)-2-methyl-2-propenamide, dodecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-methyl-2-propenoate, N-(hydroxymethyl)-2-methyl-2-propenamide, octadecyl 2-propenoate, oxiranylmethyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-methyl-2-propenoate (9CI)		247109-50-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, isooctadecyl 2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)		256488-93-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers with N-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-16-alkyl acrylate and stearyl acrylate		260794-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers with N-(hydroxymethyl)-2-propenamide, γ-ω-perfluoro-C8-16-alkyl acrylate, stearyl acrylate and vinyl chloride		260794-09-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-propenoate, isooctadecyl 2-propenoate, 2-methylloxirane polymer with oxirane mono-2-propenoate, and α-(2-methyl-1-oxo-2-propen-1-yl)-ω-methoxypoly(oxy-1,2-ethanediyl)		263260-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Hexanedioic acid, dimethyl ester, polymers with 2,2-bis(bromomethyl)-1,3-propanediol-ethanethiol-tetrafluoroethylene telomer reaction products		277752-44-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorododecylester, homopolymer, syndiotactic (9CI)		287391-07-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, polymers with 2-ethylhexyl methacrylate, N-(hydroxymethyl)-2-propenamide and 2-[(methyl[(γ-ω-perfluoro-C8-14-alkyl)sulfonyl]amino)ethyl acrylate		304012-61-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group]-terminated, polymers with 2-[[[5-[[[2-[[[5-[[[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)oxy]carbonyl]amino]-2-		321371-84-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, dodecyl ester, polymers with (chloromethyl)ethenylbenzene, N-(hydroxymethyl)-2-propenamide and γ-ω-perfluoro-C10-14-alkyl acrylates		330809-58-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoro-1-decanol- and 2-hydroxyethyl acrylate-blocked 2,4-TDI-trimethylolpropane polymer, Memethacrylate and octahydro-4,7-methano-1H-indenyl acrylate, tert-Bu 2-ethylhexaneperoxoate-initiated		339163-51-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3-Cyclohexene-1-carboxylic acid, 6-[(di-2-propenylamino)carbonyl]-, (1R,6R)-rel-, reaction products with pentafluoroiodoethane-tetrafluoroethylene telomer		348137-34-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and 2-methylpropyl 2-methyl-2-propenoate		357924-15-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Alcohols, C8-14, γ-ω-perfluoro, polymers with 1,3-butanediol, 1,3-diisocyanatomethylbenzene and 2-ethyl-2-(hydroxymethyl)-1,3-propanediol		374551-53-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl ester, telomer with 1-dodecanethiol, methyl 2-methyl-2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl) and α-(2-methyl-1-oxo-2-propenyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) (9CI)		380843-06-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecylester, polymer with methyloxirane polymer with oxirane mono-2-propenoate, tert-Bu 2-ethylhexaneperoxoate-initiated		393582-46-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, octahydro-4,7-methano-1H-indenyl ester, polymers with γ-ω-perfluoro-C6-22-alkyl acrylate and polyethylene glycol methacrylate Meether, di-Me 2,2'-azobis[2-methylpropanoate]-initiated		393582-59-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, octadecyl ester, polymers with γ-ω-perfluoro-C6-22-alkylacrylate		393819-33-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,4-Butanediol, polymer with 1,6-diisocyanatohexane, 2-ethyl-1-hexanol and γ-ω-perfluoro-C8-14-alc.-blocked		399026-30-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, 3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)sulfonyl]amino]-N,N,N-trimethyl-, 4-methylbenzenesulfonate (1:1)		438237-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with butyl 2-propenoate and 2,5-furandione, γ-ω-perfluoro-C8-14-alkyl esters, tert-Bubenzenecarboxyloxoate-initiated		459415-06-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propen-1-ol, reaction products with 1,1,1,2,2-pentafluoro-2-iodoethane-tetrafluoroethylene telomer, dehydroiodinated, reaction products with epichlorohydrin and triethylenetetramine		464178-90-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Propanoic acid, 3-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)thio]-2-methyl-, lithium salt (1:1)		476304-39-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorododecyl 2-propenoate and octadecyl 2-propenoate (9CI)		477529-30-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Proline, 1-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl)sulfonyl]-, lithium salt (9CI)		503431-63-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, isooctadecyl 2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl) and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate, 2,2'-azobis[2-methylbutanenitrile]-initiated		503448-36-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecylester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl), tert-Bu 2-ethylhexaneperoxoate-initiated		503621-60-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecylester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediyl), di-Me 2,2'-azobis[2-methylpropanoate]-initiated		503621-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecylester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), tert-Bu 2-ethylhexaneperoxoate-initiated		503621-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecylester, polymer with α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)], tert-Bu 2-ethylhexaneperoxoate-initiated		503621-81-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecylester, polymer with octahydro-4,7-methano-1H-indenyl 2-propenoate		504395-90-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, cyclohexyl ester, polymers with maleicanhydride, γ-ω-perfluoro-C8-20-alkyl acrylate and 2,4,6-tris(2-propenyloxy)-1,3,5-triazine		518045-14-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, polymer with butyl 2-propenoate and 2,5-furandione, γ-ω-perfluoro-C8-14-alkyl esters, potassium salts, tert-Bubenzeneperoxoate-initiated		524729-93-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3-Butanediol, polymer with 1,3-diisocyanatomethylbenzene and 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol- and Me Et ketone oxime-blocked		644965-83-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, δ-ω-perfluoro-C9-15-alkyl esters		671756-62-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Poly(difluoromethylene), α-(2-hydroxyethyl)-ω-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]- (9CI)		761418-87-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with α-(1-oxo-2-propen-1-yl)-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		790697-52-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecylester, polymer with ethyloxirane homopolymer monoether with 1,2-propanediol mono(2-methyl-2-propenoate), tert-Bu 2-ethylhexaneperoxoate-initiated		831241-91-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, mixed hexaesters with dipentaerythritol and 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]propanoic acid		878409-15-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C6-12-alkyl)thio]methyl] derivs., polymers with 2,2-bis[[(γ-ω-perfluoro-C10-20-alkyl)thio]methyl]-1,3-propanediol, 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentylcyclohexane and 2,2'-(methylimino)bis[ethanol]		1078142-10-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Thiols, C4-20, γ-ω-perfluoro, telomers with acrylamide and acrylic acid, sodium salts		1078712-88-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●															
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamido, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoroctyl 2-propenoate		1094598-90-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, polymers with 2-(dimethylamino)ethylmethacrylate, Methyl methacrylate, γ-ω-perfluoro-C8-16-alkyl acrylate and vinylpyrrolidone, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated, acetates		1223402-68-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, polymer with butyl 2-propenoate and 2,5-furandione, γ-ω-perfluoro-C8-14-alkyl esters, tert-Bu 2-ethylhexaneperoxoate-initiated, compds. with 2-(dimethylamino)ethanol		1264198-78-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-methoxypoly[oxy-1,2-ethanediyl], 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate, 2-[2-(2-propoxyethoxy)ethoxy]ethyl-2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoroctyl 2-propenoate		1429174-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate		1430799-96-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymers with γ-ω-perfluoro-C8-16-alkyl methacrylate, stearyl methacrylate and tridecylmethacrylate		1221681-75-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1-(hydrogen sulfate), ammonium salt (1:1)		63225-58-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(hydrogen sulfate), ammonium salt (1:1)		63225-57-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, reaction products with acetic acid (γ-ω-perfluoro-C8-10-alkyl)thio derivs. Bu esters and polyethylenimine		1374418-39-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers withN-(1,1-dimethyl-3-oxobutyl)-2-propenamide, 2-ethylhexyl acrylate, γ-ω-perfluoro-C8-16-alkyl acrylate, stearyl acrylate and vinyl chloride, 2,2'-azobis[2-methylpropanimidamide] dihydrochloride-initiated		325966-78-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Methanol, reaction products with 1,6-diisocyanatohehexane, ethylene, ethyleneoxide, iodoethane and tetrafluoroethylene		254889-79-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohehexyl)-, reaction products with3-chloro-1,2-propanediol, ethylene, iodoethane and tetrafluoroethylene		254889-72-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Butanedioic acid, monopolyisobutylene derivs., 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl ester		253683-00-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
9-Octadecenoic acid (9Z)-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl ester		167289-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymers with maleicanhydride, 2-[[[(2-mercaptoethoxy)carbonyl]amino]ethyl methacrylate, γ-ω-perfluoro-C8-16-alkyl acrylate and stearyl methacrylate		333784-46-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers with2,3-dihydroxypropyl methacrylate, γ-ω-perfluoro-C8-16-alkyl acrylate, polyethylene glycol methacrylate Me ether and polypropylene glycolmonomethacrylate		333784-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, reactionproducts with [(trimethylsilyl)oxy]-modified silica		254889-67-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Perfluoro compounds, C5-18		86508-42-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Tetradecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-14-iodo-		30046-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●										●						
1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-3-[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]-, innersalt		93776-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●											●					
1-Tridecanaminium, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, iodide (1:1)		93776-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●																
Ethaneperoxic acid, reaction products with3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl thiocyanate and3,3,4,4,5,5,6,6,7,7,8,8,8,8-tridecafluorooctyl thiocyanate		182176-52-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, lithium salt (1:1)		17125-58-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Pentadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-heptacosafuoro-		176676-70-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Tridecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafuoro-		1545-59-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Undecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoro-		87017-97-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Undecanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-nonadecafluoro-		191852-87-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate)		54009-73-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt		63295-18-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate), compd. with 2,2'-iminobis[ethanol] (1:2)		63295-19-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate, diammonium salt		63295-23-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Acetic acid, 2-[[[3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-1-[(phosphonoxy)methyl]-9-(trifluoromethyl)decyl]oxy]-, ammonium salt (1:2)		63295-24-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
1-Undecanol, 2-chloro-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate		63295-22-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-, dihydrogen phosphate, potassium salt		90179-37-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Diphosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester, compd. with 2,2',2''-nitrioltris[ethanol] (1:3)		98005-85-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diphosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester, compd. with 2-aminoethanol (1:3)		98005-84-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl) mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester		1158182-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl) ester		1578186-42-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl) mono(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl) ester		1158182-61-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11, 11,11-hexadecafluoro-10-(trifluoromethyl)-, 1,1-(hydrogen phosphate)		63295-20-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Undecanol, 2-chloro-4,4,5,5,6,6,7,7,8,8,9,9, 10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, hydrogen phosphate		63295-26-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Nonadecanol, 12,12,13,13,14,14,15,15,16, 16,17,17, 18,18,19,19,19-heptadecafluoro-, dihydrogen phosphate		2343-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluorodecyl bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) ester		1578186-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl) 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester		1578186-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-heneicosafuorododecyl 3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester		1578186-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Phosphoric acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-heneicosafuorododecylbis (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) ester		1578186-57-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanesulfonamide, 3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-heptadecafluoro-N-[3-(phosphono oxy)propyl]-N-propyl-, sodium salt (1:2)		441765-20-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10-heptadecafluoro-1-(hydroxymethyl)decyl ester		146955-29-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,11-heptadecafluoro-2-hydroxyundecyl ester		76962-34-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Silane, tetrakis[2-((3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl)thio)ethyl]-		1189587-64-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		77117-48-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		1835250-28-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		182130-12-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		1835250-47-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		182130-14-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		182130-15-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		6145-05-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Heptadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		931415-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Octadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		138472-76-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		117146-18-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Hexacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		133310-73-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Octacosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		137338-39-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Triacontane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		137338-40-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Dotriacontane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		137338-41-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		154478-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		1835251-22-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		1244062-17-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		250738-42-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		116177-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Heptadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		200817-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Octadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		93454-70-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Nonadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		125635-85-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		90499-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Docosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-		93454-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Eicosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20-tetraatriacontafuoro-		133299-41-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,24-tetraatriacontafuoro-		100550-08-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	
9-Tetracosane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-		1244062-16-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-		31200-97-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Nonanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-		423-56-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-		307-37-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Undecanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heneicosafuoro-		307-46-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Nonanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-		63967-40-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Decanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-		335-73-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Undecanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heneicosafuoro-		63967-42-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanol, 2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]ethoxy]-		56900-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Propanol, [2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]methylthoxy]-		88243-13-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanol, 2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]methylthoxy]methylthoxy]-		88243-12-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluoro-		55427-54-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluorodimethyl-		88271-22-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12-Tetraoxadocosan-1-ol, 15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,22-heptadecafluorotetramethyl-		88243-14-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12,15-Pentaoxapentacosan-1-ol, 18,18,19,19,20,20,21,21,22,22,23,23,24,24,25,25,25-heptadecafluoropentamethyl-		88243-15-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22,22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoro-		88247-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22,22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoropentamethyl-		88243-11-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12,15,18-Hexaoxaoctacosan-1-ol, 21,21,22,22,23,23,24,24,25,25,26,26,27,27,28,28,28-heptadecafluoro hexamethyl-		88243-16-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12,15,18,21-Heptaoxahentriacontan-1-ol, 24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,31-heptadecafluoropentamethyl-		88243-10-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12,15,18,21,24-Octaoxatetriacontan-1-ol, 27,27,28,28,29,29,30,30,31,31,32,32,33,33,34,34,34-heptadecafluoro-		88247-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
3,6,9,12,15,18,21,24-Octaoxatetriacontan-1-ol, 27,27,28,28,29,29,30,30,31,31,32,32,33,33,34,34,34-heptadecafluoro octamethyl-		88243-17-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Dodecanaminium, N-(carboxymethyl)-3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-eicosafuoro-N,N-dimethyl-, inner salt		171184-04-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecanaminium, N-(carboxymethyl)-5,5,6,6, 7,7,8,8,9,9,10,10,11,11,12,12,12-heptadeca fluoro-N,N-dimethyl-		2089109-30-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Undecanaminium, 2-(acetyloxy)-N-(carboxy methyl)-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-N,N-dimethyl-, inner salt		80234-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Tridecanaminium, 2-(acetyloxy)-N-(carboxy methyl)-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafuoro-N,N-dimethyl-, inner salt		80244-66-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenamide, telomer with 3,3,4,4,5,5,6,6,7,7, 8,8,9,9,10,10,10-heptadecafluoro-1-decanethiol		76830-13-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenamide, telomer with 3,3,4,4,5,5,6,6,7,7, 8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-1-dodecanethiol		121913-10-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-heptadecafluoro-, potassium salt (1:1)		438237-73-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Butanedioic acid, 2-sulfo-, 1,4-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester, sodium salt (1:1)		54950-06-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Acetic acid, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-, lithium salt (1:1)		441765-12-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Propanoic acid, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		54207-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Propanoic acid, 3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-, lithium salt (1:1)		481050-04-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanesulfonic acid, 2-[(3,3,4,4,5,5,6,6,7,7,8,8,9, 9,10,10,10-heptadecafluorodecyl)thio]-, lithium salt (1:1)		441765-14-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propanol, 1,3-bis[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptadecafluorodecyl)thio]-		160819-47-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propanol, 1-[(2-dodecylhexadecyl)oxy]-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		160819-50-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propanol, 1-[(2-decyltetradecyl)oxy]-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		160819-49-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2,5,8,11,14,17,20,23-Octaoxa-27-thiaheptatria contan-25-ol, 30,30,31,31,32,32,33,33,34,34,35,35,36,36,37,37,37-heptadecafluoro-		121912-28-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)thio]-		727351-53-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)sulfinyl]-		1513864-17-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)thio]-, chloride (1:1)		71940-07-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanaminium, 2-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptafluorodecyl)thio]ethoxy]-N,N,N-trimethyl-, iodide (1:1)		71625-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Acetamide, N-[3-(dimethylamino)propyl]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)thio]-		1513863-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Acetamide, N-[3-(dimethylamino)propyl]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl) thio]-		1513863-92-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, 3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,10-heptafluorodecyl)thio]acetyl] amino]-N,N,N-trimethyl-		704870-51-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, 3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,11,11,12,12,12-heneicosafuorodecyl)thio]acetyl]amino]-N,N,N-trimethyl-		1513864-01-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N-ethyl-3-[[3-[(3,3,4,4,5, 5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl) thio]-2-methyl-1-oxopropyl]amino]-N,N-dimethyl-, ethyl sulfate (1:1)		67333-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N-(carboxymethyl)-3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)thio]acetyl] amino]-N,N-dimethyl-, inner salt		1513863-96-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, N-(carboxymethyl)-3-[[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl) thio]acetyl] amino]-N,N-dimethyl-, inner salt		1513863-97-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Butanoic acid, 4-[[3-(dimethylamino)propyl] amino]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl) thio]-4-oxo-		1383438-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Butanoic acid, 4-[[3-(dimethylamino)propyl] amino]-2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl)thio]-4-oxo-		1383438-90-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6, 7,7,8,8,9,9,10,10,10-heptafluorodecyl)thio]-1-oxopropyl]amino]-2-methyl-		755698-73-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6, 7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro dodecyl)thio]-1-oxopropyl] amino]-2-methyl-		690947-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6, 7,7,8,8,9,9,10,10,10-heptafluorodecyl)thio]-1-oxopropyl]amino]-2-methyl-, sodium salt (1:1)		62880-96-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7, 7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro dodecyl)thio]-1-oxopropyl]amino]-2-methyl-, sodium salt (1:1)		62880-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)sulfinyl]-		1513864-19-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7, 7,8,8,9,9,10,10,10-heptafluorodecyl) sulfinyl]-1-oxopropyl]amino]-2-methyl-		1513864-12-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Propanesulfonic acid, 2-[[3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro dodecyl)sulfonyl]-1-oxopropyl]amino]-2-methyl-		1513864-11-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanesulfonamide, N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		80475-33-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Decanesulfonamide, N-[3-(dimethylamino) propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-		34455-23-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Dodecane sulfonamide, N-[3-(dimethylamino) propyl]-3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		34455-24-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanaminium, N-(2-carboxyethyl)-2-[[[(3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro decyl)sulfonyl]amino]-N,N-dimethyl-, inner salt		34695-29-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanaminium, N-(2-carboxyethyl)-2-[[[(3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl) sulfonyl]amino]-N,N-dimethyl-, inner salt		34695-31-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Glycine, N-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]-N-propyl-, lithium salt		441765-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
β-Alanine, N-(2-carboxyethyl)-N-6-[[[(3,3,4,4, 5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro decyl)sulfonyl]amino]hexyl]-, dipotassium salt		98900-53-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
2-Propenoic acid, polymer with 2-ethylnaphthalene and 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl 2-propenoate		934505-67-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Glycine, N-ethyl-N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)-, ammonium salt		138473-79-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-(14-hydroxy-3,6,9,12-tetraoxatetradec-1-yl)-		89932-71-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Ethanaminium, N,N,N-trimethyl-2-[[2,2,3,3,4,4, 5,5,6,6,7,7,7-pentadecafluoro-1-oxooctyl]amino]-, chloride (1:1)		178766-44-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N-[3-(dimethylamino)propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		376-23-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Pentanaminium, N,N,N-trimethyl-5-[[2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl]amino]-, iodide (1:1)		91707-61-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, N-[3-(dimethylamino)propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-		30295-53-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Pyridinium, 1-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]ethyl]-, chloride (1:1)		308-01-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Pyridinium, 1-[2-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]ethyl]-, bromide (1:1)		331755-02-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Piperazinium, 1-(2-hydroxyethyl)-1-methyl-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)-, chloride (1:1)		103555-98-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethanesulfonic acid, 2-[ethyl(2,2,3,3,4,4,5,5,6,6, 7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, potassium salt (1:1)		57670-46-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
1-Propanesulfonic acid, 3-[(3-aminopropyl)(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-2-hydroxy-, sodium salt (1:1)		98900-76-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Benzenesulfonic acid, 4-[[[3-(methylamino) propyl](2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]methyl]-, sodium salt (1:1)		98900-75-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Octanamide, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-N-[3-(trimethoxysilyl)propyl]-		98046-76-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
Poly(oxy-1,2-ethanediyl), α-[dimethoxy{3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]propyl}silyl]-ω-[[dimethoxy{3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]propyl}silyl]oxy]-		154380-30-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P																
PFCAs (C9-C14), Linear and branched perfluorocarboxylic acids containing 9 to 14 carbon atoms in the chain, their salts and related substances, identified in rows		-	Prohibited			P																
PFCAs (C9-C14) and their salts	PFCA類(C9-C14)およびその塩		Prohibited			P																
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,12,12-docosafuoro-11-(trifluoromethyl)dodecanoil fluoride		15811-52-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
Docosafuoro-11-(trifluoromethyl)dodecanoic acid		16486-96-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
Hexacosafuoro-13-(trifluoromethyl)tetradecanoic acid		18024-09-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
Perfluoro-n-undecanoic acid		2058-94-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●													
Perfluorononan-1-oic acid, sodium salt		21049-39-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●										●			
Perfluorododecanoic acid		307-55-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●					●								
Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafuoroundecanoate		307-71-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
Ammonium nonadecafluorodecanoate		3108-42-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●										●			
Decanoic acid, nonadecafluoro-		335-76-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●										●	●		
Ammonium octadecafluoro-9-(trifluoromethyl)decanoate		3658-63-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
Nonanoic acid, heptadecafluoro-		375-95-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●										●			
Perfluoromyristic acid		376-06-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●					●								
Ammonium tricosafuorododecanoate		3793-74-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
Sodium nonadecafluorodecanoate		3830-45-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●										●			
Perfluorononan-1-oic acid, ammonium salt		4149-60-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●										●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-docosafuoro-11-(trifluoromethyl)lauric acid, compound with ethylamine (1:1)		68015-87-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafuoro-13-(trifluoromethyl)myristoyl fluoride		68025-62-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●		●													
Pentacosafuorotridecanoic acid		72629-94-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	C9-C14 PFCAs and their salts total 25 ppb	P	●	●	●						●							
PFCAs (C9-C14) related substances	PFCAs類(C9-C14)関連物質		Prohibited			P																
Alkyl iodides, C6-18, perfluoro		90622-71-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
C10-2 fluorotelomer alcohol; 1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-		865-86-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●		●									●				
C10-2 telomer B iodide:		2043-54-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●		●									●				
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-12-iodododecane		307-60-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
2-Propenoic acid, gamma-omega-perfluoro-C8-14-alkyl esters		85631-54-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoropentadecan-2-ol		94159-79-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-2-hydroxy-12-(trifluoromethyl)tridecyl phosphate		94200-50-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl dihydrogen phosphate		63295-28-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-icosafuoro-11-(trifluoromethyl)dodecyl methacrylate		74256-14-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuoro-2-hydroxytridecan-1-yl][bis(2-hydroxyethyl)]methylammonium iodide		93776-17-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-2-hydroxyheptadecyl dihydrogen phosphate		94200-43-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P	●		●									●				
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl phosphate		94200-51-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
Nonacosafuoro-1-iodotetradecane		307-63-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
Eicosafuoro-10-iodo-2-(trifluoromethyl)decane		677-93-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-14-iodotetradecane		30046-31-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●		●									●				
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.		68412-69-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
Amides, C7-19, alpha-omega-perfluoro-N,N-bis(hydroxyethyl)		90622-99-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl methacrylate		4980-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl acrylate		16083-87-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●									●						
Fatty acids, C7-13, perfluoro		68333-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●				●						●					
1,1'-[oxybis[(1-methylethylene)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoropentadecan-2-ol]		93776-00-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuoro-2-hydroxytridecyl dihydrogen phosphate		94158-70-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl phosphate		94200-47-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
Henicosafuoro-10-iododecane		423-62-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
Nonadecafuoro-9-iodononane		558-97-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
Octacosafuoro-14-iodo-2-(trifluoromethyl)tetradecane		3248-63-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl methacrylate		6014-75-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-2-hydroxy-12-(trifluoromethyl)tridecyl dihydrogen phosphate		63295-27-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-nonacosafuoro-16-iodohexadecane		65510-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●	●										●					
1-(Carboxylatomethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafuoro-1-oxodecyl)piperazinium; Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafuoro-1-oxodecyl)-, hydroxide, inner salt		71356-38-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafuoro-13-(trifluoromethyl)tetradecyl methacrylate		74256-15-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
(2-carboxylatoethyl)(dimethyl)[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]propyl]mmonium		93776-15-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
Bis(2-hydroxyethyl)methyl(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl)ammonium iodide		93776-16-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P	●	●										●					
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-14-(trifluoromethyl)pentadecan-2-ol		94159-82-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecyl methacrylate		2144-54-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecyl acrylate		17741-60-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●	●										●					
Alkyl iodides, C4-20, gamma-omega-perfluoro		68188-12-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●	●										●					

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(2-carboxylatoethyl)(dimethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl)amino]propyl]ammonium		93776-12-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-12-(trifluoromethyl)tridecan-1-ol		94159-83-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl dihydrogen phosphate		94200-42-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P	●		●													
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-2-hydroxyheptadecyl phosphate		94200-48-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●				
2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafuoroundecanoic acid		1765-48-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P	●		●										●			
Bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12,12-henicosafuorododecyl] hydrogen phosphate		1895-26-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafuoro-13-(trifluoromethyl)tetradecyl acrylate		52956-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecanol		60699-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●		●										●			
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodoundecane		65510-56-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
2-Propenoic acid, perfluoro-C8-16-alkyl esters		85681-64-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts		93062-53-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafuoro-12-iodo-2-(trifluoromethyl)dodecane		3248-61-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecanol		39239-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb Intentionally added amounts must be reported to EPA	P	●		●										●			
Carboxylic acids, C7-13, perfluoro, ammonium salts		72968-38-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●				●						●			
Fatty acids, C7-19, perfluoro		91032-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●				●						●			
(2-carboxylatoethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxytridecyl)amino]propyl]dimethylammonium		93776-13-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
Bis(2-hydroxyethyl)methyl[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]ammonium iodide		94159-76-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P	●		●													
1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuorotridecan-2-ol		94159-80-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			
Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuoro-2-hydroxytridecyl phosphate		94200-46-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●										●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate		65104-45-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●								●						
2H-Pyran, 2,2,3,3,4,4,5,5,6,6-nonafluorotetrahydro-6-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluorononyl)-		68155-54-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P	●		●														
Alkyl iodides, C10-12, .gamma.-.omega.-perfluoro		68390-33-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorododecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate		115592-83-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate		125328-29-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ-ω-perfluoro-C8-14-alkyl acrylate.		129783-45-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ-ω-perfluoro-C8-14-alkyl acrylate		144031-01-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
C9-C14 PFCAs salts and precursors		NA	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P			●														
Undecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafuoro-11-iodo-		307-50-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
Pentadecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontafuoro-15-iodo-		335-79-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
Tridecane,1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heptacosafuoro-13-iodo-		376-04-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 1000ppb	P	●		●									●					
Phosphonic acid, perfluoro-C6-12-alkyl derivs.		68412-68-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	PFOA-related substances 260ppb	P	●		●														
PFOS, Perfluorooctane sulfonates C8F17SO2X (X = OH, Metal salt, halide, amide, and other derivatives including polymers), all members	PFOS、パーフルオロオクタンスルホン酸塩 C8F17SO2X (X = OH、金属塩、ハロゲン化合物、アミド、およびポリマーを含むその他の誘導体)、全て		Prohibited			P																	
Perfluorooctane sulfonate acid	パーフルオロオクタンスルホン酸(PFOS)	1763-23-1	Prohibited	All applications and products	Intentionally added	P	●					●						●	●	●	●		
Perfluorooctane sulfonate anion	パーフルオロオクタンスルホン酸アニオン	45298-90-6	Prohibited	All applications and products	Intentionally added	P																	
Perfluoro-1-octanesulfonyl fluoride	パーフルオロオクタンスルホン酸フルオライド(PFOSF)	307-35-7	Prohibited	All applications and products	Intentionally added	P	●					●						●		●			
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)-sulfonyl]amino]ethyl acrylate and vinylidene chloride	2-[メチル(パーフルオロアルキル(炭素数4-8)スルホニル)アミノ]エチルアクリレート、塩化ビニリデンの2-プロパノ酸2-メチル-2-プロパノイル塩	306975-62-2	Prohibited	All applications and products	Intentionally added	P	●																
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt	グリシン、N-エチル-N-[(パーフルオロオクタンスルホニル)スルホニル]-カリウム塩	2991-51-7	Prohibited	All applications and products	Intentionally added	P	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluorooctane sulfonate potassium salt	ヘキサフルオロオクタンスルホン酸カリウム	2795-39-3	Prohibited	All applications and products	Intentionally added	P	●						●				●	●	●			
Perfluorooctane sulfonate ammonium salt	ヘキサフルオロオクタンスルホン酸アンモニウム	29081-56-9	Prohibited	All applications and products	Intentionally added	P	●						●					●	●	●		
Perfluorooctane sulfonate lithium salt	リチウムヘキサフルオロオクタンスルホン酸	29457-72-5	Prohibited	All applications and products	Intentionally added	P	●						●					●	●	●		
Tetraethylammoniumheptadecafluorooctanesulfonate	ヘキサフルオロオクタンスルホン酸テトラエチルアンモニウム	56773-42-3	Prohibited	All applications and products	Intentionally added	P	●						●					●		●		
PFHxS, Perfluorohexane-1-sulphonic acid and its salts and PFHxS Related Substances, identified in rows		-				P																
PFHxS and its salts	PFHxSおよびその塩		Prohibited			P																
Perfluorohexane-1-sulphonic acid		355-46-4	Prohibited	All applications and products	25 ppb	P	●	●					●									
Perfluorohexane-1-sulphonic acid, ammonium salt		68259-08-5	Prohibited	All applications and products	25 ppb	P	●	●					●					●				
Perfluorohexane-1-sulphonic acid, potassium salt		3871-99-6	Prohibited	All applications and products	25 ppb	P	●	●					●					●				
PFHxS related substances	PFHxS関連物質		Prohibited			P																
1-Hexanesulfonyl bromide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		111393-39-6	Prohibited	All applications and products	1,000 ppb	P																
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-dimethyl-		1270179-82-2	Prohibited	All applications and products	1,000 ppb	P																
1-Hexanesulfonamide, N,N-diethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		1270179-93-5	Prohibited	All applications and products	1,000 ppb	P																
2-Propenoic acid, 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate		127133-66-8	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-(2-oxiranylmethyl)		129813-71-4	Prohibited	All applications and products	1,000 ppb	P	●															
β-Alanine, N-[3-(dimethylamino)propyl]-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		141607-32-1	Prohibited	All applications and products	1,000 ppb	P																
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-		1427176-17-7	Prohibited	All applications and products	1,000 ppb	P																
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-bis(2-methoxyethyl)-		1427176-20-2	Prohibited	All applications and products	1,000 ppb	P																
Benzenamine, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		147029-28-5	Prohibited	All applications and products	1,000 ppb	P																
Fatty acids, C18-unsatd., trimers, 2-[methyl(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl esters		148240-80-6	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycol		148684-79-1	Prohibited	All applications and products	1,000 ppb	P	●															
Benzene, 1-fluoro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		149652-30-2	Prohibited	All applications and products	1,000 ppb	P																
Benzoic acid, 2,3,4,5-tetrachloro-6-[[3-(3-hydroxyphenyl)amino]carbonyl]-, perfluoro-C6-8-alkanesulfonates (esters), monopotassium salts		160305-97-5	Prohibited	All applications and products	1,000 ppb	P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, butyl ester, polymers with 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		160336-17-4	Prohibited	All applications and products	1,000 ppb	P																
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate		160901-25-7	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol, Me Et ketone oxime and polymethylenepolyphenylene isocyanate		160901-26-8	Prohibited	All applications and products	1,000 ppb	P																
Fatty acids, C18-unsatd., trimers, 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters		161074-58-4	Prohibited	All applications and products	1,000 ppb	P																
Sulfonamides, C4-8-alkane, perfluoro, N-(3-chloro-2-hydroxypropyl)-N-methyl		1645842-67-6	Prohibited	All applications and products	1,000 ppb	P																
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene and N-butyl-1-butanamine		1645850-46-9	Prohibited	All applications and products	1,000 ppb	P																
Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene		1645852-09-0	Prohibited	All applications and products	1,000 ppb	P																
Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomers with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated		1645852-10-3	Prohibited	All applications and products	1,000 ppb	P																
2-Propenoic acid, polymers with lauryl acrylate and 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		1648534-82-0	Prohibited	All applications and products	1,000 ppb	P																
Poly(oxy-1,2-ethanediyl), á-[2-(methylamino)ethyl]-ú-hydroxy-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., C12-16-alkyl ethers		1648539-69-8	Prohibited	All applications and products	1,000 ppb	P																
2-Propenoic acid, 2-(methylamino)ethyl ester, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., polymers with propene		1648540-20-8	Prohibited	All applications and products	1,000 ppb	P																
Benzene, 1-nitro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-		171561-95-8	Prohibited	All applications and products	1,000 ppb	P																
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)		178094-71-8	Prohibited	All applications and products	1,000 ppb	P																
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), polymers with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked		178535-22-3	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], potassium salts		179005-06-2	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl]		179005-07-3	Prohibited	All applications and products	1,000 ppb	P																
2-Propenoic acid, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester		1893-52-3	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid		192662-29-6	Prohibited	All applications and products	1,000 ppb	P	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with poly(Bu acrylate) and polyethylene-polypropylene glycol mono-Bu ether		222716-67-8	Prohibited	All applications and products	1,000 ppb	P																	
Pyridinium, 1-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt		254889-10-6	Prohibited	All applications and products	1,000 ppb	P																	
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		30295-56-8	Prohibited	All applications and products	1,000 ppb	P																	
Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxyoctadecanoic acid and 2,4-TDI, ammonium salts		306973-47-7	Prohibited	All applications and products	1,000 ppb	P	●																
Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]		306974-19-6	Prohibited	All applications and products	1,000 ppb	P	●																
Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and stearyl methacrylate		306974-28-7	Prohibited	All applications and products	1,000 ppb	P	●																
Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether		306974-45-8	Prohibited	All applications and products	1,000 ppb	P	●																
Fatty acids, C18-unsatd., dimers, 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters		306974-63-0	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride	2-メチル[( <sup>18</sup> F)ラジオ標識(炭素数4-8) 脂肪酸]アクリレート及び塩化ビニレンとの混合物の2- <sup>18</sup> Fラジオ標識	306975-62-2	Prohibited	All applications and products	1,000 ppb	P	●																
Poly(oxy-1,2-ethanediyl), á-hydro-ú-hydroxy-, polymer with 1,6-diisocyanatohexane, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides-blocked		306975-84-8	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with N-(hydroxymethyl)-2-propenamide, 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate, stearyl methacrylate and vinylidene chloride		306975-85-9	Prohibited	All applications and products	1,000 ppb	P	●																
1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-propen-1-yl)oxy]ethyl]-, bromide (1:1), polymers with Bu acrylate, Bu methacrylate and 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate		306976-25-0	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2-propenoic acid, N-ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulfonamides-blocked		306976-55-6	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-octanethiol, N-oxides		306977-10-6	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2'-(methylimino)bis[ethanol]		306977-58-2	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride		306978-04-1	Prohibited	All applications and products	1,000 ppb	P	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides- and stearyl alc.- blocked		306978-65-4	Prohibited	All applications and products	1,000 ppb	P	●													●		
Poly(oxy-1,2-ethanediyl), á-[2-(methylamino)ethyl]-ù-[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs.		306979-40-8	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediybis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-		306980-27-8	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-		34455-03-3	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		355-46-4	Prohibited	All applications and products	1,000 ppb	P	●	●				●										
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)		3871-99-6	Prohibited	All applications and products	1,000 ppb	P	●	●				●					●					
1-Propanaminium, 3-[[[carboxymethyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt		38850-52-1	Prohibited	All applications and products	1,000 ppb	P	●															
1-Propanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-3-[[[3-sulfopropyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, inner salt		38850-58-7	Prohibited	All applications and products	1,000 ppb	P	●															
1-Propanesulfonic acid, 3-[[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-		38850-60-1	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		41997-13-1	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		423-50-7	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl ester, polymers with polyethylene glycol acrylate Me ether		504396-13-8	Prohibited	All applications and products	1,000 ppb	P																
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		50598-28-2	Prohibited	All applications and products	1,000 ppb	P	●															
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, reaction products with Me Et ketone oxime, 2-mercaptoethanol, 2-[methyl[(perfluoro-C3-8-alkyl)sulfonyl]amino]ethyl acrylate, polymethylenepolyphenylene isocyanate and polypropylene glycol		507225-08-3	Prohibited	All applications and products	1,000 ppb	P																
1-Propanaminium, N,N,N-trimethyl-3-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-, chloride (1:1)		52166-82-2	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)		55120-77-9	Prohibited	All applications and products	1,000 ppb	P	●	●				●					●					
1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		55591-23-6	Prohibited	All applications and products	1,000 ppb	P																
Poly(oxy-1,2-ethanediyl), á-[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]-ù-hydroxy-		56372-23-7	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-2-propen-1-yl-		67584-48-9	Prohibited	All applications and products	1,000 ppb	P	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Glycine, N-ethyl-N- [(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]-, potassium salt (1:1)		67584-53-6	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2- [methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl ester		67584-57-0	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2- [methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl ester		67584-61-6	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl ester		67906-70-1	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2- propenoate and 2-propenoic acid		67906-71-2	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 4- [methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]butyl ester		67939-61-1	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonamide, N,N'- [phosphinobis(oxy-2,1-ethanediyl)]bis[N- ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-		67939-92-8	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N- [2-(phosphonoxy)ethyl]-		67969-65-7	Prohibited	All applications and products	1,000 ppb	P	●															
Hexane, 1-(ethenylsulfinyl)- 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		680187-85-3	Prohibited	All applications and products	1,000 ppb	P																
Hexane, 1-(ethenylsulfonyl)- 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-		680187-86-4	Prohibited	All applications and products	1,000 ppb	P																
Carbamic acid, N,N'-(4-methyl-1,3- phenylene)bis-, bis[2-[ethyl[(perfluoro-C4- 8-alkyl)sulfonyl]amino]ethyl] ester		68081-83-4	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4- nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl- 2-propenoate, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]ethyl 2- methyl-2-propenoate, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl 2- methyl-2-propenoate, 2- [ethyl[(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]ethyl 2- methyl-2-propenoate, 2-methyloxirane polymer with oxirane di-2-propenoate, 2-methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol		68227-87-2	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2- [[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methyl]amino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4- nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, δ-(2-methyl-1-oxo-2-propen-1-yl)- hydroxypoly(oxy-1,2-ethanediyl), δ-(2-methyl-1- oxo-2-propen-1-yl)-[[[(2-methyl-1-oxo-2-propen-1- yl)oxy]poly(oxy-1,2-ethanediyl), 2- [methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]ethyl 2- propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluorohexyl)sulfonyl]amino]ethyl 2- propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]ethyl 2- propenoate and δ-(1-oxo-2-propen-1-yl)- methoxypoly(oxy-1,2-ethanediyl)		68227-94-1	Prohibited	All applications and products	1,000 ppb	P	●															



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-Propenoic acid, 2-methyl-, 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 4-(2-methyl-1-oxo-2-propen-1-yl)-4-hydroxypoly(oxy-1,4-butanediyl), 4-(2-methyl-1-oxo-2-propen-1-yl)-4-(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		68299-39-8	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, eicosyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, hexadecyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate and octadecyl 2-propenoate		68329-56-6	Prohibited	All applications and products	1,000 ppb	P	●																
Sulfonic acids, C6-12-alkane, perfluoro, potassium salts		68391-09-3	Prohibited	All applications and products	1,000 ppb	P	●						●										
Glycine, N-ethyl-N-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]-, sodium salt (1:1)		68555-70-4	Prohibited	All applications and products	1,000 ppb	P	●																
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-		68555-75-9	Prohibited	All applications and products	1,000 ppb	P	●																
Polymer based on 67584-55-8		68555-90-8	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, 2-methyl-, 2-[ethyl[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[[[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate		68555-91-9	Prohibited	All applications and products	1,000 ppb	P	●																
2-Propenoic acid, 2-methyl-, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate		68555-92-0	Prohibited	All applications and products	1,000 ppb	P	●																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-[[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-chloro-1,3-butadiene, 2-[[ethyl[[1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-[[ethyl[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate		68568-77-4	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[[methyl[[nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propenyl)-ú-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propenyl)-ú-((2-methyl-1-oxo-2-propenyl)oxy)poly(oxy-1,2-ethanediyl), 2-[[methyl[[pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[[methyl[[tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate and 2-[[methyl[[undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate (9CI)		68586-13-0	Prohibited	All applications and products	1,000 ppb	P																
2-Propenoic acid, 2-[[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, telomer with 2-[[methyl[[1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, á-(2-methyl-1-oxo-2-propenyl)-ú-hydroxypoly(oxy-1,2-ethanediyl), á-(2-methyl-1-oxo-2-propenyl)-ú-[[2-methyl-1-oxo-2-propenyl]oxy]poly(oxy-1,2-ethanediyl), 2-[[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[[methyl[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol		68586-14-1	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with TDI		68608-13-9	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene]		68608-14-0	Prohibited	All applications and products	1,000 ppb	P	●															
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-, reaction products with N-ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide, polymethylenepolyphenylene isocyanate and stearyl alc.		68649-26-3	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[[methyl[[1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[[methyl[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[[methyl[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate		68797-76-2	Prohibited	All applications and products	1,000 ppb	P	●															
Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-[[[1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]oxy]phenyl]amino]carbonyl]-, potassium salt (1:1)		68815-72-5	Prohibited	All applications and products	1,000 ppb	P	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and δ-(1-oxo-2-propen-1-yl)-ù-methoxypropyl(oxy-1,2-ethanediy)		68867-60-7	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and δ-(1-oxo-2-propen-1-yl)-ù-methoxypropyl(oxy-1,2-ethanediy)		68867-62-9	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-methyl-1,3-butadiene		68877-32-7	Prohibited	All applications and products	1,000 ppb	P	●															
Chromium, diaquatetrachloro[-i-[N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]glycinato-èO:è O']]-i-hydroxybis(2-propanol)di-		68891-98-5	Prohibited	All applications and products	1,000 ppb	P	●															
2-Propenoic acid, eicosyl ester, polymers with branched octyl acrylate, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl acrylate, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(tridecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl acrylate, polyethylene glycol acrylate Me ether and stearyl acrylate		68909-15-9	Prohibited	All applications and products	1,000 ppb	P	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]-		68957-32-4	Prohibited	All applications and products	1,000 ppb	P	●															
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]-, ethyl ester		68957-53-9	Prohibited	All applications and products	1,000 ppb	P	●															
1-Propanaminium, N,N,N-trimethyl-3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]-, iodide (1:1)		68957-58-4	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, hydrochloride (1:1)		68957-61-9	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)		70225-16-0	Prohibited	All applications and products	1,000 ppb	P	●	●				●					●					



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, sodium salt (1:1)		82382-12-5	Prohibited	All applications and products	1,000 ppb	P	●	●				●					●					
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-N- (2-hydroxyethyl)-N-propyl-		85665-64-1	Prohibited	All applications and products	1,000 ppb	P	●															
Glycine, N-propyl-N- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]-, potassium salt (1:1)		85665-66-3	Prohibited	All applications and products	1,000 ppb	P	●															
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, zinc salt (2:1)		86525-30-6	Prohibited	All applications and products	1,000 ppb	P	●															
Thiophene, 2-[2- [(tridecafluoroethyl)sulfonyl]ethenyl]-		86525-43-1	Prohibited	All applications and products	1,000 ppb	P	●															
Furan, 2-[2-[(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethenyl]-		86525-48-6	Prohibited	All applications and products	1,000 ppb	P	●															
Benzene, 1-methyl-4-[2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethenyl]-		86525-51-1	Prohibited	All applications and products	1,000 ppb	P	●															
Benzene, 1-methoxy-4-[2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethenyl]-		86525-52-2	Prohibited	All applications and products	1,000 ppb	P	●															
Thiophene, 2-[1-(phenylthio)-2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethyl]-		89863-48-9	Prohibited	All applications and products	1,000 ppb	P	●															
Furan, 2-[1-(phenylthio)-2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethyl]-		89863-49-0	Prohibited	All applications and products	1,000 ppb	P	●															
Benzene, 1-methyl-4-[1-(phenylthio)-2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethyl]-		89863-50-3	Prohibited	All applications and products	1,000 ppb	P	●															
Thiophene, 2-[1-(nitromethyl)-2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethyl]-		89863-55-8	Prohibited	All applications and products	1,000 ppb	P	●															
Furan, 2-[1-(nitromethyl)-2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethyl]-		89863-56-9	Prohibited	All applications and products	1,000 ppb	P	●															
2,4-Pentanedione, 3-[1-(2-thienyl)-2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethyl]-		89863-63-8	Prohibited	All applications and products	1,000 ppb	P	●															
2,4-Pentanedione, 3-[1-(2-furanyl)-2- [(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]ethyl]-		89863-64-9	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonamides, C4-8-alkane, perfluoro, N- (hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)		91081-99-1	Prohibited	All applications and products	1,000 ppb	P	●															
Isoxazolidine, 4-(4-methoxyphenyl)-2- methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6- tridecafluoroethyl)sulfonyl]-		93416-31-0	Prohibited	All applications and products	1,000 ppb	P	●															
Sulfonic acids, C6-12-alkane, perfluoro		93572-72-6	Prohibited	All applications and products	1,000 ppb	P	●						●									
Sulfonamides, C4-8-alkane, perfluoro, N- [4,7-dimethyl-4-[[[(1- methylpropylidene)amino]oxy]-3,5-dioxa- 6-aza-4-silanon-6-en-1-yl]-N-ethyl		944578-05-6	Prohibited	All applications and products	1,000 ppb	P	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Other PFAS Substances, all members (Includes substances taken from a series of government regulatory lists and compared to (major market) country inventories to obtain a list of commercially available PFAS substances not listed in other PFAS substance groups)		(Note: Some substances do not have CAS RNs. The US EPA/TSCA Accession Number will be shown as the identifier where available.)	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-((2,2,3,3,3-pentafluoropropoxy)methyl)oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1), polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane		1029089-63-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Lufenuron		103055-07-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(Perfluorotetradecyl)ethanethiol		103119-64-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2,9-dimethyldecane		103188-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediyl)], $\alpha$ -[1,2,2,2-tetrafluoro-1-[[[2-hydroxyethyl]amino]carbonyl]ethyl]- $\omega$ -[tetrafluoro(trifluoromethyl)ethoxy]-, ether with $\alpha$ -hydro- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl) (2:1)		1033385-42-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-[3-(Dimethylamino)propyl]perfluoroheptanamide		103831-28-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Reaction products with N-methylamine acetate, potassium hydroxide, $\alpha$ -fluoro- $\omega$ -iodopoly(perfluoroethylene)(n=4-8) and 2-propen-1-ol (Unidyne DS 102)		104075-34-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(oxy-1,2-ethanediyl), $\alpha$ -[5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-octadecafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl]- $\omega$ -hydroxy-		104075-36-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)aniline	3,5-ジクロロ-4-(1,1,2,2-テトラフルオロエトキシ)アニリン	104147-32-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-[[[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl]ester, copolymer with methylloxirane and oxiranemono-2-propenoate		104242-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Carbamic acid, [3-[[[2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethoxy]carbonyl]amino]-4-methylphenyl]-, 2-[[[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl] ester		104267-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-Nonacosafluorohexadec-1-ene		104564-28-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and silicones, dimethyl, methyl 3-(1,1,2,2-tetrafluoroethoxy)propyl, methyl 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-		104780-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroethyl vinyl ether		10493-43-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with ethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		105656-63-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-Iodo-1,1,2,2-tetrafluoropropyl trifluorovinyl ether		106108-22-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

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1-1-Difluoro(trifluoroethenyl)oxymethyl-1,2,2,2-tetrafluoroethoxy-1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propane polymer with tetrafluoroethene and 1,1,2,2-tetrafluoro-3-iodo-1-(trifluoroethenyl)oxypropane		106108-23-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl 2,3,3,3-tetrafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)propanoate		106394-03-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)-, sodium salt		106394-04-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-3-iodopropoxy)propoxy]propanoate		106394-05-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,3,5,2,4,6-Triazatriphosphorine,2,2,4,4,6,6-hexahydrotris(2,2,3,3,4,4,5,5-octafluoropentyl)oxy]tris(2,2,3,3,3-pentafluoropropoxy)-(9CI)		106796-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, polymer with 2-(diethylamino)ethyl 2-methyl-2-propenoate, 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, acetate		1071022-26-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, block		107221-31-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene, ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		107810-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-[2-(gamma.-omega.-perfluoro-C4-20-alkyl)thio]acetyl] derivs., inner salts		1078715-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with (2-bromo-1,1,2,2-tetrafluoroethoxy)trifluoroethene, 1,1-difluoroethene and tetrafluoroethene		108144-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl N,N-dibutyl-beta-alaninate		108196-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorohexanesulfonate		108427-53-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Cyclotetrasiloxane, 2,4,6,8-tetramethyl-2-[3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl]-, Si-[3-(2-oxiranylethoxy)propyl] derivs.		1005771-59-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Perfluoroalkyl(C4-14)ethyl acrylate-benzyl methacrylate		100932-58-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Acrinathrin		101007-06-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, 2,2,3,3,3-pentafluoro-1-(pentafluoroethyl)-1-(trifluoromethyl)propyl ester, homopolymer		101061-04-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,3,3,4,4,4-Octafluoro-2-(trifluoromethyl)butan-2-yl 2-methylprop-2-enoate		101061-05-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-[(trifluoroethenyl)oxy]-, homopolymer		101182-89-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1012783-71-9 (name too long)		1012783-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, acrylates		101316-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium perfluorobutanesulfinate		102061-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

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Triethoxy(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silane		102390-98-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 2-hydroxyethyl 2-propenoate, .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-methoxypoly(oxy-1,2-ethanediyl) and 3-methyl-3-[[2,2,3,3,3-pentafluoropropoxy)methyl]oxetane polymer with tetrahydrofuran		1092822-31-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4,4'-(2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene)bisbenzamine		1095-78-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(Carboxymethyl)-N-[[3-[[[perfluorooctyl)sulfonyl]amino]propyl]-N,N-bis(2-hydroxy-3-sulfopropyl)ammonium chloride, trisodium		109669-84-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Imidodicarbonyl diamide, N,N',2-tris(6-isocyanatoethyl)-, reaction products with 3-chloro-1,2-propanediol and alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene)		110053-43-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
alpha-[2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctyl)sulfonyl]propylamino]ethyl]-omega-(4-sulfobutoxy)-poly(oxy-1,2-ethanediyl) sodium salt (1:1)		110494-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-[[3-[[[Perfluorooctyl)sulfonyl]propyl]amino]ethyl]-2-propenoate		110570-90-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-[[3-[[[heptafluorooctyl)sulfonyl]propyl]amino]ethyl ester polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl)		110570-91-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-[[3-[[[heptafluorooctyl)sulfonyl]propyl]amino]ethyl ester polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		110570-92-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
5,5'-(2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene)-bis(1,3-isobenzofurandione)		1107-00-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
An acrylate-perfluoroalkyl copolymer surfactant (3M Co.) (Fluorad FC 430)		11114-17-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-((trifluoroethyl)oxy)-, polymer with tetrafluoroethene		111173-25-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(1Z)-1-Chloro-2,3,3,3-tetrafluoroprop-1-ene		111512-60-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Tetraconazole		112281-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro(2-[(1-propoxypropan-2-yl)oxy]propanoyl) fluoride		112820-37-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Oxetane, 2,2,3,3-tetrafluoro-, homopolymer, fluorinated		113114-19-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Sodium 1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonate		1132933-86-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro(2-ethoxyethanesulfonic acid)		113507-82-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(2-Carboxyethyl)-N,N-dimethyl-3-[[perfluoro-1-oxodecyl]amino]propanaminium		113933-98-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Hexafluoroacetone-trifluoroethene-vinylidene fluoride copolymer		114502-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-(1H,1H-Perfluoropropyl)-1,3-dioxolan-2-one		114810-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Octafluorocyclobutane		115-25-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																

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Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl		115340-95-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, polymer with 2-hydroxyethyl 2-methyl-2-propenoate, $\alpha$ -(1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl) and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, sodium salt		1158951-86-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Copolymer of chlorotrifluoroethylene-tetrafluoroethylene-perfluoro(propoxyethylene)(the number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, fat-soluble solvent, usual solvent, acid and alkali)		116018-07-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Tetrafluoroethylene		116-14-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Hexafluoropropene		116-15-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-Ethyl-N-(perfluoro-1-oxoheptyl)-glycine sodium salt		116537-74-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4,4'-[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bis-benzoic acid		1171-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium 1,1,2,2-tetrafluoro-2-(pentafluoroethoxy)ethane-1-sulfonate		117205-07-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-[5-(Polyfluorophenyl)-4,5-dihydro-3-heteromonocycle]substituted-ethyl		1173693-36-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,4,4-octafluoro-4-(fluorosulfonyl)butoxy]propanoyl fluoride		117516-16-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Lithium perfluoroheptanesulfonate		117806-54-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Copolymer of octadecyl acrylate / chloroethene / docosyl acrylate / 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate / N-(hydroxymethyl)acrylamide		1187311-64-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro(methyl vinyl ether)		1187-93-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1,2,2,3,3,4,4-Nonafluorononane		1190430-21-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Acetic acid, 2,2-difluoro-2-[[2,2,4,5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]-, ammonium salt (1:1)		1190931-27-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,2-Difluoro-2-[[2,2,4,5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetic acid		1190931-41-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Flupoxam		119126-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(2-Carboxyethyl)-3-[(perfluoro-1-oxononyl)amino]-N,N-dimethyl-1-propanaminium		119131-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(2R,3R)-2,3-Dichloro-1,1,1,2,3,4,4,4-octafluorobutane		119450-81-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-[2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propoxy]prop-1-ene		119511-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyldichloro[3-[2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propoxy]propyl]silane		119511-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1202381-95-0 (name too long)		1202381-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, sodium salt		1206450-10-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-iodo-6-(trifluoromethyl)aniline		1207315-39-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Broflanilide		1207727-04-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly[oxy(1,1,2,2,3,3-hexafluoro-1,3-propanediyl)], .alpha.-(2-carboxy-1,1,2,2-tetrafluoroethyl)-.omega.-(1,1,2,2,3,3,3-heptafluoropropoxy)-		120895-92-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,3,3,4,4,5,5,6,6-Decafluoro-6-[(trifluoroethenyl)oxy]hexanenitrile		120903-40-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Noviflumuron		121451-02-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,5-dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)aniline		121451-05-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Borate(1-), tetrahydro-, sodium (1:1), reaction products with reduced polymd. oxidized tetrafluoroethylene, hydrolyzed, diallyl ethers, polymers with 2,4,6,8-tetramethylcyclotetrasiloxane, Si-(8,13-dioxo-4,7,12-trioxa-9-azapentadec-14-en-1-yl) derivs.		1214752-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N,N'-bis(2-hydroxy-6,6,7,7-tetrafluoro-4-oxaheptyl)tetramethylethylenediaminium chloride		1220100-43-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-3-[3-[3-(propoxy)propoxy]propoxy]propanoyl fluoride		122075-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-3,7,11-trioxatetradecane		122076-00-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,3-Tetramethyl-3,3-bis(1,1,2,2,3,3,6,6,6-nonafuorohexyl)disiloxane		122179-35-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Perfluoroalkyl(C4-14)ethyl acrylate-ethyl methacrylate-polyethylene glycol mono methacrylate copolymer		122304-67-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Phosphoric acid, mixed esters with polyethylene glycol and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol, ammonium salts		1224429-82-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
6,9,12,15-Tetraoxa-2-silaoctadecane, 2,2-dichloro-8,10,10,11,13,13,14,16,16,17,17,18,18,18-tetradecafluoro-8,11,14-tris(trifluoromethyl)-		122734-47-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,2-Dichloro-1,1,2,3,3,4,4-heptafluoro-4-[(1,2,2-trifluoroethenyl)oxy]butane		122857-45-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly(difluoromethylene), .alpha.-(2-(acetyloxy)-3-[(carboxymethyl)dimethylammonio]propyl)-.omega.-fluoro-, inner salt		123171-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Potassium trifluorotris(perfluoroethyl)phosphate		123215-04-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(4a-(cyclohexylmethyl)decahydronaphthalene)		125061-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-(Perfluoro-2-butyl)propane-1,2-diol		125070-38-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propanone, 1,1,1,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene		125128-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
8-(Ethenyloxy)-1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorooctane		125660-00-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediyl)], .alpha.-(1,2,2,2-tetrafluoro-1-(hydroxymethyl)ethyl)-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		126066-30-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethanol, 2,2'-[oxybis(2,1-ethanedilyoxy)]bis-, ethers with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		1260733-08-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Thieno[3,4-b]thiophene, homopolymer, 2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoroethanesulfonic acid-tetrafluoroethylene polymer-doped		1269217-82-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
α-fluoro-ω-(2-hydroxyethyl)poly(difluoromethylene)		126927-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexane, 1,6-diisocyanato-, homopolymer, .alpha.-[1-[[[3-[[3-(dimethylamino)propyl]amino]propyl]amino]carbonyl]-1,2,2,2-tetrafluoroethyl]-.omega.-(1,1,2,2,3,3,3-heptafluoropropoxy)poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanedily)]-blocked		1279108-20-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D														●		
Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanedily)], α-(1,1-difluoro-2-methoxy-2-oxoethyl)-ω-(1,1-difluoro-2-methoxy-2-oxoethoxy)-		130030-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
[(Perfluoroheptanoyl)amino]-3-betaine		130114-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--ammonia (1/1)		13043-05-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,4-Dichloro-2-(1,1,2,3,3,3-hexafluoropropoxy)-5-nitrobenzene		130841-23-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexafluoroacetone sesquihydrate		13098-39-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-chloro-.omega.-(1-chloro-1-fluoroethyl)-		131324-06-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2-methyl-3-oxaocanedioyl fluoride		13140-22-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2,5,8,11,14,17-hexamethyl-3,6,9,12,15,18-hexaaxaheneicosanoyl fluoride		13140-24-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2,5,8,11,14,17,20-heptamethyl-3,6,9,12,15,18,21-heptaaxatetracosanoyl fluoride		13140-25-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2,5,8,11,14,17,20,23-octamethyl-3,6,9,12,15,18,21,24-octaaxaheptacosanoyl fluoride		13140-26-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl perfluoro(2-propoxypropanoate)		13140-34-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Methoxy-2H-perfluoropropane		13171-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Dichlorotetrafluoroethane	ジクロロテトラフルオロエタン	1320-37-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexafluoro-1,3-bis(trifluoromethyl)cyclobutane		13221-71-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2-methyl-3-oxahexanoic acid		13252-13-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●														
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid		13252-14-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2,5,8,11,14-pentamethyl-3,6,9,12,15-pentaaxaocadecanoyl fluoride		13252-15-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Lithium bis[(pentafluoroethyl)sulfonyl]azanide		132843-44-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(((Heptadecafluorooctyl)sulphonyl)propylamino)ethyl methacrylate		13285-40-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1333523-10-6 (name too long)		1333523-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate, acetate		1334473-84-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediy)] .alpha.-[1,2,2,2-tetrafluoro-1-(methoxycarbonyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		134035-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorooctane sulfonamido amine		13417-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1-Propene, 1,1,2,3,3,3-hexafluoro-, dimer		13429-24-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Hexene, undecafluoro(4-sulfoophenoxy)-, sodium salt		134344-15-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,2,3,3,4,4,4-Heptafluorobutyl methacrylate		13695-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1,2,2,3,3,4,4-Nonafluoro-4-[(trifluoroethenyl)oxy]butane		13782-76-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, fluorinated, reduced, 3-[2,4,6,8-tetramethyl-4,6,8-tris[3-(trimethoxysilyl)propyl] cyclotetrasiloxan-2-yl]propyl ethers		1378309-01-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethanesulfonyl fluoride, 2-[1-[difluoro][(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, potassium salts		1378928-76-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethanesulfonyl fluoride, 2-[1-[difluoro][(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed		1378930-04-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propanoic acid, 3-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, methyl ester, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, potassium salts		1378930-30-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Enflurane		13838-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,2,2,3,3-Hexafluoro-1,3-bis((trifluorovinyl)oxy)propane		13846-22-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2H,3H-Decafluoropentane	1,1,1,2,2,3,4,5,5,5-ヘキサフルオロペンタン	138495-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Siloxanes and Silicones, 3-aminopropyl Me, di-Me, Me 3-mercaptopropyl, polymers with stearyl acrylate, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate, rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate and vinyl chloride		1407491-30-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropentadecanoic acid	ヘキサデカフルオロペンタデカン酸	141074-63-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●							●									
2,2,2-tris(Trifluoromethyl)ethanol		14117-17-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Methyl-2-propenoic acid methyl ester, 2,2,3,3,3-pentafluoropropyl 2-methyl-2-propenoate-2,2,3,3-tetrafluoropropyl 2-methyl-2-propenoate copolymer		142033-27-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., fluorinated, reduced, 3-[tris[3-(trimethoxysilyl)propyl]silyl]propyl ethers		1422364-27-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,5,6-Trichloro-2,2,3,4,4,5,6,6-octafluorohexanoyl chloride		1422-98-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-(1,1,2,2-Tetrafluoroethoxy)propene		1428-33-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
143336-91-8 (name too long)		143336-91-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-N,N,N',N'-tetrakis(heptafluoropropyl)-1,6-hexanediamine		143356-32-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.',.alpha.',.alpha."',.alpha."''-(oxydi-3,1,2-propanetriyl)tetrakis[.omega.-((heptadecafluorononyl)oxy)]-		143907-02-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Triphenylsulfonium perfluoro-1-butanesulfonic acid		144317-44-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●														
4,5-Dichloroperfluoro-3-oxapentanesulfonyl fluoride		144728-59-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-1-(2-iodoethoxy)-2-propoxypropane		144938-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(2-(2-propoxypropoxy)-1H,1H-propan-1-ol)		14548-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Butyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoate		145510-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1-(2-bromo-1,1,2,2-tetrafluoroethoxy)-1,2,2-trifluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		145724-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,3-Tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propoxy)propan-1-ol		14620-81-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediyl)], .alpha.-{(1,1-difluoro-2-hydroxyethyl)-.omega.-{(1,1-difluoro-2-hydroxyethoxy)}		146222-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(((Heptadecafluorooctyl)sulfonyl)methylamino)ethyl methacrylate		14650-24-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Siloxanes and Silicones, di-Me, butyl- and 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl group-terminated, polymers with 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethylacrylate and iso-Bu methacrylate		146632-08-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Thionyl chloride, reaction products with ammonia and polymd. oxidized 1,1,2,3,3,3-hexafluoro-1-propene hydrolyzed high-boiling fraction non-aqueous phase		147129-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Butyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		147224-18-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,2,3-Propanetricarboxylic acid, 1-sulfo-, C,C,C-tris[1-[(2,2,3,3,3-pentafluoropropoxy)methyl]propyl] ester, sodium salt (1:1)		1472634-24-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-{Methyl[(nonafluorobutyl)sulfonyl]amino}ethyl phosphate		147545-41-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4,4'-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)diphenol, Bisphenol AF		1478-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-(Perfluoroethyl)propanol		148043-73-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl esters		148240-79-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Bis(3-(perfluoroethyl)-1-(9-bromononyl)propyl) thioether		148757-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, C12-18-alkyl esters, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and vinylidene chloride		148878-17-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroheptanedioic acid		14919-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4-(Methyl((nonafluorobutyl)sulfonyl)amino)butyl prop-2-enoate		1492-87-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3-Dichloro-1,1,1,2-tetrafluoropropane		149329-25-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
6:2 Fluorotelomer thioether propanoic acid		149339-57-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4(perfluorooctyl)-2-butanol		149868-74-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, ethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		149935-01-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3:2 Fluorotelomer iodide		1513-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
151402-74-3 (name too long)		151402-74-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexafluoro-2-methyl-2-propanol		1515-14-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(E)-Perfluoro-2-butene		1516-64-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-Chloro-1,1,1,2-tetrafluoropropane		151771-09-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
152286-23-2 (name too long)		152286-23-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Oxirane, methyl-, polymer with oxirane, mono(2-methyl-2-propenoate), octyl ether, polymer with alpha-fluoro-omega-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanedyl)] (9CI)		152286-25-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Allyl perfluoroisopropyl ether		15242-17-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymer with chloroethene and .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		152521-12-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, hexadecyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and octadecyl 2-propenoate		152521-13-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Bis(perfluoroethanesulfonyl)imide		152894-10-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1H,1H,2H-Perfluorocyclopentane		15290-77-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Magnesium, chloro-2-propen-1-yl-, reaction products with Me esters of fluorinated reduced polymd. oxidized tetrafluoroethylene and trimethoxysilane		1538576-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(Difluoroiodomethyl)-1,1,1,2,3,3,3-heptafluoropropane		1542-18-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Benzoic acid, ethenyl ester, polymer with propanoic acid, 2,2-dimethyl-, ethenyl ester, 1-butanol 4-(ethenyl)-, 1-propene, 2-methyl- and ethene, tetrafluoro-		154532-82-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
7H-Perfluoroheptanoic acid		1546-95-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,4,4,5,5-Heptafluoro-1-pentene		1547-26-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Trichloro(3-(1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy)propyl)silane		15538-93-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, N-(3-isocyanatomethylphenyl)carbamates		1564254-27-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Oxiranemethanol, polymers with reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		156559-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-9-methyldecanoyl fluoride		15720-98-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3,4,4,5,5,6,6,7,8,8,8-Tetradecafluoro-7-(trifluoromethyl)octyl fluoride		15742-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
cis-Perfluoro-2,4-dimethylcyclobutane		1583-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(2R,4R)-1,1,2,3,3,4-Hexafluoro-2,4-bis(trifluoromethyl)cyclobutane		1583-98-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(2-methylpent-2-ene)		1584-03-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene, oxidized		158706-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-5-(trifluoromethyl)hexanoic acid		15899-29-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-6-methylheptanecarboxylic acid		15899-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrafluoro-2-(trifluoromethoxy)-N,N-bis(trifluoromethyl)ethanamine		160228-75-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propanaminium, 3-amino-N-(2-carboxyethyl)-N,N-dimethyl-, N-(δ-omega-perfluoro-β-hydroxy-C12-18-alkyl) derivs., inner salts		160336-10-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Chloroethylene-vinylformic acid-perfluoroalkyl(ethyl) copolymer		160476-36-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,5,7,7-Tetrachloro-2,2,3,4,4,5,6,6,7-nonafluoroheptanoic acid		16069-78-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymers with 2-[[[(heptadecafluoroethyl)sulfonyl]amino]ethyl methacrylate N-C1-3-alkyl derivs.		160709-33-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Iodoperfluoroalkane(C5-14)		160738-69-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(4-methyl-3,6-dioxaoct-7-ene)sulfonyl fluoride		16090-14-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium, di(perfluoroalkyl(C4-18))sulfonatobutanedioic acid		160994-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
161075-00-9 (Name Too Long)		161075-00-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated		161075-02-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, hydrolysed		161075-03-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters		161075-12-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexafluoropropene, oxidized, oligomers, reduced and hydrolyzed		161075-14-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl(C4-23) iodide		161075-23-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Alanine, 2-methyl-N-(1-oxo-2-propenyl)-, perfluoro-.omega.-[(perfluoro-C1-8-alkyl)oxy]-C3-12-alkyl esters		161075-35-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Alcohols, C12-26-secondary, .gamma.-.omega.-perfluoro, ethoxylated (2-Perfluoroalkyl(C9-23)-1-methylethyl polyoxyethylene ether)		161075-39-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,3-Dioxole, 2,2,4-trifluoro-5-(trifluoromethoxy) polymer with tetrafluoroethene		161611-79-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoropropyl trifluorovinyl ether		1623-05-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, ethoxylated		162492-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Alcohols, C8-14, perfluoro, reaction products with di-Me, Me hydrogen siloxanes and polyethylene glycol mono-Me ether Basic information		162567-79-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, butyl ester, reaction product with poly(oxy-1,2-ethanediy), .alpha.-methyl-.omega.-hydroxy-, and N-ethyl-N-2-hydroxyethyl perfluorooctane sulfonamide		162568-17-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1627515-87-0 (name too long)		1627515-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hexanenitrile, 2,2,3,3,4,4,5,5,6,6-decafluoro-6-[(trifluoroethenyl)oxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		163336-49-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-ethylhexyl ester, polymer with 1,1-dichloroethene and .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		163440-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly(difluoromethylene), .alpha.-hydro-.omega.-(2,2-dichloro-2-fluoroethyl)-		163440-89-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethyl perfluorobutyl ether		163702-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluoroisobutyl ethyl ether		163702-06-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluorobutyl methyl ether		163702-07-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluoroisobutyl methyl ether		163702-08-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluoro(2,7-dimethyl-3,6-dioxasuberoyl) fluoride		1644-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(2-propoxypropyl vinyl ether)		1644-11-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hexafluoroisopropylideneimine		1645-75-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomer with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]		1645845-44-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Siloxanes and Silicones, di-Me, polymers with 3-[(2-aminoethyl)amino]propyl silsesquioxanes, hydroxy-terminated, reaction products with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonyl fluoride		1645848-42-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,1-difluoroethene, ethyl 2-propenoate and 1,1,2,3,3,3-hexafluoro-1-propene		1646594-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly[oxy(1,1,2,2-tetrafluoro-1,2-ethanediy)], alpha-(2,2,2-trifluoroacetyl)-omega-[(2,2,2-trifluoroacetyl)oxy]-		1646599-55-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,2,2,3,3,4,5,5-Octafluoro-4-(trifluoromethyl)-Cyclopentanecarbonyl fluoride		1646599-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
2,3,3,3-tetrafluoropropanamide		1647-57-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-9-(trifluoromethyl)decanoic acid		16486-94-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorooctadecanoic acid		16517-11-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Propane, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethoxy)oxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethane		165178-32-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorooctanesulfonamide ammonium iodide		1652-63-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1,1,3-Trichloro-1,2,2,3,3-pentafluoropropane		1652-81-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(2H-Perfluoroethyl)(1H,1H,3H-perfluoropropyl)ether		16627-68-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Iodo-1H,1H,2H,2H-perfluoroheptane		1682-31-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,3,3,3-Tetrafluoro-2-(perfluoroethoxy)propanoyl fluoride		1682-78-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethoxy)oxy]-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, lithium salts		1687740-67-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Perfluorooctylsulfanyl-N-ethylaminoethyl alcohol		1691-99-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Cyclohexanemethanol, 4-(ethenoxy)methyl-, polymer with chlorotrifluoroethene, (ethenoxy)cyclohexane, .alpha.-4-(ethenoxy)methylcyclohexylmethyl-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and ethoxyethene		170442-59-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methanol, reaction products with 1,1,1,2,2,3,4,4,5,5,6,6,7,7,7-tetradecafluoro-3-heptene		1708962-18-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methanol, reaction products with 1,1,1,2,2,3,4,4,5,5,6,6,7,7,7-tetradecafluoro-2-heptene		1708962-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Isoprene-Chlorotrifluoroethylene copolymer		172018-29-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ammonium perfluorononanesulfonate		17202-41-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Tetrafluoroethylene-Formaldehyde copolymer		172074-62-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Chlorotrifluoroethylene-Vinylmethyldiethoxysilane copolymer		172074-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Vinyl chloride-2,2,3,3-Tetrafluoropropyl acrylate copolymer		172074-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptafluorodecyl ester, polymer with 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propane sulfonic acid and 2,2,2-trifluoroethyl 2-propenoate		172083-53-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-Heptafluorooctanesulfonamidobenzenesulfonic acid sodium salt		172398-80-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(Difluoromethylene)-4,4,5-trifluoro-5-(trifluoromethyl)-1,3-dioxolane		17256-52-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
6-H-Perfluorohexanoic acid		1726-50-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methyl 2,2,3,3,4,4-hexafluoro-4-iodobutanoate		17308-98-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
2-Propenoic acid, 2-(ethyl((nonafluorobutyl)sulfonyl)amino)ethyl ester		17329-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-3,4-dimethylhexane		1735-48-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorindane		1736-47-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-(1,1,2,2-Tetrafluoroethoxy)toluene		1737-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,3,3,3-Hexafluoropropane-2,2-diamine		1737-80-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(1,1,9,9-tetrahydro-2,5-bis(trifluoromethyl)-3,6-dioxo-8-nonen-1-ol)		174082-85-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
174393-72-7 (name too long)		174393-72-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,3,3,3-Hexafluoro-2-(trifluoromethyl)propan-2-yl 2-methylprop-2-enoate		17526-97-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,2,2-Tetrahydroperfluorobutyl acrylate		17527-31-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Benzene, 1,3-diisocyanatomethyl-, polymers with hydrolyzed Me esters of reduced polymd. oxidized tetrafluoroethylene		175449-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(Heptafluorobutanoyl)pivaloylmethane		17587-22-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Chloroheptafluorocyclopentene		1759-63-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionate-O,O')europium		17631-68-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1H,1H-Heptafluorobutyl epoxide		1765-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-N-[(trifluoromethyl)sulfonyl]butanesulfonamide sodium salt		176719-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Siloxanes and Silicones, di-Me, vinyl group-terminated, polymers with 4-bromo-3,3,4,4-tetrafluoro-1-butene, 1,1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene		177473-71-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Propanenitrile, 2,3,3,3-tetrafluoro-2-[1,1,2,2,3,3-hexafluoro-3-[(trifluoroethenyl)oxy]propoxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		177484-43-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-[(Perfluorooctane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium		178094-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
3-[(Perfluoroheptane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-70-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-[(Perfluoropentane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-72-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-[(Perfluorobutane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt		178094-73-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N,N-Dimethyl-3-[[[pentadecafluoroheptyl)sulfonyl]amino]-1-propanamine N-oxide		178094-74-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N,N-dimethyl-3-[(perfluoropentane-1-sulfonyl)amino]propan-1-amine N-oxide		178094-75-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-[(Perfluorobutane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide		178094-76-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Siloxanes and Silicones, Me hydrogen, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl		178233-65-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Erbium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato-β03,β05)-		17978-75-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Praseodymium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato-β03,β05)-		17978-77-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1H,1H,2H,2H-Perfluorohexyl methacrylate		1799-84-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,6-Divinylperfluorohexane		1800-91-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Decafluoro-5-(trifluoromethyl)hexanoyl fluoride		18017-31-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoromethylcyclopentane		1805-22-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
6:2 Fluorotelomer sulfonate barium salt		1807944-82-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,2-Pentafluoropropane	1,1,1,2,2-ペナフルオロプロパン	1814-88-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium tributyl(2-methoxypropyl)phosphonium 4,4'-(1,1,1,3,3,3-hexafluoropropane-2,2-diy)l)diphenolate (1/1/1)		181531-28-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, C1-20-alkyl esters, polymers with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		182700-81-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Butenedioic acid (Z)-, di-C1-20-alkyl esters, polymer with acrylamide N-[(C1-10-alkyloxy)methyl]derivs.,.alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl] poly (difluoromethylene) and vinylchloride		182700-82-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Butenedioic acid (Z)-, di-C1-20-alkyl esters, polymer with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl acrylate and vinyl chloride		182700-83-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, C1-20-alkyl esters, polymers with .alpha.-fluoro-.omega.-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and polyethylene-polypropylene glycol monoacrylate		182700-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenamide, N-[(C1-20-alkyloxy)methyl]derivs., polymers with acrylonitrile,.alpha.-fluoro-.omega.-[2-[(1-oxo-propenyl)oxy]ethyl] poly(difluoromethylene) and polyethylene-polypropylene glycol acrylate C1-20-alkyl ethers		182700-85-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-methyl-, reaction products with benzene-chlorine-sulfur chloride (S2Cl2) reaction products chlorides		182700-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ytterbium(3+) tris[(3Z)-6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-5-oxo-3-octen-3-olate]		18323-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoyl fluoride, polymer with trifluoro(trifluoromethyl)oxirane reaction products with 3-(ethenyldimethylsilyl), N-methylbenzeneamine		185701-88-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)silanetriol		185911-29-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,4-Dibromo-1,1,2,2-tetrafluorobutane		18599-20-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Vinyl(1-bromoperfluoroethane)		18599-22-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
N,N,N',N'',N''',N''''-Hexamethyl-1-(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silane triamine		186599-46-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ammonium hexadecafluorononanoate		1868-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethyl N-ethyl-N-((heptadecafluorooctyl)sulfonyl)glycinate		1869-77-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with 2-propenoic acid and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, sodium salt		1878204-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-N-(perfluoroethyl)sulfonylethanesulfonamide compd. with N,N-diethylethanamine (1:1)		188596-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3,3,4,4,5,5-Heptafluoro-Cyclopentene		1892-03-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-ethylsulfonylglycine, perfluoroalkyl (C5-10), potassium salt		190605-64-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-(Heptafluoroisopropoxy)propyltrimethoxysilane		19116-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl 4-trifluoroethenoxy-2,2,3,3,4,4-hexafluorobutanoate		19190-61-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,2,3,3,4,4,5,5-Octafluoro-5-((trifluoroethenyl)oxy)pentanenitrile		19237-73-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propanol, 2,3,3,3-tetrafluoro-2-[[1,1,2,3,3,3-hexafluoro-2-[[[1,1,2-trifluoro-2-propen-1-yl]oxy]propoxy]-, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[[[1,2,2-trifluoroethenyl]oxy]propane and 1,1,2,2-tetrafluoroethene		192575-94-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,3,4,4,5,5,6,6-Nonafluorohexene		19430-93-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis(4-tert-butylphenyl)iodanium nonafluorobutane-1-sulfonate		194999-85-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●															
Poly[oxy(methyl-1,2-ethanedyl)], α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxy-, polymer with α-fluoro-ω-2-[[1-oxo-2-propenyl]oxy]ethyl]poly(difluoromethylene) and α-(2-methyl-1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanedyl) (9CI)		195158-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-[[Bicyclo[2.2.1]hept-5-en-2-yl)methyl]-1,1,1,3,3,3-hexafluoropropan-2-ol		196314-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,2'-(1,4-Phenylene)bis(hexafluoropropan-2-ol)		1992-15-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Diphosphoric acid, polymers with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		200013-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Dichloro-3-(perfluoro-2-propoxy)propylmethylsilane		20006-68-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
200358-70-9 (name too long)		200358-70-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-Methyl-α,α-bis(trifluoromethyl)benzenemethanol		2010-61-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Sodium perfluoroheptanoate		20109-59-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●															
3,3,4,4,5,5,6,6-Octafluoro-6-iodohex-1-ene		203929-12-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4:2 Fluorotelomer alcohol		2043-47-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H,2H,2H-Perfluorohexyl iodide		2043-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Octadecanamine, reaction products with Et esters of reduced polymd. oxidized tetrafluoroethylene		220207-10-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Tetrabutylphosphonium perfluorobutanesulfonate		220689-12-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●														
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Octadecafluoro-1,9-diiodononane		22116-95-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium perfluorobutanoate		2218-54-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,3-Tetrafluoro-2-(2,3,4,5,6-pentafluorophenoxy)-propanoyl fluoride		22304-57-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propanamine, 3-(triethoxysilyl)-, reaction products with Et esters of reduced polymd. oxidized poly(tetrafluoroethylene)		223557-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N,N',N''-(Phosphinylidynetris(oxyethane-2,1-diyl))tris(N-ethylheptafluorooctane-1-sulphonamide)		2250-98-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1,2,3,3,3-Pentafluoropropene		2252-83-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1H-Heptafluoropropane	1,1,1,2,2,3,3-ヘptaフルオロプロパン	2252-84-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-Butylheptafluoro-N-(2-hydroxyethyl)octanesulphonamide		2263-09-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1H,1H,6H,6H-Perfluorohexane-1,6-diol diacrylate		2264-01-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,3-Bis[4-(ethenoxy)butyl] 2-(perfluorohexyl)ethylpropanedioate		226409-30-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-Propylperfluorooctanesulfonamide		2266-83-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2-Tetrafluorotetrachloropropane	1,1,1,2-テトラフルオロテトラクロロプロパン	2268-46-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ammonium 2,2,3,3,4,4,5,5-octafluorovalerate		22715-45-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium 2,2,3,3-tetrafluoropropionate		22898-01-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate		2353-52-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorooctylsulfonylpropylaminoethyl acrylate		2357-60-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, butyl ester, polymer with ethenyl chloroacetate, ethyl 2-propenoate, 2,2,3,3,4,4,5,5-octafluoropentyl 2-propenoate and 2,2,3,3-tetrafluoropropyl 2-propenoate (9CI)		235775-84-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methylaniline		238098-26-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
241148-23-2 (name too long)		241148-23-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Tris(4-tert-butylphenyl)sulfonium perfluorobutanesulfonate		241806-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Pentadecafluoro-2-iodoheptane		24394-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Heptafluoropropan-2-ol		24427-67-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-Methyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide		24448-09-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
3-chloro-2,2,3,3-tetrafluoropropanoyl chloride		24503-62-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Pentafluoro(1,2,2-trifluoro-2-((trifluorovinyl)oxy)-1-(trifluoromethyl)ethoxy)benzene		24520-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fomblin Y 04		25038-02-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly(ethylene-tetrafluoroethylene)		25038-71-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethene, 1-chloro-1,2,2-trifluoro-, polymer with 1,1,2,2-tetrafluoroethene		25038-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hexafluoropropene tetrafluoroethylene polymer		25067-11-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, dipotassium salt		25088-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Vinyl fluoride-Vinylidene fluoride-Chlorotrifluoroethylene copolymer		25101-38-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Chlorotrifluoroethylene-ethylene polymer		25101-45-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-chloro-1,2,2-trifluoroethene and 1,1-difluoroethene		25101-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Butanol, 4-(ethenoxy)-, polymer with 1,1,2,2-tetrafluoroethene		25120-52-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Vinyl fluoride-Hexafluoropropylene copolymer		25120-58-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		25190-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
N-Methylperfluorooctanesulfonamidoethyl acrylate		25268-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Propane, 1,1,2,2,3,3-hexafluoro-1-[[trifluoroethenyl]oxy]-3-(trifluoromethoxy)-, polymer with 1,1-difluoroethene and tetrafluoroethene		252846-11-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Pentafluoroiodoethane-tetrafluoroethylene telomer		25398-32-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N,N,N-Triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate		25628-08-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●																
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene		25684-76-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Isobutylene-Tetrafluoroethylene copolymer		25684-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(2-(2-phenoxypropoxy)propanoyl) fluoride		25711-77-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(Perfluorocyclohexyl)methyl methacrylate		25965-83-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methanol, telomer with 1,1,2,2-tetrafluoroethene		25971-78-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,2,2,3,3-Heptafluoro-3-[[1,1,1,2,2,3,3-hexafluoro-3-((trifluoroethenyl)oxy)propan-2-yl]oxy]propane		2599-84-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Polymer of tetrafluoroethylene-vinylacetate		26299-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hexafluoropropene oxide trimer		2641-34-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,2,2-trifluoro-2-(trifluoromethoxy)ethene		26425-79-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

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2-(Perfluoropropoxy)-1H,1H-perfluoropropanol		26537-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymer with 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl 2-propenoate		26570-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Oxirane, 2,2,3,3-tetrafluoro-, homopolymer		26591-06-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Decafluorobis(trifluoromethyl)cyclohexane		26637-68-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Tetrafluoroethylene-perfluoro(sulfinoethoxypropoxytrifluoroethylene) copolymer		26654-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-3-[(trifluoroethyl)oxy]propane, polymer with tetrafluoroethene		26655-00-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Benzene, pentafluoro[1,2,2-trifluoro-2-[(trifluoroethyl)oxy]-1-(trifluoromethyl)ethoxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		26658-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(4H-Perfluorobutyl)-2-propanol		2673-15-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroether E4		26738-51-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propanoic acid, ethenyl ester, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		26779-98-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,2,3,4,4,5,5,5-Undecafluoro-3-(1,1,2,2,2-pentafluoroethyl)pentane		2690-05-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, polymer with 1,1,2,2-tetrafluoroethene		27029-05-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Sodium perfluoropentanoate		2706-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoropentanoic acid		2706-90-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoropentanesulfonic acid		2706-91-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Hexafluoropropane	ヘキサフルオロプロパン	27070-61-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2H-Perfluorofluoro-5,8,11,14,17,20,23-heptamethyl-3,6,9,12,15,18,21,24-octaheptacosane		27120-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3,4,4,4-Heptafluoro-N-(2-hydroxy-4-nitrophenyl)butyramide		2712-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1-Dibromo-1,2,2,2-tetrafluoroethane	1,1-ジブロム1,2,2,2-テトラフルオロエタン	27336-23-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, 3-[[2-[(2-aminoethyl)amino]ethyl]amino]propyl hydroxy, hydroxy 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl, hydroxy-terminated, formates (salts)		273737-91-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C3 fraction		274917-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C4 fraction		274917-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C5 fraction		274917-95-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C6 fraction		274917-96-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C7 fraction		274917-97-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C8 fraction		274918-01-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C9 fraction		274918-02-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C10 fraction		274918-03-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C11 fraction		274918-09-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C12 fraction		274918-10-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, tetrafluoro-, oxidized, polymd., reduced, decarboxylated, C13 fraction		274918-12-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,17,18,18,18-Icosafluoro-2,5,8,11,14-pentakis(trifluoromethyl)-3,6,9,12,15-pentaooctadecan-1-ol		27617-34-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,3,4,4,5,5,6,6,6-Nonafluorohexane-1-sulphonyl chloride		27619-88-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoyl fluoride		27639-98-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1-Dichloro-2,3,3,3-tetrafluoroprop-1-ene		2804-55-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium perfluorodecanesulfonate		2806-16-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-(1,1,2,2-Tetrafluoroethoxy)nitrobenzene		28202-32-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis(3,5,6-trichloro-2,2,3,4,4,5,6,6-octafluoro-1-oxohexyl)peroxide		28285-49-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-6-(1,2-dibromoethoxy)hexanenitrile		283593-02-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Chloro-1,1,1,2-tetrafluoroethane	2-加0-1,1,1,2-トリフルオロエタン(別名HCFC-124)	2837-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Vinyl chloride-1,1,5-Trihydroperfluoroamyl acrylate copolymer		28497-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,3-Trihydroperfluoropropyl acrylate-Styrene copolymer		28501-21-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
S-((Perfluoro-7-(methyl)octyl)ethyl)thiomethacrylate		28506-33-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Sevoflurane		28523-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorodimethylcyclobutane		28677-00-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Perfluorocyclohexyl)methanol		28788-68-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propane, 1,1,1,2,2,3,3-heptafluoro-3-[[1,2,2-trifluoroethenyl]oxy]-, polymer with ethene and 1,1,2,2-tetrafluoroethene		29087-71-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(oxy-1,2-ethanediyl), .alpha.-[2-[ethyl[[heptadecafluorooctyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		29117-08-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
2-[2,4-Bis(1,1-dimethylpropyl)phenoxy]-N-[4-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-3-hydroxyphenyl]-Hexanamide		2923-93-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,3,3,3-Tetrafluoro-2-(trifluoromethoxy)propionyl fluoride		2927-83-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Perfluorononanesulfonate potassium		29359-39-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(4-(1,1,1,3,3,3-Hexafluoro-2-hydroxypropan-2-yl)phenyl)-N-(2,2,2-trifluoroethyl)benzenesulfonamide		293754-55-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro(3-oxapent-4-ene)sulfonyl fluoride		29514-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Methyl-3,3,4,4-tetrafluoro-2-butanol		29553-26-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis(2-{ethyl[(perfluorooctyl)sulfonyl]amino}ethyl) hydrogen phosphate		2965-52-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Polymer(ethylene/tetrafluoroethylene/propylene)		29697-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Siloxanes and Silicones, 3-aminopropyl ethoxy, ethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl), polymers with 3-aminopropyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silsesquioxanes, hydrolyzed, formates (salts)		297175-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Copper, [C,C,C,C-tetrakis(pentadecafluoroheptyl)-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-		29763-53-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-Ethoxyperfluoro(2-methylhexane)		297730-93-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Perfluoroecicosyl iodide		29809-34-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorooctadecyl iodide		29809-35-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Vinyl 1H,1H,3H-perfluoropropyl ether		29819-80-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-(N-Ethylperfluorooctanesulfonamido)acetic acid		2991-50-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate		2991-52-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
(6H-Perfluorohexyl)methyl acrylate		2993-85-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-1,2-dimethylcyclobutane		2994-71-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,2-Benzenedicarboxylic acid, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylene]bis-		3016-76-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-2,7-dimethyloctane		3021-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
[3-(Heptadecafluorooctyl)sulfonylamino]propyl dimethylamine N-oxide		30295-51-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-3-ethyl-2,4-dimethyl-2-pentene		30320-26-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro(3-isopropyl-4-methyl-2-pentene)		30320-27-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorobutanesulfonamide		30334-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium perfluoroundecanoate		30377-53-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ammonium bis(N-ethyl-2-perfluorooctylsulfonaminoethyl)phosphate		30381-98-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Copolymer of 1,1-difluoroethylene-perfluoroethylene-chlorotrifluoroethylene (a number-average molecular weight is not less than 1,000 and polymer is insoluble in water, fat-soluble solvent, usual solvent, acid and alkali)		30421-59-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
3,3,4,4,5,5,6,6,7,7,8,8,8- Tridecafluorooctylamine		30556-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, 2,2,2- trifluoro-1-(trifluoromethyl)ethyl ester		3063-94-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorotetradecahydrophenanthrene		306-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1-(Trifluoromethyl)perfluorodecalin		306-92-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Perflunafene		306-94-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Perfluoro-2-methyldecalin		306-95-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Sulfonamides, C4-8-alkane, perfluoro, N- [3-(dimethylamino)propyl], reaction products with acrylic acid (TSCA)		306973-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-1,2-dimethylcyclohexane		306-98-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●							●									
2- Methyl(nonafluorobutyl)sulfonylaminoethyl 2-propenoate telomer with 2- mercaptoethanol		306997-46-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroperhydrofluorene		307-08-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1-chloro-1,1,2,2,3,3,4,4,5,5,6,6- dodecafluorohexane		307-22-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Chloroheptadecafluorooctane		307-33-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorooctane	八フルオロオクタナ	307-34-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D									●								
Perfluorodecane		307-45-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroundecane		307-49-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorodecanesulphonyl fluoride		307-51-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Perfluorododecane		307-59-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorotetradecane		307-62-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H,11H-Eicosfluoro-1-undecanol		307-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorodecanedioic acid		307-78-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propanol, 1-[4-(1- methylpropyl)phenoxy]-3-(2,2,3,3- tetrafluoropropoxy)-		308362-88-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N,N-Diethyl-2H-perfluoropropanamine		309-88-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium perfluorocyclohexyl sulfonate		3107-18-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Disodium 2,2,3,3,4,4,5,5,6,6,7,7- dodecafluoroheptyl phosphate		3107-32-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-3,6-dioxa-4-methyl-7- octenesulfonic acid-tetrafluoroethylene polymer		31175-20-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																

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Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-[1,2,2-trifluoro-2-[(trifluoroethenyl)oxy]-1-(trifluoromethyl)ethoxy]-, sodium salt, polymer with tetrafluoroethene		31176-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorotributylamine		311-89-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, homopolymer		31214-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,2,2-Tetrafluoro-3-(trimethylsilyl)-cyclobutane		312-81-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-Methylperfluorooctanesulfonamide		31506-32-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
N-Butylperfluorooctane-1-sulfonamide		31506-34-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Tetrafluoroethene polymer with trifluoro(pentafluoroethoxy)ethene		31784-04-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with 2,2-dichloro-1,1,1-trifluoroethane and 1,1-difluoroethene (9CI)		321657-92-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis(2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoyl) peroxide		32687-76-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(1,1,1,3,3,3-Hexafluoropropane-2,2-diy)di(4,1-phenylene) dicyanate		32728-27-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Vinyl fluoride-Vinylidene fluoride-Tetrafluoroethylene copolymer		32802-40-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,2-Propanediol, 3-(diethylamino)-, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, propylene glycol and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, 2-ethyl-1-hexanol-blocked, acetates (salts)		328389-90-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymers with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, compds. with triethylamine		328389-91-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
328390-05-2 (name too long)		328390-05-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly[oxy(methyl-1,2-ethanediy)], o-hydro-ω-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-(2-hydroxyethyl)-N-propyl-1-octanesulfonamide- and polypropylene glycol mono-Bu ether-blocked		330678-54-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Tributyl(2-methoxypropyl)phosphonium methyl((nonafluorobutyl)sulfonyl)azanide		332350-90-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Phosphonium, triphenyl(phenylmethyl)-, salt with 1,1,2,2,3,3,4,4,4-nonafluoro-N-methyl-1-butanedisulfonamide (1:1)		332350-93-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-Methyl-1-butanedisulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-, salts with benzene-chlorine-sulfurchloride reaction products		332912-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2H-Perfluoro-5-methyl-3,6-dioxanonane		3330-14-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-3-(1H-perfluoroethoxy)propane		3330-15-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2H-Perfluoro(5,8-dimethyl-3,6,9-trioxadecane)		3330-16-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-2,3-dimethylpentane		335-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

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Perfluoroethylcyclohexane		335-21-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-1,3-diethylcyclohexane		335-23-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-1,3-dimethylcyclohexane		335-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluoro-2-butyltetrahydrofuran		335-36-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D									●									
Perfluorobutanoyl fluoride		335-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,3-Trichloroheptafluorobutane		335-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroheptane	フルオロヘプタン	335-57-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●								●									
1-Iodopentadecafluoroheptane		335-58-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-methyl-, 2-[(methyl((nonafluorobutyl)sulfonyl)amino)ethyl ester, polymer with α-(1-oxo-2-propenyl)-ω-methoxypoly(oxy-1,2-ethanediy) and 2-propenoic acid, graft (9CI)		335593-06-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,8-Diodoperfluorooctane		335-70-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroheptanesulphonyl fluoride		335-71-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1H,1H,7H-Dodecafluoro-1-heptanol		335-99-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorohexanedioic acid		336-08-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorobutanoic anhydride		336-59-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(perfluorobutyl)peroxide		336-64-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Ethoxy-2,2,3,3,3-pentafluoro-1-Propanol		337-28-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,3,4,4-Tetrafluoro-4-iodo-1-butene		33831-83-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluamine		338-83-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorocarbon FC 70		338-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-(2,2,3,3-Tetrafluoropropyl)morpholine		343331-58-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,2,2-Tetrahydroperfluorohexadecyl acrylate		34362-49-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,2,2-Tetrahydroperfluorotetradecyl acrylate		34395-24-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N-Ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)butane-1-sulphonamide		34449-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(N-(Perfluorobutylsulfonyl)-N-methylamino)ethanol		34454-97-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluorobutane-1-sulfonamidoethanol		34454-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N,N-Bis(2-hydroxyethyl)perfluorobutanesulfonamide		34455-00-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
8:3 Fluorotelomer carboxylic acid		34598-33-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D												●						



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
3,3,4,4,5,5-Heptafluoropent-1-ene		355-08-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,3-Dichlorooctafluorobutane		355-20-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,4-Dichloro-1,1,2,2,3,3,4,4-octafluorobutane		355-24-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorobutane		355-25-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1H,1H-Perfluoro-1-pentanol		355-28-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H-Perfluorohexane		355-37-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorohexane		355-42-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1,1,1,2,2,3,3,4,4,5,6,6-Tridecafluoro-5-iodohexane		355-44-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorohexadecyl iodide		355-50-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		35560-16-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H,6H,6H-Perfluoro-1,6-hexanediol		355-74-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H,5H-Perfluoropentanol		355-80-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H,5H-Perfluoropentyl methacrylate		355-93-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3-Dichloro-1,2,2,3,4,4-hexafluoro-cyclobutane		356-19-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl perfluorobutanoate		356-24-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Heptafluorobutyraldehyde ethyl hemiacetal		356-26-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethyl perfluorobutanoate		356-27-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,2,3,3,4,4,5,6,6-Decafluorohexa-1,5-diene		356-35-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Pentafluoropropanoic anhydride		356-42-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis(pentafluoropropionyl) peroxide		356-45-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-2-methyloxane		356-47-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-5-(pentafluoroethyl)oxolane		356-48-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H-Perfluoropropyl acrylate		356-86-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Hexane, 1,6-diisocyanato-, homopolymer, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked		357624-15-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3,3,3-Tetrafluoro-1-methoxy-2-(trifluoromethyl)-1-propene		360-53-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl 3,3,3-trifluoro-2-(trifluoromethyl)propionate		360-54-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorobut-2-ene		360-89-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H,3H-Perfluorobutyl 2-methylacrylate		36405-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Ammonium perfluoro(7-methyloctanoate)		3658-62-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,3-Bis(trifluoromethyl)perfluoropentane		36591-89-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymd., reduced, hydrolyzed, reaction products with ammonia		370097-12-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethanol, 2,2',2''-nitritoltris-, compds. with hydrolyzed reduced polymd. oxidized 1,1,2,3,3,3-hexafluoro-1-propene		370097-18-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) and .alpha.-(1-oxo-2-propenyl)-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]		370100-90-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
7:2 Fluorotelomer dihydrogen phosphate		37013-72-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with methyloxirane polymer with oxiranemono-2-propenoate, tert- Bu 2-ethylhexaneperoxoate-initiated		370873-97-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Pentene, 1,1,1,2,3,4,5,5,5-nonafuoro-4-(trifluoromethyl)-, (Z)-		3709-70-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(E)-Perfluoro(4-methyl-2-pentene)		3709-71-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N-(2-Methylsulfinyl-1,1-dimethyl-ethyl)-N'-{2-methyl-4-(perfluoroisopropyl)phenyl}phthalamide		371771-07-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(perfluorooctyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		37338-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1,1-Dichlorotetrafluoroethane	1,1-ジクロロ1,1,2,2-テトラフルオロエタン	374-07-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,3,4,4,4-Pentafluorobut-1-ene		374-27-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2-bis(Trifluoromethyl)perfluoropropane		374-51-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Undecafluoro(heptafluoropropyl)cyclohexane		374-59-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorobutylcyclohexane		374-60-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, butyl ester, polymer with 2-ethylhexyl-2-propenoate, 2-hydroxyethyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate, 4,4'-azobis[4-cyanopentanoic acid]-initiated		374623-78-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-1,3,5-trimethylcyclohexane		374-76-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,2,2,3,4,4,5,5,6-Decafluoro-3,6-bis(trifluoromethyl)cyclohexane		374-77-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2H-Tricosafluoro-5,8,11,14-tetrakis(trifluoromethyl)-3,6,9,12,15-pentaooxaoctadecane		37486-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Propene, 1,1,2,3,3,3-hexafluoro-, telomer with chlorotrifluoroethene, oxidized, reduced, Et ester		374931-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Heptafluorobutyl iodide		374-98-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Heptafluorobutyronitrile		375-00-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3:1 Fluorotelomer alcohol		375-01-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Heptafluoro-1-methoxypropane		375-03-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA		
Heptafluorobutryl Chloride		375-16-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorobutrylamidine		375-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorobutanoic acid		375-22-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1,1,1,3,4-pentachloro-2,2,3,4,4-pentafluorobutane		375-46-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-1,4-diodobutane		375-50-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Iodoperfluorobutane		375-51-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoropentanoyl fluoride		375-62-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trichloro(1,1,2,2,3,3,4,4-octafluorobutyl)-silane		375-63-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorobutanesulfonyl fluoride		375-72-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1,6-Diodoperfluorohexane		375-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoropentanesulfonyl fluoride		375-81-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluoroheptanoyl fluoride		375-84-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroheptanoic acid		375-85-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●											●					
1-Bromopentadecafluoroheptane		375-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroheptanesulfonic acid		375-92-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluorononane		375-96-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorotridecane		376-03-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(N-Ethylperfluorooctanesulfonamido)ethyl methacrylate		376-14-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1H,1H,9H-Hexadecafluoro-1-nonanol		376-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,3-Dioxole, 4,5-difluoro-2,2-bis(trifluoromethyl)-, polymer with 1,1,2,2-tetrafluoroethene		37626-13-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate		376-34-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Diethyl octafluorohexanedioate		376-50-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Adiponitrile, perfluoro		376-53-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
5H-Octafluoropentanoyl chloride		376-71-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
5H-Octafluoropentanoic acid		376-72-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoropentanedioic acid		376-73-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1H,1H,5H-Perfluoropentyl acrylate		376-84-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hexafluoroamylene glycol		376-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1H,4H-Octafluorobutane		377-36-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Perfluorobutanedioic acid		377-38-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(2E)-4,4,5,5,6,6,6-Heptafluorohex-2-en-1-ol		37759-88-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Diethyl tetrafluorosuccinate		377-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methyl 1H,1H-perfluoropropyl ether		378-16-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,3,3-Tetrafluorocyclobutanemethanol		378-17-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methyl pentafluoropropionate		378-75-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Potassium perfluoropropanoate		378-76-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Sodium perfluoropropanoate		378-77-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Octafluorodipoyl difluoride		37881-62-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-iodo-		378-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Silver perfluorobutanoate		3794-64-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(3-(Perfluorooctyl)sulfonylamino)propyltrimethylammonium chloride		38006-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1,1-Bis(trifluoromethyl)ethene		382-10-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroisobutene		382-21-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,3,3-Pentafluoro-3-methoxy-2-(trifluoromethyl)propane		382-26-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(N-methylmorpholine)		382-28-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,3,3,3-Hexafluoro-2-(methoxymethyl)propane		382-30-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1H,1H,3H-Perfluorobutanol		382-31-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,2,3,3-Hexafluoro-3-methoxypropane		382-34-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methyl 2,3,3,3-tetrafluoropropanoate		382-93-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(N-Butylperfluorooctanesulfonamido)ethyl acrylate		383-07-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Dichloromethyl(3,3,4,4,5,5,6,6,6-nonfluorohexyl)silane		38436-16-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-iodononan-1-ol		38550-44-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Potassium perfluoropentanesulfonate		3872-25-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Praseodymium(3+) (1Z)-2,2,3,3,4,4,4-heptafluoro-1-(4,7,7-trimethyl-3-oxo-2-bicyclo[2.2.1]heptanylidene)butan-1-olate		38832-94-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,3-Bis(1,1,2,2-tetrafluoroethoxy)benzene		3914-19-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methylperfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoic acid		39187-47-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Alcohols, C8-14, .alpha.-.omega.-perfluoro, ethoxylated, propoxylated		391895-07-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Tris(2-(perfluorododecyl)ethyl)phosphate		393098-42-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Tris(2-(perfluorotetradecanyl)ethyl)phosphate		393098-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Chlorodifluoromethane and chloropentafluoroethane mixture		39432-81-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,2,2,3,3,4,4,4-nonafluoro-N-[(trifluoromethyl)sulfonyl]-1-Butanesulfonamide		39847-37-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonyl)imide		39847-39-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Sodium perfluorooctanesulfonate		4021-47-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●						●							●				
Pent-4-en-2-yl perfluoro-2-propoxypropanoate		402570-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,4-Dichloro-1-methylbutyl perfluoro-2-(propoxy)propanoate		402570-10-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,4-Dichloro-perfluoro-1-methylbutyl perfluoro-2-propoxypropanoate		402570-11-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(7-methyl)octanesulfonate potassium salt		40365-28-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(butyltetrahydrofuran)		40464-54-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D										●								
1,1,2,2,3,3-Hexafluoro-1-[(trifluoroethenyl)oxy]-3-(trifluoromethoxy)propane		40573-09-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Benzoic acid, 4-(1,1-dimethylethyl)-, ethenyl ester, polymer with ethene, 4-(ethenyloxy)-1-butanol, 1,1,2,3,3,3-hexafluoro-1-propene and 1,1,2,2-tetrafluoroethene		406207-51-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Heptadecafluoro-N,N-bis(2-hydroxyethyl)octanesulphonamide		40630-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
N-Allylperfluorobutanesulfonamide		40630-65-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(Perfluorocyclohexyl)methyl prop-2-enoate		40677-94-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(1H,1H-Perfluoroethyl)(2H-perfluoroethyl)ether		406-78-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
2:2 Fluorotelomer iodide		40723-80-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,3,3,3-Tetrafluoro-2-(1,1,2,2-tetrafluoro-2-(fluorosulphonyl)ethoxy)propionyl fluoride		4089-57-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
8-Fluorosulfonylperfluoro(2,5-dimethyl-3,6-dioxaoctanyl) fluoride		4089-58-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
[3,3,4,4-Tetrafluoro-4-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]trichlorosilane		413570-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
7H-Perfluoroheptanoyl chloride		41405-35-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(7.alpha.,17.beta.)-17-(acetyloxy)-7-[9-[(4,4,5,5,5-pentafluoropentyl)thio]nonyl]-estr-4-en-3-one		415927-29-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Sodium 2-[(perfluorooctyl)oxy]benzene-1-sulfonate		41674-07-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,9-Hexadecafluoro-8-(trifluoromethyl)nonyl)oxirane		41925-33-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-hydroxyethyl ester, adduct with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (1:1), reaction products with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene		421595-49-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
1,1,1,2-Tetrafluoro-2-chloropropane		421-73-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3-Dichloro-1,1,2,2-tetrafluoropropane		422-00-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-Chloro-1,1,1,2,2-pentafluoropropane		422-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Pentafluoropropionitrile		422-04-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2:1 Fluorotelomer alcohol		422-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3,3-Trichloro-1,1,2,2-tetrafluoropropane		422-54-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1-Chloro-1,1,2,2,3,3-hexafluoropropane		422-55-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,3-Dichloro-1,1,1,2,2-pentafluoropropane	ジクロロヘキサフルオロプロパン(別名:HCFC-225)	422-56-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
3-Chloro-1,1,1,2,2,3-hexafluoropropane		422-57-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropropionyl chloride		422-59-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropropionyl fluoride		422-61-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H-Perfluoro-1,1-propanediol		422-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropropanoic acid		422-64-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Dichloro(methyl)(1,1,2,2-tetrafluoroethyl)silane		422-69-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Bromoheptafluoropropane		422-85-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Chloroheptafluoropropane	ヘptaフルオロプロパン	422-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1,3-Diiodoperfluoropropane		422-91-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Undecafluoro(1,1,1,2,3,3,3-heptafluoropropan-2-yl)cyclohexane		423-02-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Chloro-1,1,2,2,3,3,4,4-octafluorobutane		423-31-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Nonafluoro-1-iodobutane		423-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropropanesulfonic acid		423-41-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ammonium perfluoroundecanoate		4234-23-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Bromoheptafluorooctane		423-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(2-Hydroxyethyl)-N-propylperfluorooctanesulfonamide		4236-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
11:1 Fluorotelomer alcohol		423-65-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate		423-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-[(tridecafluorohexyl)oxy]hexane		424-20-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Diethyl perfluoroglutarate		424-40-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1H,1H-Perfluorobutyl acrylate		424-64-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanenitrile		42532-60-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoromethoxypropionyl fluoride		425-38-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3-Tetrafluoro-1,4-butanediol		425-61-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrafluoro-1-methoxyethane		425-88-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1-Trichloro-2,2,3,3,3-pentafluoropropane	1,1,1-トリクロロ2,2,3,3,3-ペンタフルオロプロパン	4259-43-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Methyl perfluoro-2-[(2,3,3-trichloropropoxy)propoxy]propanoate		426264-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Trichloro(1,1,2,3,3-hexafluoropropyl)silane		426-50-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethyl perfluoropropionate		426-65-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Trifluoro(trifluoromethyl)oxirane		428-59-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexane, 1,6-diisocyanato-, homopolymer, α-fluoro-ω-(hydroxyethyl)poly(difluoromethylene)- and Me Et ketone oxime- and polyethylene glycol mono-Me ether-blocked		428842-38-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,3-Pentafluoropropane		431-31-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3-Tetrafluoropropanenitrile		431-32-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,3,3-Hexafluoropropane	1,1,1,2,3,3-ヘキサフルオロプロパン	431-63-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2H-Perfluoropropane	1,1,1,2,3,3,3-ヘプタフルオロプロパン	431-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Perfluorotrihexylamine		432-08-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)thio]propanoic acid lithium salt		433333-62-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Iodononafluoro-t-butane		4459-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonyl fluoride		446312-61-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-Methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]-oxetane		449177-94-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3-Tetrafluoropropyl methacrylate		45102-52-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1H,1H-Perfluoropropyl methacrylate		45115-53-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1), bis(hydrogen sulfate), diammonium salt		452080-67-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1'-Oxybis(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane)		464-36-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-Methyl-3-[[[(3,3,4,4,5,5,6,6,6-nonafluorohexyl)oxy]methyl]-oxetane		475678-78-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
((Perfluoro-9-methyldecyl)methyl)oxirane		47795-34-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-Propeonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-, polymer with 2-methyloxirane, polymer with oxirane bis(2methyl2propenoate) and 2-methyloxirane polymer with oxirane mono(2methyl-2-propenoate)		479074-93-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(2-Hydroxyethyl)-perfluoro-1-butanedisulfonamide, compd. with 2,2'-iminobis[ethanol] (1:1)		484022-20-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-(Nonafluorobutoxy)butanesulfonic acid ammonium salt		484023-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Hydroxy-3-[(2-hydroxyethyl)((nonafluorobutyl)sulfonyl)amino]propanesulfonic acid monoammonium salt		484023-82-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Hydroxy-3-[ethyl((nonafluorobutyl)sulfonyl)amino]propanesulfonic acid monoammonium salt		484023-83-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorobutane-1-sulfonamidoethanolate ammonium salt		484024-67-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Et esters		502164-17-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro dimethylethylpentane		50285-18-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Perfluoro(3-ethyl-2,3-dimethylpentane)		50285-19-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis((perfluorobutyl)ethyl) 2-[(carboxymethyl)thio]butanedioate lithium salt		503534-33-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3-Dichloro-1,1,2,2,3-pentafluoropropane	1,3-ジクロロ-1,1,2,2,3-ペンタフルオロプロパン (HCFC-225cb)	507-55-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Silver pentafluoropropionate		509-09-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propeonic acid, esters, 2-methyl-, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with butyl 2-propenoate		50937-96-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propanone, 1,1,1,3,3,3-hexafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		51023-51-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorotetradecanedioic acid dihydrazide		5102-53-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
9-[(4,4,5,5,5-Pentafluoropentyl)sulfonyl]nonan-1-ol		511545-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethoxy-1,1,2,2-tetrafluoroethane		512-51-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoromethyldecalin		51294-16-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Butenedioic acid(Z)-, mono(2,2,3,3-tetrafluoropropyl)ester, sodium salt, polymer with ethenylbenzene		51343-70-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro(dibutylmethylamine)		514-03-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(Perfluoro-1-oxononyl)-N-methylglycine sodium salt		51588-53-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediy)]], α-(1-carboxy-1,2,2,2-tetrafluoroethyl)-ω-[tetrafluoro(trifluoromethyl)ethoxy]-		51798-33-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-(Perfluoro(4-ethyl-3,4-dimethylhex-2-en-2-yl)oxy)benzene-1-sulfonyl chloride		51947-19-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis(nonafluorobutyl)phosphinic acid		52299-25-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,3,3,4,4-Pentafluorobutyl methacrylate		52519-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly(oxy-1,2-ethanediyl), o-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-ω-hydroxy-		52550-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-Propylperfluorooctane sulfonamidoethanol polyoxyethylene		52550-45-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Sodium 4-(perfluoro[4-ethyl-3,4-dimethylhex-2-en-2-yl]oxy)benzene-1-sulfonate		52584-45-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(Perfluorobutyl)ethyl acrylate		52591-27-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Potassium p-(2,2,2-trifluoro-1-(p-hydroxyphenyl)-1-(trifluoromethyl)ethyl)phenolate		52870-69-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(Perfluoro-9-methyldecyl)ethyl acrylate		52956-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,3-Dichloro-1,1,1,2-tetrafluoropropane		53063-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,3-Bis(2-(perfluoro-7-methyloctyl)-1-ethylsulfanyl)propan-2-yl {4-methyl-3-[(2-methylaziridine-1-carbonyl)amino]phenyl}carbamate		53122-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,5,7,9,9-Pentachloro-2,2,3,4,4,5,6,6,7,8,8,9-dodecafluorononanoic acid		53281-25-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,5,7,9,11,11-Hexachloro-2,2,3,4,4,5,6,6,7,8,8,9,10,10,11-pentadecafluoroundecanoic acid		53281-37-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Trimethyl-3-((perfluorobutylsulphonyl)amino)propylammonium chloride		53518-00-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-(Perfluorononyl)-1,2-propanediol-1-phosphate		54009-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(1H,1H-Perfluoro-14-methylpentadecyl)oxirane		54009-77-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(1H,1H-Perfluoro-12-methyltridecyl)oxirane		54009-78-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Chlorotrifluoro ethylene, ethylene, hexafluoroisobutylene terpolymer		54302-04-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Copolymer of ethylene/tetrafluoroethylene/3,3,3-trifluoro-2-(trifluoromethyl)-1-propene (a number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, lipid soluble solvent, usual solvent, acid and alkali)		54302-05-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(tetrafluoroethylene-co-vinylidene fluoride-co-propylene)		54675-89-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Copolymer of fluoroethene, perfluoroethene and perfluoropropene		54733-33-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2:2 Fluorotelomer alcohol		54949-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,4-Bis((perfluorohexyl)ethyl) sulphonatosuccinate sodium		54950-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroether E-6		55154-18-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1-bromo-1,2,2-trifluoro-, homopolymer		55157-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA		
Morpholine, 2,2,3,3,5,5,6,6-octafluoro-4-(pentafluoroethyl)-		55716-11-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,3,4,4,5,5,6,6,7,7,8,8-dodecafluoro-2-methyloctan-2-ol		55793-32-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,2,2,3,3,4,5,5,6,6-Tridecafluoro-4-(trifluoromethyl)-hexane		558-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-propylglycinate		55910-10-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
[(1,2,3,3,4,4,5,5,6,6,6-Undecafluorohex-1-en-1-yl)oxy]benzene		55937-49-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Octafluorocyclopentene		559-40-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(Perfluorobutryl)-2-thenylmethane		559-94-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethene, 1,1,2,2-tetrafluoro-, polymer with 1,1-difluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		56357-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,3,3,4,4,5,5,6,6-Decafluoro-1-(pentafluoroethyl)piperidine		564-11-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly(oxy-1,2-ethanediyl), α-(tridecafluorohexyl)-ω-hydroxy-		56467-05-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		57570-64-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Potassium 2,3,4,5-tetrachloro-6-(((3-((heptadecafluorooctyl)sulphonyl)oxy)phenyl)amino)carbonyl)benzoate		57589-85-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) hydrogen phosphate		57677-95-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(2-(perfluorododecyl)ethyl) hydrogen phosphate		57677-99-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(Perfluoroethyl)ethanol dihydrogen phosphate bis(2-hydroxyethyl)amine		57678-02-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
12:2 Fluorotelomer dihydrogen phosphate		57678-07-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Benzyl((diethylamino)diphenylphosphonium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzen-1-olate		57705-90-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, esters, 2-methyl-, 2-ethylhexyl ester, polymer with 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl 2-propenoate and oxiranylmethyl 2-methyl-2-propenoate		58180-21-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]-propanoyl fluoride		58194-00-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-[(Heptadecafluorononen-1-yl)oxy]benzoic acid		58253-65-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,3,3,4,4,5,5,6,6,7,7,7-Tridecafluoro-N-(2-hydroxyethyl)heptanamide		58301-28-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,3,4,5,5,5-Hexafluoro-2-methylpentan-2-ol		58380-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2H-Perfluoro-5,8,11,14,17,20,23,26-octamethyl-3,6,9,12,15,18,21,24,27-nonaoxatriacontane		58979-41-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-((Ethyl(pentadecafluoroheptyl)sulfonyl)amino)ethyl acrylate		59071-10-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
3,3'-(1,1,1,3,3,3-Hexafluoropropane-2,2-diyl)bis[6-(methoxycarbonyl)benzoic acid]		59301-66-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4-[(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Heptadecafluoronon-1-en-1-yl)oxy]benzoyl chloride		59432-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2-methylbutane		594-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-[[[4-((Heptadecafluorononyloxy)phenyl)sulfonyl]amino]-N,N,N-trimethyl-1-propanaminium, iodide		59493-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-(3-(4-((Heptadecafluorononyloxy)-benzamido)propyl)-N,N,N-trimethylammonium iodide		59493-72-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium 4-perfluorohexenyloxybenzenesulfonate		59493-84-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
p-Perfluorononyloxybenzenesulfonyl chloride		59536-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium 4-perfluorononyloxybenzenesulphonate		59536-17-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(Perfluorohexadecyl)ethyl 2-methyl-2-propenoate		59778-97-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,19,19,20,22,22,23,23,24,24,24-Nonacosafuoro-5,8,11,14,17,20-hexakis(trifluoromethyl)-3,6,9,12,15,18,21-heptaooxatetracosane		59852-65-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Pentafluoropropionaldehyde methyl hemiacetal		59872-84-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Bis(2,2,3,3,4,4,5,5,6,6,7,7-Dodecafluoroheptyl)sulfosuccinate sodium salt		60131-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Krytox 143		60164-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Potassium perfluoroheptanesulfonate		60270-55-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2,2,3,3,4,4-Hexafluoro-4-iodobutanoyl fluoride		6044-18-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4,5-Dichloro-4,5-difluoro-2,2-bis(trifluoromethyl)-1,3-dioxolane		60644-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium perfluoroundecanoate		60871-96-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, bromotrifluoro-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		60917-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with bromotrifluoroethene, 1,1-difluoroethene		60918-83-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-bromo-1,2,2-trifluoroethene, 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		60918-85-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, polymer with bromotrifluoroethene and tetrafluoroethene		60918-86-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,3-Bis[(6H-perfluorohexyl)methoxy]-2-propanol hydrogen sulfate sodium		61119-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ammonium perfluoroheptanoate		6130-43-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●														
N-Ethylheptadecafluoro-N-(3-(trimethoxysilyl)propyl)octanesulphonamide		61660-12-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
N-(2-Carboxyethyl)-N,N-dimethyl-3-[[[(perfluorohexyl)ethylsulfonyl]amino]propyl]anilinium		61798-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ammonium perfluoro-2-methyl-3-oxahexanoate		62037-80-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●															
1,1,1,3,3,5,5-Octafluoro-2,2,4,4-tetrakis(trifluoromethyl)pentane		62375-54-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(1R,4S)-3-(2,2,3,3,4,4,4-Heptafluoro-1-hydroxybutylidene)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-one		63180-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1H,1H,2H,2H-Perfluorotetradecanol sulfate ammonium salt		63225-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,4-Bis(1H,1H,9H-perfluorononyl)sulfobutane-1,4-diol sodium salt		63367-17-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[[trifluoroethoxy]oxy]propane and tetrafluoroethene		63391-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl 2,2,3,3,4-pentafluoro-4-oxobutanoate		63425-24-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
P-[[4-[(Heptadecafluorononyl-1-yl)oxy]phenyl]methyl]phosphonic acid		63513-12-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Copolymer of hexafluoropropene, perfluoro(ethoxyethene) and tetrafluoroethene		63654-40-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Hexafluoropropene, 1-((trifluoroethoxy)oxy)heptafluoropropane, tetrafluoroethene polymer		63654-41-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Pentene, 1,1,1,3,4,5,5-octafluoro-2,4-bis(trifluoromethyl)-		63703-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl perfluoro(3-(1-ethoxypropyl)oxy)propanoate		63863-43-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propanoic acid, 3-[1-(difluoro((trifluoroethoxy)oxy)methyl)-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, methyl ester, polymer with tetrafluoroethene		63863-44-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Iodoperfluoropentane		638-79-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-(Heptadecafluorooctyl)-1,2,4-trioxolane		63967-43-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1-chloro-1,2,2-trifluoroethene and 1,1,2,2-tetrafluoroethene		64155-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Heptadecafluoro-N-(2-(phosphonoxy)ethyl)-N-propyloctanesulphonamide		64264-44-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethanesulfonamide, N-(2-aminoethyl)-2-[1-(difluoro((1,2,2-trifluoroethoxy)oxy)methyl)-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene		64346-91-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,3,4,4-Tetrafluoro-2-methylbutan-2-yl 2-methylprop-2-enoate		64375-26-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Hexafluorobutyl methacrylate polymer		64376-86-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,8-Dibromo-1,1,2,2-tetrafluoro-Octane		64382-00-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,2,3,3,4,5,5-Heptafluorotetrahydro-4-(1,1,2,2,3,3,4,4,4-nonafluorobutyl)furan		646-85-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D									●								
1,1,1-trifluoro-2-(trifluoromethyl)pent-4-en-2-ol		646-97-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
7H-Perfluoroheptanal		647-44-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4,4,5,5,6,6,6-Heptafluoro-2-iodohexan-1-ol		647-84-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Benzenesulfonic acid, 4-[[nonadecafluorodecyl]oxy]-, sodium salt		64910-98-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		65059-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,4-Dichloro-alpha,alpha-bis(trifluoromethyl)benzenemethanol		65072-48-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanesulfonic acid, 2-[1-[difluoro(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, potassium salt (1:1), polymer with 1,1,2,2-tetrafluoroethene		65086-49-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanesulfonamide, N-butyl-2-[1-[difluoro(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with tetrafluoroethene		65104-43-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(Perfluorooctadecyl)ethyl 2-propenoate		65104-64-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrahydroperfluoroicosyl alcohol		65104-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrahydroperfluoroicosyl methacrylate		65104-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrahydroperfluoro-1-octadecanol		65104-67-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-2,5,8,11,14,17,20,23,26-nonamethyl-3,6,9,12,15,18,21,24,27-nonaoxatriacontan-1-oyl fluoride		65150-88-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrahydroperfluorooctadecyl acrylate		65150-93-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediyl)], .alpha.-[1,2,2-tetrafluoro-1-(fluorocarbonyl)ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		65208-35-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1'-(2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene)bis(3,4-dimethylbenzene)		65294-20-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4-[[[3,4,4,4-Tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]benzoic acid		65439-50-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[[2-(trimethylammonio)ethyl]thio]ethyl]-, methyl sulfate		65530-57-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(2-hydroxyethyl)-, ester with 2,15-bis(carboxymethyl)-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,2,15,16-tetracarboxylic acid (6:1)		65530-58-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(2-hydroxyethyl)-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1)		65530-59-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(2-hydroxyethyl)-		65530-60-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonoxy)ethyl]-		65530-61-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.,.alpha.-[phosphinobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoro-		65530-62-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro-.omega.-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (2:1)		65530-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ethanol, 2,2'-iminobis-, compd. with .alpha.,.alpha.-[phosphinobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoropoly(difluoromethylene)] (1:1)		65530-64-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[(1-oxooctadecyl)oxy]ethyl]-		65530-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-		65530-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-[2-[(2-carboxyethyl)thio]ethyl]-.omega.-fluoro-, lithium salt (1:1)		65530-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly(difluoromethylene), .alpha.,.alpha.-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omega.-fluoro-, ammonium salt		65530-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonoxy)ethyl]-, monoammonium salt		65530-71-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonoxy)ethyl]-, diammonium salt		65530-72-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro-.omega.-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (1:1)		65530-74-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly(difluoromethylene), .alpha.-ethenyl-.omega.-fluoro-		65530-75-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.,.omega.-difluoro-		65530-82-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-[2-[(2-carboxyethyl)thio]ethyl]-.omega.-fluoro- (Zonyl 7950)		65530-83-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly(difluoromethylene), .alpha.- (cyclohexylmethyl)-.omega.-hydro-		65530-85-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ether with alpha-fluoro-.omega.-[2-(2-hydroxyethyl)poly(difluoromethylene)] (1:1)		65545-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,3-Tetrafluoro-2-(nonafluorobutoxy)propanoyl fluoride		65566-03-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, N-oxide, polymer with alpha-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and alpha-(2-methyl-1-oxo-2-propenyl)-.omega.- (nonylphenoxy)poly(oxy-1,2-ethanediyl)		65605-53-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate		65605-56-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate		65605-57-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		65605-58-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide		65605-59-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamamide		65605-60-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
65605-62-1 (name too long)		65605-62-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with N,N-dimethyl-2-propenamamide, α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and methyl 2-propenoate		65605-65-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, butyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamamide		65605-66-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with butyl 2-propenoate, α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamamide		65605-68-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, methyl ester, polymer with .alpha.-fluoro-.omega.-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene)		65605-69-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]-		65605-70-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with α-fluoro-ω-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), N-(hydroxymethyl)-2-propenamamide and (2,2,2-trifluoroethoxy)ethene		65605-71-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), N-(hydroxymethyl)-2-propenamamide and methyl 2-propenoate		65605-72-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl]-, homopolymer		65605-73-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-oxiranylmethyl ester, polymer with α-fluoro-ω-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene)		65605-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
65636-35-3 (name too long)		65636-35-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptane-1-sulphonyl chloride		65702-23-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-Hexadecafluoro-2-iodo-10-(trifluoromethyl)undecan-1-ol		65726-35-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorocyclohexanecarbonyl fluoride		6588-63-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(Carboxymethyl)-N,N-dimethyl-3-(methyl((perfluorohexyl)ethylsulfonyl)amino)-1-propanaminium		66008-71-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-(2-Carboxyethyl)-N,N-dimethyl-3-[methyl((perfluorohexyl)ethylsulfonyl)amino]-1-propanaminium		66008-72-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
5-Iodoperfluoro-3-oxapentanesulfonyl fluoride		66137-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1-bromo-1,2,2-trifluoro-, telomer with tribromofluoromethane		66143-00-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-((trifluoroethyl)oxy)-, methyl ester, homopolymer, hydrolyzed		661476-43-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-Dibromohexafluoropropane		661-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,2-Dichlorohexafluoropropane	1,2-ジクロロ-1,1,2,3,3,3-ヘキサフルオロプロパン	661-97-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Heptafluorobutyramide		662-50-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-[(Heptadecafluorooctyl)sulfonyl]-N-propylglycine		66551-19-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-(Perfluoroethoxy)perfluoropropane		66840-50-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(Perfluorododecyl)ethylene		67103-05-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate		67118-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●														
Potassium perfluoro(2-(2-propoxypropoxy)propanoate)		67118-57-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Cyclohexanesulfonic acid, decafluoro(pentafluoroethyl)-, potassium salt (1:1)		67584-42-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Potassium N-ethyl-N-((nonafluorobutyl)sulphonyl)glycinate		67584-51-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Potassium N-ethyl-N-((undecafluoropentyl)sulphonyl)glycinate		67584-52-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Perfluoroheptane sulfonamido amine		67584-54-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2-(N-Methylperfluorobutylsulfonamido)ethyl acrylate		67584-55-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2-(Methyl((undecafluoropentyl)sulfonyl)amino)ethyl acrylate		67584-56-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
3-((Perfluoroheptyl)sulfonylamino)-N,N,N-trimethyl-1-propanaminium iodide		67584-58-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2-(N-Methylperfluorobutanesulfonamido)ethyl methacrylate		67584-59-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2-(Methyl((undecafluoropentyl)sulphonyl)amino)ethyl methacrylate		67584-60-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Potassium N-ethyl-N-((pentadecafluoroheptyl)sulphonyl)glycinate		67584-62-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ethyl N-ethyl-N-((nonafluorobutyl)sulfonyl)glycinate		67584-63-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propanol, 1,1,1,3,3,3-hexafluoro-, 2-(4-methylbenzenesulfonate)		67674-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Chloro-1,1,2,2,3-pentafluoropropane		677-55-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,2,3-Hexafluoropropane		677-56-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Heptafluoro-2-iodopropane		677-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanoyl fluoride		677-84-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,2-Dichloro-4-iodoperfluorobutane		678-13-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perflenapent		678-26-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Perfluorooctanedioic acid		678-45-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Tetraethyl 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bisphthalate		67846-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
S-(3-(Ethoxycarbonylaminoethyl)-3-(perfluorohexyl)propyl)sulfurothioate sodium		67846-66-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hexafluoroglutaric chloride		678-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1H,1H,5H,5H-Perfluoro-1,5-pentanediol diacrylate		678-95-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorohexadecanoic acid	フルオロヘキサデカン酸	67905-19-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●								●									
4-[Methyl((nonafluorobutyl)sulfonyl)amino]butyl methacrylate		67906-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-(Methyl((undecafluoropentyl)sulfonyl)amino)butyl methacrylate		67906-40-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Ammonium perfluorodecanesulfonate		67906-42-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
2-Propenoic acid, 2-methyl-, 2-(ethyl((undecafluoropentyl)sulfonyl)amino)ethyl ester		67906-73-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Tetrafluorosuccinyl fluoride		679-13-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(Ethyl((nonafluorobutyl)sulfonyl)amino)ethyl methacrylate		67939-33-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-methyl-, 2-[ethyl((nonafluorobutyl)sulfonyl)amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid		67939-34-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-methyl-, 2-[ethyl((pentafluoroheptyl)sulfonyl)amino]ethyl ester		67939-36-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
N-(3-(Dimethylamino)propyl)heptadecafluorooctanesulphonamide monohydrochloride		67939-88-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
2-(Ethyl((1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl)amino)ethyl dihydrogen phosphate		67939-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(2-(ethyl(nonafluorobutanesulfonyl)amino)ethyl) hydrogen phosphate		67939-91-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(2-(ethyl((perfluoroheptyl)sulfonyl)amino)ethyl) hydrogen phosphate		67939-93-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
N,N',N''-(Phosphoryltris(oxyethylene))tris(N-ethyl-perfluoroheptane-1-sulphonamide)		67939-94-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Trimethyl-3-(((nonafluorobutyl)sulfonyl)amino)propyl ammonium iodide		67939-95-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(Methyl((pentafluoroheptyl)sulfonyl)amino)ethyl methacrylate		67939-96-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Ammonium bis(2-(ethyl((pentafluoroheptyl)sulfonyl)amino)ethyl) phosphate		67939-97-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Diammonium 2-(ethyl((pentafluoroheptyl)sulfonyl)amino)ethyl phosphate		67939-98-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
N-(3-(Dimethylamino)propyl)perfluoroheptanesulfonamide hydrochloride		67940-02-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid potassium salt		67963-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reptoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
N-ethyl-N-[2-(phosphonoxy)ethyl]perfluorooctanesulfonamide diammonium salt		67969-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
3-Chloro-1,1,2,2-tetrafluoropropane	3-クロロ1,1,2,2-テトラフルオロプロパン (別名:HCFC-244)	679-85-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1-Chloro-1,2,2,3,3-pentafluoropropane		679-99-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3,4,4,5,6,6-Decafluoro-5-(trifluoromethyl)hexanoic acid - ethanamine (1:1)		68015-84-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanaminium perfluoro-9-methyldecanoate		68015-85-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-7-(trifluoromethyl)octanoic acid ethanamine		68015-86-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-13-methyltetradecanoic acid compd. with ethanamine		68052-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(Methyl((pentadecafluoroheptyl)sulfonyl)amino)ethyl acrylate		68084-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Perfluoroalkyl (C2-C8)ethyl mercaptan		68140-18-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrahydroperfluoroalkyl (C4-20) mercaptan		68140-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Potassium 2,2,3,3,4,4,5,5,6-nonafluoro-1,6-bis(trifluoromethyl)cyclohexane-1-sulfonate		68156-01-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Potassium decafluoro(trifluoromethyl)cyclohexanesulfonate		68156-07-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1,1,1,2,2,3,3,4,5,5,5-Undecafluoro-4-iodopentane		68158-13-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1-Difluoroethene, hexafluoropropene, 1-((trifluoroethenyl)oxy)heptafluoropropane, tetrafluoroethene polymer		68182-34-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propanesulfonic acid, 2-methyl-, 2-[[1-oxo-3-[(.gamma.-.omega.-perfluoro-C4-16-alkyl)thio]propyl]amino]derivs., sodium salts		68187-47-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1-Propene, 1,1,2,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,2,3,3,3-pentafluoro-1-propene		68214-23-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide		68239-43-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(3-(trimethoxysilyl)propyl)heptane-1-sulphonamide		68239-75-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1-Hexene, 3,3,4,4,5,5,6,6-nonafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		68258-85-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Perfluorononanesulfonyl fluoride		68259-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ammonium perfluoroheptanesulfonate		68259-07-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ammonium perfluoropentanesulfonate		68259-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ammonium perfluorobutanesulfonate		68259-10-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●	●														
Ammonium perfluoropentanoate		68259-11-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorononanesulfonic acid		68259-12-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-N-methyl-1-heptanesulfonamide		68259-14-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68259-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2-Propenoic acid, 2-(ethyl((undecafluoropentyl)sulfonyl)amino)ethyl ester		68298-06-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
N-(Phenylmethyl)perfluorobutanesulfonamide		68298-07-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-(((Perfluorooctyl)sulfonyl){3-((2-hydroxyethyl)(dimethyl)azaniumyl)propyl}amino)-1-propanesulfonate		68298-11-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
N-(Methyl)nonafluorobutanesulfonamide		68298-12-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Undecafluoro-N-methyl-1-pentanesulfonamide		68298-13-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
2-(Butyl((pentadecafluoroheptyl)sulfonyl)amino)ethyl acrylate		68298-60-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
68298-62-4 (name too long)		68298-62-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly[oxy-1,2-ethanediyl], .alpha.-[2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68298-79-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[oxy-1,2-ethanediyl], .alpha.-[2-[ethyl[(perfluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68298-80-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
alpha-(2-(Ethyl((pentadecafluoroheptyl)sulfonyl)amino)ethyl)-omega-hydroxy poly(oxy-1,2-ethanediyl)		68298-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Sodium 2-(((nonafluorobutyl)sulfonylamino)methyl)benzenesulfonate		68299-19-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroicosanoic acid		68310-12-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(perfluoropentyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68310-17-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-[2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl]-.omega.-hydroxy-		68310-18-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-(((Perfluorooctyl)sulfonyl)amino)-N,N,N-trimethylpropanaminium iodide		68310-75-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Hexafluoroacetone		684-16-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																●
1,4-Benzenedicarboxylic acid, esters, dimethyl ester, reaction products with bis(2-hydroxyethyl) terephthalate, ethylene glycol, .alpha.-fluoro-.omega.-(2-hydroxyethyl)poly(difluoromethylene), hexakis(methoxymethyl)melamine and polyethylene glycol		68515-62-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Benzenesulfonyl chloride, 4-(1,1,2,2-tetrafluoroethoxy)-		68516-54-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,3,4,5-Tetrachloro-6-[3-(perfluoroheptyl)sulfonyloxyphenylamino]carbonylbenzoate potassium		68541-01-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Potassium 2,3,4,5-tetrachloro-6-(((3-((undecafluoropentyl)sulfonyloxy)phenyl)amino)carbonyl)benzoate		68541-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Sodium perfluoroheptanesulfinate		68555-66-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium perfluoroctanesulfinate		68555-67-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium N-ethyl-N-((nonafluorobutyl)sulfonyl)glycinate		68555-68-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
N-Ethylundecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide		68555-72-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
N-Ethyl-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide		68555-73-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Undecafluoro-N-(2-hydroxyethyl)-N-methyl-1-pentanesulfonamide		68555-74-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-1-heptanesulfonamide		68555-76-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Perfluorobutane-N-(3-(dimethylamino)propyl)-1-sulfonamide sulfonamido amine		68555-77-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropentane sulfonamido amine		68555-78-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Trimethyl-3-(((pentadecafluoroheptyl)sulphonyl)amino)propylammonium chloride		68555-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Hexafluoro-1,3-butadiene		685-63-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium 6-(((3-(perfluorobutylsulphonyloxy)phenyl)amino)carbonyl)perchlorobenzoate		68568-54-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Perfluorododecyl)ethylsulfonyl chloride		68758-57-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Acetic acid, [1-(difluoro[[trifluoroethenyl]oxy]methyl)-1,2,2,2-tetrafluoroethoxy]difluoro-, potassium salt, polymer with tetrafluoroethene		68805-70-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-Bromo-(1,1,2,2-tetrafluoroethoxy)benzene		68834-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(oxy-1,2-ethanediyl), .alpha.-[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]-.omega.-[[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]oxy]-		68877-38-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(oxy-1,2-ethanediyl), .alpha.-[1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl]-.omega.-methoxy-		68877-51-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, tetrafluoro-, homopolymer, .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, citrate, reaction products with 1,6-diisocyanatohexane		68891-05-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Diaquatetrachloro[μ-(N-ethyl-N-((perfluorooctyl)sulfonyl)glycinato-O1:O1')]-μ-hydroxybis[2-methylpropanol]dichromium		68891-96-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Diaquatetrachloro(μ-(N-ethyl-N-((pentadecafluoroheptyl)sulfonyl)glycinato-O1:O1'))-μ-hydroxybis(2-propanol)chromium		68891-97-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Diaquatetrachloro(μ-(N-ethyl-N-((perfluoropentyl)sulfonyl)glycinato-O1:O1'))-μ-hydroxybis(2-propanol)dichromium		68891-99-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Diaquatetrachloro(μ-(N-ethyl-N-((perfluorobutyl)sulfonyl)glycinato-O1:O1'))-μ-hydroxybis(2-propanol)dichromium		68900-97-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
N-Ethyl-N-((nonafluorobutyl)sulfonyl)glycine		68957-33-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-((Perfluoropentyl)sulfonyl)amino)-N,N,N-trimethylpropanaminium chloride		68957-55-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Trimethyl-3-(((undecafluoropentyl)sulphonyl)amino)propylammonium iodide		68957-57-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
N-(3-(Dimethylamino)propyl)-1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonamide monohydrochlorid		68957-59-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
N-[3-(dimethylamino)propyl]-perfluoropentanesulfonamide hydrochloride		68957-60-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
N-Ethylpentadecafluoro-1-heptanesulfonamide		68957-62-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly(oxy-1,2-ethanediyl), .alpha.-[2-ethyl[(perfluoroheptyl)sulfonyl]amino]ethyl]-.omega.-methoxy-		68958-60-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Poly(oxy-1,2-ethanediyl), .alpha.-[2-ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]-.omega.-methoxy-		68958-61-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Benzenemethanaminium, N-(carboxymethyl)-4-[[heptadecafluorononyloxy]-N,N-dimethyl-, inner salt		68972-29-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-Methyl-4-((4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl)oxy)-N-(2-(phosphonoxy)ethyl)-Benzenesulfonamide		69013-34-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,3,3,3-Hexafluoropropane	1,1,1,3,3,3-ヘキサフルオロプロパン	690-39-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Propanoic acid, 3-[1-[difluoro[[trifluoroethenyl]oxy]methyl]-1,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, sodium salt, polymer with tetrafluoroethene		69068-23-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro-3-[[1-(ethenyl)oxy]propan-2-yl]oxy]propanoic acid		69087-46-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propanoic acid, 3-[1-[difluoro[[trifluoroethenyl]oxy]methyl]-1,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, polymer with tetrafluoroethene		69087-47-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorononane sulfonamido ammonium iodide		69091-20-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl perfluoro-3-[[perfluoro-3-oxopropan-2-yl]oxy]propanoate		69116-72-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl perfluoro(8-(fluoroformyl)-5-methyl-4,7-dioxanonanoate)		69116-73-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-(6H-Perfluorohexyl)-1-(fluoren-2-yl)-N-(perfluorobutyl)sulfonyloxymethanimine		691358-66-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fatty acids, C7-13, perfluoro, compds. with ethylamine		69278-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[[trifluoroethenyl]oxy]-, sodium salt, polymer with tetrafluoroethene		69531-49-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2-Bis[4-(4-nitrophenoxy)phenyl]hexafluoropropane		69563-87-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4,4'-[[[2,2,2-Trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis-benzenamine		69563-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Tetrafluoroethane beta-sultone		697-18-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3,5,6,6,8,9,9-Decafluoro-5-(trifluoromethyl)-4,7-dioxo-8-nonenamide		69804-18-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(3-(1-(ethenyl)oxy)propan-2-yl)oxy]propanenitrile		69804-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-[[trifluoroethenyl]oxy]-		69818-05-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorosuccinic anhydride		699-30-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Vinyloxyperfluoropropane		6996-01-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd.		69991-61-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced		69991-62-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Perfluoropolymethylisopropyl ether		69991-67-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1-[Difluoro(trifluoromethoxy)methoxy]-1,2,2-trifluoroethene		700874-87-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(2-hydroxyethyl)ammonium perfluorooctanesulfonic acid		70225-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●					●							●	●				
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate		70225-15-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate		70225-17-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate		70225-18-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(trimethyl-3-(((pentadecafluoroheptyl)sulphonyl)amino)propylammonium) sulphate		70225-20-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Bis(trimethyl-3-(((nonafluorobutyl)sulphonyl)amino)propylammonium)sulphate		70225-22-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,3,4,4,5,5-Hexafluorooxolan-2-one		702-35-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Potassium N-(((heptadecafluorooctyl)sulphonyl)-N-methylglycinate		70281-93-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Cyclotetrasiloxane, 2,4,6,8-tetramethyl-, Si-mixed 3-(2-oxiranylethoxy)propyl and 3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl and 2-(trimethoxysilyl)ethyl derivs.		705291-24-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
(Dimethyl(3-((perfluorodecanoyl)amino)propyl)ammonio)acetate		70674-74-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,2-Dichlorohexafluorocyclopentene		706-79-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro(4-[(4-ethyl-3,4-dimethylhex-2-en-2-yl)oxy])benzene-1-sulfonate tributylammonium		70729-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Acetic acid, [1-(difluoro[[trifluoroethenyl]oxy]methyl)-1,2,2,2-tetrafluoroethoxy]difluoro-, polymer with tetrafluoroethene		70776-76-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Propanoic acid, 3-[1-(difluoro[[trifluoroethenyl]oxy]methyl)-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, potassium salt, polymer with tetrafluoroethene		70788-53-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethanesulfonic acid, 2-[1-(difluoro[[trifluoroethenyl]oxy]methyl)-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with tetrafluoroethene		70815-05-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Propan-2-yl heptadecafluorononanoate		70910-41-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly(difluoromethylene), -alpha.-[2-(acetyloxy)-2-[[carboxymethyl]dimethylammonio]ethyl]-.omega.-fluoro-, hydroxide, inner salt		71002-41-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro-2,2,5,5-tetramethylhexane		71076-47-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-[(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Heptadecafluoronon-1-en-1-yl)oxy]benzene-1-sulfonic acid		71212-45-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly(difluoromethylene), -alpha.-fluoro-.omega.-[2-(iodoethyl)-		71215-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Furan, 2,2,3,3,4,4-hexafluorotetrahydro-5-(2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl)-		71302-72-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Perfluoro(7-methyl-1-octanesulfonic acid)		71500-44-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,2-Benzenedicarboxylic acid, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, diethyl ester		71550-47-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
6,11,14,17-Tetraoxa-7-silaicos-1-yn-3-ol, 7,7-dibutyl-13,15,15,16,18,18,19,19,20,20,20-undecafluoro-3-methyl-13,16-bis(trifluoromethyl)-		717825-76-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propanenitrile, 3-[1-(difluoro[(trifluoroethoxy)methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene		71832-66-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
alpha,alpha-Bis(trifluoromethyl)benzyl alcohol		718-64-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, N - [2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]carbamates		721399-20-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-[Methyl[(perfluorododecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-[Methyl[(perfluorotetradecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-07-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-[Methyl[(perfluorohexadecyl)ethylsulfonyl]amino]ethyl 2-propenoate		72276-08-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-(2,4-Di-tert-pentylphenoxy)-3'-hydroxy-4'-[(5H-perfluorovaleryl)amino]hexanilide		72494-14-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,2,3,3,4,4,5,5-Octafluorooctyl pentanoate		72828-80-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Butenedioic acid, mono(2,2,3,3-tetrafluoropropyl) ester, sodium salt, polymer with ethenylbenzene and disodium 2-butenedioate		72845-29-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
72869-27-3 (name too long)		72869-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Butanedioic acid, 2-sulfo-, 1,4-bis(mixed 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl and 2,2,3,3,4,4,5,5-octafluoropentyl) esters, sodium salts		72905-91-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-3,6-dimethyl-1,4-dioxan-2-one		7309-84-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorooctane sulfonamido ammonium bromide		73149-44-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(2-Carboxyethyl)-3-(((perfluoro-7-methyloctyl)2-hydroxypropyl)amino)propyldimethylammonium hydroxide		73353-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-Fluoro-5-oxo-2,4-bis(trifluoromethyl)-1,3-dioxolane-2-carbonyl fluoride		7345-49-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4,4,5-Trifluoro-2,5-bis(trifluoromethyl)-1,3-dioxolane-2-carbonyl fluoride		7385-65-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene		74398-72-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Phosphoric acid, .gamma.-.omega.-perfluoro-C8-16-alkyl esters, compds. with diethanolamine		74499-44-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propane, 1,1,1,2,2,3,3-heptafluoro-3-(((trifluoroethenyl)oxy)-, polymer with 1,1-difluoroethene and tetrafluoroethene		74499-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene, 1,1,2,2-tetrafluoroethene and 3-(1,1,2,2-tetrafluoroethoxy)-1-propene		74499-69-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1-Propene, 3-(1,1,2,2-tetrafluoroethoxy)-, polymer with ethene and 1,1,2,2-tetrafluoroethene		74499-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene, 1,1,1,2,2,3,3-heptafluoro-3-[[trifluoroethenyl]oxy]propane and tetrafluoroethene		74499-71-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1,2,3,3,3-Heptafluoropropan-2-yl 2-methylprop-2-enoate		7459-59-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, 2-[[[(3,5-dimethyl-1H-pyrazol-1-yl)carbonyl]amino]ethyl ester, polymer with chloroethene, octadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate		746622-86-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
BIS-AF-Sodium salt		74938-83-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propanesulfonic acid, 3-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]-, sodium salt		75032-81-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(1H,1H,7H-perfluoroheptyl)-2-sulfohexadecanoate sodium salt		75032-94-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
L-Glutamic acid, N-[[heptadecafluorooctyl)sulfonyl]-, disodium salt		75032-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
{[(Perfluorooctyl)sulfonyl]amino}-3-betaine		75046-16-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Undecafluoriodopentane		75330-20-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, ether with 2,2-dimethyl-1,3-propanediol (2:1)		753501-40-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with .alpha.-hydro.-omega.-hydroxypoly(oxy-1,2-ethanediyl) and 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane		753501-43-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,3,3,3-Tetrafluoropropene		754-12-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1-[difluoro(1,1,2,2,2-pentafluoroethoxy)methoxy]-1,2,2-trifluoro-, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene		754191-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Heptafluoropropyl iodide		754-34-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,4,6,8,9-Pentachloro-2,3,3,4,5,5,6,7,7,8,9,9-dodecafluorononanoic acid		754-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorooctanesulfonamide		754-91-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
5-Chloro-1,1,2,2,3,3,4,4-octafluoropentane		755-21-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl 2,2,3,3-tetrafluoro-3-methoxypropionate		755-73-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Flupropanate		756-09-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1,3,4,4,4-Heptafluoro-3-(trifluoromethyl)butan-2-one		756-12-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-2-methyl-3-pentanone		756-13-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Benzyltriphenylphosphonium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]benzen-1-olate		75768-65-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediyl)], .alpha.-[1,2,2,2-tetrafluoro-1-[[[2-hydroxyethyl]amino]carbonyl]ethyl]-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-		75888-49-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Chloropentafluoroethane	クロロペンタフルオロエタン	76-15-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Perfluoroethane		76-16-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Perflutren		76-19-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
9-H-Perfluorononanoic acid		76-21-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3-Tetrafluoro-1-propanol		76-37-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3-Tetrafluoroacetone		765-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(oxacyclopentane)		773-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorotetrakis(carboxyethoxymethyl)methane tetramethyl ester		773148-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,4,4-Trifluoro-3-(trifluoromethyl)-1,2lambda~6~-oxathietane-2,2-dione		773-15-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl 7,7,8,9,9,9-hexafluorononanoate		77456-15-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-(Chlorosulfonyl)-2,2,3,3-tetrafluoropropanoyl chloride		77545-04-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3-Tetrafluoro-3-(fluorosulfonyl)propanoyl fluoride		77545-05-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(3-[[1-(ethenyl)oxy]propan-2-yl]oxy)propane-1-sulfonyl fluoride		77545-07-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2-Tetrafluoro-2-iodoethyl sulfurofluoridate		77570-00-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl 2,2,3,3-tetrafluoro-3-(methylsulfonyl)propanoate		77705-91-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3-Tetrafluoro-3-(methylsulfonyl)propanoyl fluoride		77705-93-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-(Methylsulfonyl)-perfluoro(1-(ethenyl)oxy)propane		77706-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
[{3-[[((Perfluorononyl)amino)propyl](dimethyl)ammonio]acetate		77958-18-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2,3,3,4,4-Octafluoro-4-iodobutyl sulfurofluoridate		78522-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Trichloro(1,1,2,2,3,3,6,6,6-nonafluorohexyl)silane		78560-47-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Bis(2-(perfluoro-7-methyloctyl)ethyl)hydrogen phosphate		78974-41-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
8:2 Fluorotelomer 9-(trifluoromethyl)-dihydrogen phosphate		78974-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene),alpha-chloro-omega-(2,2-dichloro-1,1,2-trifluoroethyl)-		79070-11-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(difluoromethylene), alpha-fluoro-omega-[2-sulphoethyl]-		80010-37-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Difluoro(1,1,2,2-tetrafluoro-2-iodoethoxy)acetyl fluoride		80016-48-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4,4,5,5,6,6,7,7-Nonafluoro-2-iodoheptan-1-ol		80233-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,3-Benzenedimethanol, .alpha.1,.alpha.1,.alpha.3,.alpha.3-tetrakis(trifluoromethyl)-		802-93-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-Pentacosafuoro-2-iodopentadecan-1-ol		80459-24-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoro(4-ethyl-3,4-dimethylhexane)		80632-82-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,3-Dioxolane, 2-(difluoromethylene)-4,4,5-trifluoro-5-(trifluoromethyl)-, polymer with 1,1-difluoroethene		80879-54-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(2,2,3,3,4,4,5,5-Nonafluoropentyl)oxirane		81190-28-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2-Tetrafluoroethane	1,1,1,2-テトラフルオロエタン	811-97-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1,1,2,2,3,3,4,4,4-Nonafluoro-N-(4-hydroxybutyl)-N-methylbutane-1-sulphonamide		812-94-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,3,3,4,4,5,5,6,6,7,8,8-Tetradecafluoroocta-1,7-diene		812-97-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-Pentacosafuorotetradecan-1-amine		81313-57-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Bis(perfluoroisopropyl)ketone		813-44-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,4,4,5,5,6,6,6-Undecafluoro-2-(trifluoromethyl)-3-hexanone		813-45-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-[Methyl((nonafluorobutyl)sulfonyl)amino]ethyl 2-methyl-2-propenoate, polymer with 1,1-dichloroethene and octadecyl 2-methyl-2-propenoate		819069-74-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl(C4-C14)carbonyl aminopropyl trimethyl ammonium iodide		82030-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N,N-Dimethyl-N-(perfluoroalkyl(C4-14)carbonylamino)propyl)-.alpha.-acetic acid betaine		82030-83-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Surflon S 141 (perfluoroalkylamine oxide)		82030-84-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl(C4-14)carbonyl aminomethoxy polyethylene oxide		82030-85-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium 2-(((perfluorohexyl)ethoxy)carbonylamino)ethylsulfanylsulfonate		82199-07-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(Perfluorohexyl)-1-ethanol 1-(hydrogen sulfate)		82711-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,2,2,3,3-hexafluoropropane-1,3-disulfonyldifluoride		82727-16-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-(1,1,2,2-Tetrafluoroethoxy)-benzenamine		831-75-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2-Bis(3-amino-4-hydroxyphenyl)-hexafluoropropane		83558-87-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(oxy-1,2-ethanediyl), ?-[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]-?-[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]-		83563-58-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(2E)-4,5,5,5-Tetrafluoro-4-(trifluoromethyl)pent-2-en-1-ol		83706-95-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(2E)-4,4,5,5,6,6,7,7-Nonafluorohept-2-en-1-ol		83706-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(2Z)-4,5,5,5-Tetrafluoro-4-(trifluoromethyl)pent-2-en-1-ol		83706-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(oxy-1,2-ethanediyl), ?-methyl-?-[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]-		83731-88-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Potassium 2,2,3,3-tetrafluoro-3-(heptafluoropropoxy)propionate		84100-11-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, 5-(trifluoromethyl)-2-pyridinyl ethers		844491-91-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-(4-Amino-2-hydroxyphenyl)-2,2,3,3,4,4,4-heptafluorobutyramide		847-51-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Heptane, 1,1,1,2,3,3,4,5,5,6,7,7,7-tridecafluoro-2,4,6-tris(trifluoromethyl)-		84808-63-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1,1,2,3,3,3-heptafluoro-2-(trifluoroethoxy)oxypropane and tetrafluoroethene		85177-88-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Potassium perfluorododecanesulfonate		85187-17-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-[[4-[(Heptadecafluorononyloxy)phenyl]sulfonyl]-N-methylglycine sodium salt		85228-95-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium 4-[[4E)-4,6-dimethylhept-4-en-3-yl]oxy]benzene-1-sulfonate		85284-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium 4-(perfluoro(2-methylpent-2-en-3-yl)oxy)benzene-1-sulfonate		85284-17-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-[3-(Methylamino)propyl]perfluorohexanesulfonamide		85520-91-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(2H-Perfluoroethoxy)methylloxirane		85567-21-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanesulfonic acid, 2-[1-(difluoro[(trifluoroethoxy)methyl]-1,2,2,2-tetrafluoroethoxy)-1,1,2,2-tetrafluoro-, sodium salt polymer with tetrafluoroethene		85600-80-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(3-(((Heptadecafluorooctyl)sulphonyl)amino)propyl)trimethylammonium hydroxide		85665-67-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(2-bromoethoxy)ethene		85737-06-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
((Perfluorobutyl)ethyl)trimethoxysilane		85877-79-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propane, 1-[1-(difluoro[(1,2,2-trifluoroethoxy)oxy]methyl)-1,2,2,2-tetrafluoroethoxy]-1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, polymer with 1,1,2,2-tetrafluoroethene		86414-61-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexaflumuron		86479-06-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Boron, trifluoro(tetrahydrofuran)-, (T-4)-, polymer with 2-methylloxirane, 3-methyl-3-[(2,2,3,3,3-pentafluoropropoxy)methyl]oxetane, oxirane and tetrahydrofuran		864910-70-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,2,3,4,4,5,5,5-Undecafluoro-3-(trifluoromethyl)pentane		865-71-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroisononyl iodide		865-77-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,2,3,3,5,6,6,6-Undecafluoro-4,4,5-tris(trifluoromethyl)hexane		86714-23-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,4-bis(3-Chloro-2-hydroxypropyl) 2,5-bis[2-[[[perfluoroctyl)sulfonyl]propylamino]ethyl] 1,2,4,5-benzenetetracarboxylate		86960-56-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propane, 1-[1-(difluoro[(trifluoroethoxy)oxy]methyl)-1,2,2,2-tetrafluoroethoxy]-1,1,2,2,3,3,3-heptafluoro-, polymer with (2-bromo-1,1,2,2-tetrafluoroethoxy)trifluoroethene and 1,1-difluoroethene		86999-93-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,2,3,3,4,4,5,5,6-Nonafluoro-1-(heptafluoropropyl)-6-(trifluoromethyl)piperidine		87042-39-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,2,3,3-Hexafluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)pentane		870778-34-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-dichloro(perfluoro-1-(methoxymethoxy)ethane)		874288-98-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1-(difluoro(trifluoromethoxy)methoxy)-1,2,2-trifluoro-, polymer with 1,1,2,2-tetrafluoroethene		874288-99-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1,2,2-tetrafluoroethene, 1,1,2-trifluoro-2-(1,1,2,2,2-pentafluoroethoxy)ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene		878545-84-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,6-nonafluorohexyl-		882878-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Bis(3-chloro-2,2,3,3-tetrafluoropropionyl) peroxide		88505-66-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Carbonic dichloride, reaction products with reduced ammonia-Me esters of reduced polymd. oxidized tetrafluoroethylene reaction product		88645-28-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced		88645-29-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
26,27,27,27-Tetrafluoro-25-(1,1,1,2,3,3,3-heptafluoro-2-propanyl)-24,26-bis(trifluoromethyl)-2,5,8,11,14,17,20,23-octaoxaheptacos-24-ene		88987-13-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Undecafluoropentyl 2-methylprop-2-enoate		89004-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Difluoro(1,1,2,2-tetrafluoroethoxy)acetyl fluoride		89076-47-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Butanol, (ethenyl)-, polymer with chlorotrifluoroethene and (ethenyl)cyclohexane		89461-13-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethene, 1-chloro-1,2,2-trifluoro-, homopolymer		9002-83-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Polytetrafluoroethylene		9002-84-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
1,1-Difluoroethylene-hexafluoropropene polymer		9011-17-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Copolymer of 2,2,3,3,3-pentafluoropropyl methacrylate/methyl methacrylate/methacrylic acid (The contents of component having molecular weight less than 1,000 is not more than 1 percent)		90267-56-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl acrylate-, copolymer		90451-86-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoro(2-ethoxy-2-fluoroethoxy)acetic acid ammonium salt		908020-52-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 1,1'-[2,2-bis(difluoro[1,1,2,2-tetrafluoro-3-[(1-oxo-2-propen-1-yl)oxy]propoxy)methyl]-1,1,3,3-tetrafluoro-1,3-propanediyl]bis[oxy(2,2,3,3-tetrafluoro-3,1-propanediyl)] ester		912841-29-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2,4,6-Tris(heptafluoropropyl)-1,3,5-triazine		915-76-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Propene, 1,1,2,3,3-pentafluoro-3-(1,1,2,2,3,3,3-heptafluoropropoxy)-		91891-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
4,8-Dioxa-3H-perfluorononanoic acid		919005-14-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2H-Perfluoro-2-propanol		920-66-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-ethoxyethyl 2-propenoate, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl-2-propenoate and oxiranylmethyl 2-methyl-2-propenoate		92265-81-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Phosphoric acid, bis(gamma-mu-perfluoro-C8-14-alkyl) esters, compds. with diethanolamine		92332-25-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Phosphoric acid, mono(gamma-mu-perfluoro-C8-14-alkyl) esters, compds. with diethanolamine		92332-26-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorocyclopropane		931-91-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-2-methyl-2-(pentyloxy)pentane		93200-92-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Copolymer of tetrafluoroethylene/hexafluoropropene/nonafluorobutyl trifluorovinyl ether (a number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, lipid soluble solvent, usual solvent, acid and alkali)		93611-23-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-2-(trifluoromethyl)propanesulfonic acid		93762-09-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium 1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)propanesulfonate		93762-10-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ammonium bis(2-(perfluorododecyl)ethyl) phosphate		93776-22-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis((perfluoro-13-methyltetradecyl)ethyl) hydrogen phosphate		93776-29-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(2-Carboxylatoethyl)-3-((perfluoro-9-methyldecyl)-2-hydroxypropyl)aminopropylidimethylammonium		93777-12-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ammonium bis((perfluorotetradecyl)ethyl) phosphate		93777-13-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethenyl benzoate polymer with 2-butenic acid, ethenyl 2,2-dimethylpropanoate, 4-(ethenyl)-1-butanol, 2-methyl-1-propene and 1,1,2,2-tetrafluoroethene, dihydrogen 1,2,4-benzenetricarboxylate, compd. with N,N-diethylethanamine		938155-33-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Perfluoro-13-methyltetradecyl)ethyl dihydrogen phosphate		93857-42-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
12:2 Fluorotelomer dihydrogen phosphate (ester), diammonium salt		93857-46-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
14:2 Fluorotelomer dihydrogen phosphate diammonium salt		93857-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
16:2 Fluorotelomer phosphate		93857-48-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Diammonium (perfluoro-7-methyloctyl)ethyl phosphate		93857-49-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Diammonium (perfluoro-9-methyldecyl)ethyl phosphate		93857-50-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis((perfluorotetradecyl)ethyl) hydrogen phosphate		93857-53-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis((perfluorohexadecyl)ethyl) hydrogen phosphate		93857-54-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis((perfluoro-9-methyldecyl)ethyl) phosphate		93857-55-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis((perfluoro-11-methyldodecyl)ethyl) hydrogen phosphate		93857-56-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Isooctanesulfonamide, heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-		93894-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Isooctanesulfonamide, heptadecafluoro-N,N-bis(2-hydroxyethyl)-		93894-66-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Isooctanesulfonic acid, heptadecafluoro-, lithium salt		93894-67-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Isooctanesulfonic acid, heptadecafluoro-, potassium salt		93894-68-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Tetradecanoic acid, 1,1'- (methyl(3,3,4,4,5,5,6,6,6- nonafluorohexyl)silylene) ester		94094-26-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Sodium 3-[[3- (dimethylamino)propyl]((perfluorooctyl)sulfonyl)amino]-2-hydroxypropanesulfonate		94133-90-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
3-((Perfluorooctylsulfonyl)-2-hydroxy-3- sulfopropylamino)-N-(2-hydroxyethyl)- N,N-dimethyl-1-propanaminium monosodium hydroxide		94133-91-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
((Perfluorododecyl)methyl)oxirane		94158-66-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
((Perfluorotetradecyl)methyl)oxirane		94158-67-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
((Perfluorohexadecyl)methyl)oxirane		94158-68-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Perfluorooctyl)-2-hydroxypropyl dihydrogen phosphate		94158-69-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-(Perfluorohexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-44-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Diammonium 3-(perfluorohexadecyl)-2- hydroxypropyl dihydrogen phosphate		94200-49-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Diammonium 3-(perfluoro-15- methylhexadecyl)-2-hydroxypropyl dihydrogen phosphate		94200-53-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
14:2 Fluorotelomer dihydrogen phosphate		94200-54-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
16:2 Fluorotelomer dihydrogen phosphate		94200-55-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Perfluoro-9-methyldecyl)ethyl dihydrogen phosphate		94200-56-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
((Perfluoro-11-methyldodecyl)ethyl) dihydrogen phosphate		94200-57-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(1-pentene-2,3,3,4,4,5,5-heptafluoro- co-ethene-co-tetrafluoroethene)		94228-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Z)-Octadec-9-enyl 5-(((2- ((perfluorooctyl)sulfonyl)methylamino)ethoxy)carbonyl)amino)-o-tolyl)carbamate		94313-84-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Silsesquioxanes, 3-aminopropyl 3,3,4,4,5,5,6,6,6-nonafluorohexyl, hydroxy-terminated acetates		943344-69-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(difluoromethylene), -alpha.-fluoro- .omega.-[2-(phosphonoxy)ethyl]-, ammonium salt		95144-12-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with chlorotrifluoroethene, 1,1- difluoroethene and tetrafluoroethene		95325-75-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Methoxyperfluoro(2,5-di(propan-2- yl)oxolane)		957209-18-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl perfluoro-3-(3-methoxypropoxy)- 3H-propanoate		958445-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3-Benzenedicarboxylic acid, 5- [[heptadecafluorononyloxy]-		96210-37-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,3,3,3-Tetrafluoro-2- (heptafluoropropoxy)propyl 2-fluoroprop- 2-enoate		96250-49-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
.alpha.-[2-Hydroxy-3-[[.alpha.- perfluoroisopropyl]poly(degree of polymerization 7- 15)(difluoromethylene)]propyl]-.omega.- methoxy-poly(degree of polymerization 1- 25)(oxyethylene)		96353-69-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Calcium perfluoroundecanoate		97163-17-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
5-([1,1,1,4,5,5,5-Heptafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-4-(trifluoromethyl)pent-2-en-2-yl]oxy)benzene-1,3-dicarboxylic acid		97220-62-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Thiocyanic acid, .gamma.-.omega.-perfluoro-C4-20-alkyl esters		97553-95-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Alkenes, C8-14 alpha-,delta-omega-perfluoro-		97659-47-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Bis(1H,1H,6H-perfluorohexyl)-2-sulfobutaneedioate sodium salt		98151-22-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Butanol, 4-(ethenoxy)-, polymer with 1-chloro-1,2,2-trifluoroethene and ethoxyethene		98728-78-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sodium Perfluoronanesulfonate		98789-57-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sulfonamides, C7-8-alkane, perfluoro, N-methyl-N-[2-[(1-oxo-2-propenyl)oxy]ethyl], polymers with 2-ethoxyethyl acrylate, glycidyl methacrylate and N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride		98999-57-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Propyl perfluorononanoate		99156-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
AFMU		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FKM		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FVMQ		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FPEM		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FFKM		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FMQ		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FZ		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
ETFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PCTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PFA		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PFEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PVDF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
FAA		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PTFE-Fibre		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
POM+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PI+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PAI+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
PA6T/XT+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

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PAG6+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PVDFX		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
ETFEX		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
LCP+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PTFE+LCP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
FMACP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PA6+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PTFE+PA6		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PA612+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PTFE+PA612		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PA+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PTFE+PA		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PBT+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PTFE+PBT		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PET+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PTFE+PET		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PCT+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PTFE+PCT		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
FPAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
MF+PAI+PAK+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
FEP+MF+PAI+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PAK+FEP+MF+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PAI+PAK+FEP+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PAI+MF+PAK+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
FEP+PAI+MF+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PAK+FEP+PAI+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
MF+PAK+FEP+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
MF+PAK+PAI+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
FEP+MF+PAK+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
PAI+FEP+MF+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
PAK+PAI+FEP+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
MF+PAI+FEP+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PAK+MF+PAI+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
FEP+PAK+MF+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PAI+FEP+PAK+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PAK+PAI+MF+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
FEP+PAK+PAI+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
MF+FEP+PAK+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
FEP+PAI+PAK+MF		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
MF+FEP+PAI+PAK		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PAK+MF+FEP+PAI		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PAI+PAK+MF+FEP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PE+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
ECTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA12-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA10T/X+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA12+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA6+PA66+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA6+PA66-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA6T/66+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA6T/66-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA10T/X-I+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PA66+PA6+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PPS+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorosiloxane resin		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PMMA-F		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PE-F		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PC+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
FFKO		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PEI+PTFE		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
1,1,1-Trifluoroethane 1-Iodo-3,5-bis(trifluoromethyl)benzene	1,1,1-トリフルオロエタン 1-イオド-3,5-ビス(トリフルオロメチル)ベンゼン	420-46-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	1-プロペン, 1-クロロ-3,3,3-トリフルオロ-, (1E)-	102687-65-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1H-Indene, 5-[4'-(difluoro(3,4,5-trifluorophenoxy)methyl)-2,3',5'-trifluoro[1,1'-biphenyl]-4-yl]-2,3-dihydro-2-propyl-	1H-インデン, 5-[4'-(ジフルオロ(3,4,5-トリフルオロフェノキシ)メチル)-2,3',5'-トリフルオロ[1,1'-ビフェニル]-4-イル]-2,3-ジヒドロ-2-プロピル-	1357385-67-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,2-Trifluoroethanol	2,2,2-トリフルオロエタノール	75-89-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,2-Trifluoroethyl acrylate	2,2,2-トリフルオロエチルアクリレート	407-47-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2-Dichloro-1,1,1-trifluoroethane	2,2-ジクロロ-1,1,1-トリフルオロエタン (HCFC-123)	306-83-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
2,4,6,8-Tetramethyl-2,4,6,8-tetrakis(3,3,3-trifluoropropyl)cyclotetrasiloxane	2,4,6,8-テトラメチル-2,4,6,8-テトラキス(3,3,3-トリフルオロプロピル)シクロテトラシロキサン	429-67-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,4,6-Trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane	2,4,6-トリメチル-2,4,6-トリ(3,3,3-トリフルオロプロピル)シクロトリシロキサン	2374-14-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Ethoxyethyl 2-(4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenoxy)propionate	2-エトキシエチル 2-(4-(3-クロロ-5-トリフルオロメチル-2-ピリドキシ)フェノキシ)プロピオン酸エステル	87237-48-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Naphthalenecarboxamide, N,N'-(2,5-dichloro-1,4-phenylene)bis(4-(2-chloro-5-(trifluoromethyl)phenyl)azo)-3-hydroxy-	2-ナフthalenecarboxamide, N,N'-(2,5-ジクロロ-1,4-フェニレン)ビス(4-(2-クロロ-5-(トリフルオロメチル)フェニル)アゾ)-3-ヒドロキシ-	52238-92-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-methyl-, 2,2,2-trifluoroethyl ester, homopolymer	2-プロパノ酸, 2-メチル-, 2,2,2-トリフルオロエチルエステル, 均重合体	54802-79-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 2-methyl-, oxiranylmethyl ester, polymers with N-(butoxymethyl)-2-methyl-2-propenamide, N-(hydroxymethyl)-2-methyl-2-propenamide, .delta.-.omega.-perfluoro-C8-14-alkyl acrylate and stearyl acrylate	2-プロパノ酸, 2-メチル-, オキシランメチルエステル, N-(ブトキシメチル)-2-メチル-2-プロペンアミド, N-(ヒドロキシメチル)-2-メチル-2-プロペンアミド, .delta.-.omega.-フルオロ-C8-14-アルキルアクリレートおよびステアerylアクリレートとの重合体	628723-87-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester 2-Propenoic acid, hexafluorobutyl ester	2-プロパノ酸, 3,3,4,4,5,5,6,6,7,7,8,8,8-トリデカフルオロオクチルエステル 2-プロパノ酸, ヘキサフルオロブチルエステル	139322-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-[difluoro(3,4,5-trifluorophenoxy)methyl]-1,3-difluoro-5-[2-fluoro-4-(4-propylphenyl)phenyl]benzene	2-[ジフルオロ(3,4,5-トリフルオロフェノキシ)メチル]-1,3-ジフルオロ-5-[2-フルオロ-4-(4-プロピルフェニル)フェニル]ベンゼン	303186-36-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-Pyridinecarbonitrile, 4-methyl-2,6-bis((4-methylphenyl)amino)-5-((2-(trifluoromethyl)phenyl)azo)-	3-ピリジンカーボニトリル, 4-メチル-2,6-ビス((4-メチルフェニル)アミノ)-5-((2-(トリフルオロメチル)フェニル)アゾ)-	669005-94-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-(difluoro(3,4,5-trifluorophenoxy)methyl)-3,5-difluoro-4'-propyl-1,1'-biphenyl	4-(ジフルオロ(3,4,5-トリフルオロフェノキシ)メチル)-3,5-ジフルオロ-4'-プロピル-1,1'-ビフェニル	303186-20-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-Chloro-alpha,alpha,alpha-trifluorotoluene	4-クロロ-α,α,α-トリフルオロトルエン	98-56-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	●	
Benzamide, 3,3'-((2-chloro-5-methyl-1,4-phenylene)bis(imino(1-acetyl-2-oxo-2,1-ethanediy)azo))bis(4-chloro-N-(2-(4-chlorophenoxy)-5-(trifluoromethyl)phenyl)-	ベンザミド, 3,3'-((2-クロロ-5-メチル-1,4-フェニレン)ビス(イミノ(1-アセチル-2-オキソ-2,1-エタニドイ)アゾ))ビス(4-クロロ-N-(2-(4-クロロフェノキシ)-5-(トリフルオロメチル)フェニル)-	57971-97-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Benzamide, 3,3'-((2-chloro-5-methyl-1,4-phenylene)bis(imino(1-acetyl-2-oxo-2,1-ethanediy)azo))bis(4-chloro-N-(2-(4-chlorophenoxy)-5-(trifluoromethyl)phenyl)-	ベンザミド, 3,3'-((2-クロロ-5-メチル-1,4-フェニレン)ビス(イミノ(1-アセチル-2-オキソ-2,1-エタニドイ)アゾ))ビス(4-クロロ-N-(2-(4-クロロフェノキシ)-5-(トリフルオロメチル)フェニル)-	79953-85-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Benzene, 1,3-bis(trifluoromethyl)-	ベンゼン, 1,3-ビス(トリフルオロメチル)-	402-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Benzene, 1-[(trans,trans)-4'-propyl[1,1'-bicyclohexyl]-4-yl]-4-(trifluoromethoxy)-	ベンゼン, 1-[(トランス,トランス)-4'-プロピル[1,1'-バイシクロヘキシル]-4-イル]-4-(トリフルオロメトキシ)-	133937-72-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bis(1,1,1,5,5,5-Hexafluoropentane-2,4-Dionato-O,O')Nickel	ビス(1,1,1,5,5,5-ヘキサフルオロペンタン-2,4-ジオナート-O,O')ニッケル	14949-69-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D			●															
Chloro-1,1,1-trifluoroethane	クロロ-1,1,1-トリフルオロエタン (別名HCFC-133)	75-88-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
Cyclotetrasiloxane, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptafluoroundecyl)-2,4,6,8-tetramethyl- (9CI)	シクロテトラシロキサン, 2-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-ヘプタフルオロウンデシル)-2,4,6,8-テトラメチル- (9CI)	193425-63-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Ethene, chlorotrifluoro-, polymer with 1,1-difluoroethene		9010-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Lithium trifluoromethanesulphonate		33454-82-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methanesulfonamide, 1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl)-, lithium salt		90076-65-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methanesulfonic acid, 1,1,1-trifluoro-, calcium salt (2:1)		55120-75-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methanesulfonic acid, trifluoro-, compd. with N,N-dioctyl-1-octanamine (1:1)		82052-13-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
N-(2,3-Dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo-2-[[2-(trifluoromethyl)phenyl]azo]butyramide		68134-22-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Pentachlorotrifluoropropan	ペントフルオロトリフルオロプロパン (別名CFC-213)	134237-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, reaction products with benzene, chlorine and sulfur chloride (S2Cl2)		921213-47-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly(oxy-1 ; 2-ethanediy), alpha-methyl-[[4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9-tridecafluoro-2-hydroxyonyl) oxy]-		1227060-33-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[1,4-phenylene(1,1,2,2-tetrafluoro-1,2-ethanediy)]		25669-37-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propanamide, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-N-[3-(4,6,8-tetramethylcyclotetrasiloxan-2-yl)propyl]- (9CI)		173524-60-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propanamide, N-[3-(ethenyldimethylsilyl)phenyl]-2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-N-methyl- (9CI)		185438-14-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propanenitrile, 3,3'-[[4-[[2-bromo-4-nitro-6-(trifluoromethyl)phenyl]azo]phenyl]imino] bis- (9CI)		246871-16-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Propanoyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediy)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine		166242-54-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, di-Me, Me 3,3,3-trifluoropropyl, hydroxy- and vinyl group-terminated		110475-04-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, di-Me, Me 3,3,3-trifluoropropyl, Me vinyl,hydroxy- and vinyl group-terminated		133649-92-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, Me 3,3,3-trifluoropropyl		63148-56-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, ((ethenyldimethylsilyl)oxy)-terminated		68037-88-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, hydroxy-terminated		68607-77-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, Me 3,3,3-trifluoropropyl, Me vinyl, hydroxy-terminated		68952-02-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, Me hydrogen, Me 3,3,3-trifluoropropyl		67923-24-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, Me Ph, Me 3,3,3-trifluoropropyl		1643944-25-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Tetrachlorotrifluoropropane	テトラフルオロトリフルオロプロパン (別名:HCFC-223)	29470-95-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Trans-1,3,3,3-tetrafluoropropene		1645-83-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perfluoroalkyl ethanol and methyl alcohol adducts of toluene diisocyanate.		44305	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and silicones, dimethyl, methylfluoroalkyl (PROVISIONAL).		46641	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Modified ethylene-tetrafluoro ethylene copolymer (PROVISIONAL).		60710	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Disubstituted tetrafluoroalkane.		62625	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Substituted tetrafluoroalkene.		67993	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Disubstituted tetrafluoroalkane.		68101	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl acrylate copolymer latex (PROVISIONAL).		70907	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluoroalkyl betaine (PROVISIONAL).		71217	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated alkyl silane (PROVISIONAL).		71273	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Oxepanone, polymer with n-decanol and heptadecafluorodecanol, reaction product with benzene, diisocyanatomethyl (PROVISIONAL).		73940	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkylsiloxane hydrolyzate (PROVISIONAL).		74465	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl polyether (PROVISIONAL).		82623	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoro elastomer (PROVISIONAL).		87639	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Modified fluoroalkyl urethane (PROVISIONAL).		89419	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoro alkyl siloxane polymer (PROVISIONAL).		91748	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and silicones, dimethyl, methylfluoroalkyl (PROVISIONAL).		99333	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, methyl ester, polymer with poly(difluoromethylene), .omega.-(2-((1-oxo-2-propenyl)oxy)ethyl)- (PROVISIONAL).		100700	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroelastomer (PROVISIONAL).		102659	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkenyltrialkylammonium salt (PROVISIONAL).		103129	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorosiloxane polymer (PROVISIONAL).		104984	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Salt of perfluoro fatty acids (PROVISIONAL).		105590	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated acrylic ester polymer (PROVISIONAL).		107734	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroelastomer (PROVISIONAL).		109649	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorocarbon polymer (PROVISIONAL).		113758	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		114795	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		114831	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated acrylic ester copolymer (PROVISIONAL).		115118	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Reaction product of a fluorinated alcohol, epichlorohydrin, an alkyl glycol and an isocyanate (PROVISIONAL).		115776	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated substituted urethane (PROVISIONAL).		117727	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylacrylate (PROVISIONAL).		118219	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylsulfonamide salt (PROVISIONAL).		118322	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Reaction product of a fluorinated alcohol, epichlorohydrin, a diol and an isocyanate (PROVISIONAL).		118708	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Substituted perfluoroalkenyl ammonium salt (PROVISIONAL).		122453	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Copolymers of fluoroolefin and vinyl ethers (PROVISIONAL).		125601	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Quaternary ammonium perfluoroalkyl carboxylate (PROVISIONAL).		127765	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkyl ethylacrylate oligomer (PROVISIONAL).		128677	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Modified perfluoropolyoxyalkane (PROVISIONAL).		129103	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated phosphate (PROVISIONAL).		131987	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Polyfluoroacetyl chloride (PROVISIONAL).		132957	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropolyamphiphile (PROVISIONAL).		134748	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		135058	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Copolymer of fluoroolefin (PROVISIONAL).		136415	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		137587	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		137667	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroelastomer (PROVISIONAL).		137678	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated acrylic copolymer (PROVISIONAL).		138648	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated polyalkyl alkoxy siloxanes (PROVISIONAL).		142008	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylethyl ester (PROVISIONAL).		144582	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Aromatic fluoroalkyl mixture complex.		146282	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorinated alcohol (PROVISIONAL).		150755	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Aryl phosphonate ester of a perfluoropolyether (PROVISIONAL).		152137	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylethylacrylate copolymer (PROVISIONAL).		152411	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylacrylate copolymer (PROVISIONAL).		153209	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Betaines, dimethyl (polyfluoro-hydro-alkyl) (PROVISIONAL).		153345	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated silane (PROVISIONAL).		155567	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Perfluoroalkylacrylate copolymer (PROVISIONAL).		158022	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroelastomer (PROVISIONAL).		159707	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Modified fluorinated acrylic resin (PROVISIONAL).		160339	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Polyfluoro alkylether (PROVISIONAL).		160680	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroethylene-vinylether copolymer (PROVISIONAL).		163214	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroalkylacrylate copolymer (PROVISIONAL).		164148	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Modified perfluoropolyether salt (PROVISIONAL).		166973	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Copolymer of tetrafluoroethylene and perfluoroalkoxy ethene (PROVISIONAL).		167410	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroalkylethyl amine (PROVISIONAL).		168833	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroalkylethyl ester (PROVISIONAL).		169347	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hydrofluorocarbon ethers (PROVISIONAL).		169698	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroalkylethyl acrylate copolymer (PROVISIONAL).		171790	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoroalkylphosphate ammonium salt (PROVISIONAL).		172851	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly-.beta.-fluoroalkylethyl acrylate and alkyl acrylate (PROVISIONAL).		174993	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Poly-.beta.-fluoroalkylethyl acrylate and polyoxyalkyl methacrylate (PROVISIONAL).		176740	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Siloxane grafted fluoroelastomer.		178008	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Alkyl perfluorinated acryloyl ester (PROVISIONAL).		193578	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Alkenoic acid, polymer with alkyl alkenoate, alkylalkylalkenoate, alkenoic acid and tridecafluoro alkylalkenoate, compds. with alkylaminoalcanol.		194662	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorinated acrylic copolymer (PROVISIONAL).		196704	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroalkyl acrylate copolymer.		199350	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoropolyether modified organosilane (PROVISIONAL).		200818	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		204230	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Hydrofluoroolefin polymer with 1,1-difluoroethene (PROVISIONAL).		205302	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Polyfluoroacyl peroxide (PROVISIONAL).		205313	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Alkylpolycarboxylic acid, derivative, tris(fluorinatedalkoxy)alkyl ester salt.		217095	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorinated organopolysilazane.		218985	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		221637	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Siloxanes and Silicones, alkyl, alkyl propoxy ethyl, methyl octyl, alkyl polyfluorooctyl.		225004	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated acrylate, polymer with alkyloxirane homopolymer monomer with alkanediol mono(2-methyl-2-propenoate), tert-Bu 2-ethylhexaneperoxoate-initiated.		227884	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoropolymer (PROVISIONAL).		230194	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroalkyl methacrylate copolymer.		231255	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroethylene vinyl copolymer (PROVISIONAL).		231642	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		231937	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Polyfluorinated alkyl thiol.		231993	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated ester.		232269	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorosilicone polymer (PROVISIONAL).		234050	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Alkylene diisocyanate homopolymer, reaction product with substituted polyethylene glycol, perfluoroalkyl alcohol, methyl ethyl ketoxime and perfluoroalkylene glycol (PROVISIONAL).		234152	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Copolymer of tetrafluoroethene and perfluorosulfonylvinylether (PROVISIONAL).		234389	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Polyfluorinated alkyl thiol.		234458	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroalkyl acrylate copolymer (PROVISIONAL).		234981	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroalkyl acrylate copolymer (PROVISIONAL).		235586	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroalkylethylmethacrylate copolymer (PROVISIONAL).		235724	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated oligomer alcohol (PROVISIONAL).		236181	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroalkyl acrylate copolymer.		236238	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Polyfluorinated alkyl halide.		236750	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropolyether compound (PROVISIONAL).		238052	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Alkyl methacrylates, polymer with substituted carbonocycle, hydroxymethyl acrylamide and fluorinatedalkyl acrylate (PROVISIONAL).		238096	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroacrylate modified urethane (PROVISIONAL).		238427	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroalkyl methacrylate copolymer.		239191	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluorinated alkylsulfonamidol urethane polymer (PROVISIONAL).		239260	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropolyether ally ether (PROVISIONAL).		240052	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		240392	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluorobutanesulfonamide and polyoxyalkylene containing polyurethane.		241099	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoropolyether methoxysilane (PROVISIONAL).		241271	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Siloxanes and Silicones, aminoalkyl fluorooctyl, hydroxy-terminated salt.		242207	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyperfluoro alkylene glycol, perfluoroalkoxy-and hydroxy alkyl amido perfluoroalkyl terminated (PROVISIONAL).		242467	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		243266	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoro modified, polyether modified, and alkyl modified polymethylsiloxane (PROVISIONAL).		243562	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl substituted siloxanes (PROVISIONAL).		244076	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate copolymer modified with polysiloxanes.		244441	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoropolymeric sulfonic acid (PROVISIONAL).		244781	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl methacrylate copolymer (PROVISIONAL).		245397	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluorinated alkyl thio polyacrylic acid-acrylamide.		245535	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl sulfonamide (PROVISIONAL).		245820	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polymer of perfluoroalkylethylmethacrylate, alkylacrylate, chloroethene, and urethane methacrylate.		245831	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkylated polyamino acid (PROVISIONAL).		246118	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		246287	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated aliphatic isocyanate polymer (PROVISIONAL).		247111	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Tetrafluoro acrylates copolymer with polyoxy methyl derivatives (PROVISIONAL).		248023	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkylethyl methacrylate copolymer, salt (PROVISIONAL).		248192	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl ethylmethacrylate copolymer.		248567	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Partially fluorinated alkyl betaine (PROVISIONAL).		248589	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Modified fluorinated acrylate.		248647	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Partially fluorinated borate ester (PROVISIONAL).		249220	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoro-modified acrylic copolymer.		249311	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate copolymer.		249399	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Diethylene glycol, polymer with diisocyanatoalkane, polyethylene glycol monomethyl ether- and fluorinatedalkanol-blocked (PROVISIONAL).		249559	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoropolymeric sulfonic acid salt (PROVISIONAL).		249640	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroacrylate copolymer (PROVISIONAL).		249720	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5) (PROVISIONAL).		251300	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate co-polymer (PROVISIONAL).		251662	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Fluoroalkyl methacrylate copolymer (PROVISIONAL).		251797	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Urethane polymer modified with perfluoroalkylsulfonamide (PROVISIONAL).		252290	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl sulfonamide derivative.		253884	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		253975	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Alkyl acid fluoride (PROVISIONAL).		254116	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkylsulfonamidoalkyl acrylate, polymer with acrylic acid derivatives (PROVISIONAL).		254456	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluoroalkyl phosphoric acid salt (PROVISIONAL).		254649	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate copolymer.		255653	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated acrylic copolymer (PROVISIONAL).		255700	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated acrylic copolymer (PROVISIONAL).		255846	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Hexafluoropropylene-perfluoro (alkyl vinyl ether)-tetrafluoroethylene copolymer (PROVISIONAL).		255993	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoro modified, polyether modified polyacrylate (PROVISIONAL).		256372	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated copolymer (PROVISIONAL).		256394	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorinated organic peroxide (PROVISIONAL).		256452	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl acrylate copolymer (PROVISIONAL).		256678	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polymer of perfluoroalkylethylacrylate, alkylaminomethacrylate, hydroxyalkylmethacrylate, organic acid salt.		257171	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Phosphoric acid, mixed esters with partially fluorinated alcohol, ammonium salts (PROVISIONAL).		257444	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), amine salts.		257580	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		257911	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Alkane carboxylic acids esters with long chain fatty alcohol and fluorinated alkylsulfonamidoalkyl alcohol (PROVISIONAL).		257922	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoropolyether compound (PROVISIONAL).		257966	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluorinated difunctional acid fluoride (PROVISIONAL).		258072	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluoroalkyl ether.		258174	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkylethyl methacrylate copolymer (PROVISIONAL).		258196	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethylene-tetrafluoroethylene-fluorinated alkene copolymer.		258981	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Copolymer of perfluoroalkylsulfonamidoalkyl acrylate and alkyl acrylate modified fatty acid dimers (PROVISIONAL).		259360	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluorinated alkyl polyamide.		259633	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Perfluoroalkyl substituted alkyl sulfonate.		259655	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluorinated alkyl amine.		260196	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl sulfonamide derivative.		260958	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoroalkyl acrylate (PROVISIONAL).		261428	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Partially fluorinated amphiphilic condensation polymer (PROVISIONAL).		261462	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl methacrylate co-polymer (PROVISIONAL).		261826	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate copolymer modified with polysiloxanes.		262169	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Copolymer of perfluorinated and alkyl methacrylates.		262341	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluorinated alkyl thio polyacrylamide.		262545	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoro modified, polyether modified polyacrylate (PROVISIONAL).		262885	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluorinated alkyl thio polyacrylamide.		263093	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Peffluoroalkylethylmethacrylate copolymer (PROVISIONAL).		263208	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluorinated alkyl quaternary ammonium chloride.		263435	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ammonium salt of fluorinated alkoxyfluoropropanoic acid.		264165	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroethylene-vinylether copolymer (PROVISIONAL).		264621	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl acrylate copolymer (PROVISIONAL).		264687	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated vinyl ether polymer (PROVISIONAL).		264916	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorochemical ester (PROVISIONAL).		264949	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Polyfluoroalkylpropanoic acid ethyl ester (PROVISIONAL).		265453	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated acrylic copolymer (PROVISIONAL).		265599	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Perfluoropolyether modified silane (PROVISIONAL).		266423	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl esters, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluorooctyl methacrylate, 2,2'-[1,2-diazenediylbis(1-methylethylidene)]bis[4,5-dihydro-1H-imidazole]hydrochloride (1:2)-initiated (PROVISIONAL).		267095	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated alkylsulfonamido acrylate copolymer (PROVISIONAL).		267948	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluoroalkyl methacrylate copolymer (PROVISIONAL).		268781	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated sulfonamide alcohol (PROVISIONAL).		268883	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Fluorinated methacrylate monomer (PROVISIONAL).		269079	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Partially fluorinated alcohol substituted glycol (PROVISIONAL).		269400	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, telomers with C18-26-alkyl acrylate, 1-dodecanethiol, N-(hydroxymethyl)-2-methyl-2-propenamide, polyfluorooctyl methacrylate and vinylidene chloride, 2,2'-[1,2-diazenediylbis(1-methylethylidene)]bis[4,5-dihydro-1H-imidazole] hydrochloride (1,2)-initiated (PROVISIONAL).		269604	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Tetrafluoroethylene chlorotrifluoroethylene copolymer (PROVISIONAL).		270598	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroelastomer (PROVISIONAL).		270601	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Modified fluorinated acrylate (PROVISIONAL).		270770	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorinated polyalkyl silicones (PROVISIONAL).		271364	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Urethane polymer modified with perfluoroalkylsulfonamide and polyethoxylate (PROVISIONAL).		271739	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethylene-tetrafluoroethylene copolymer (PROVISIONAL).		272038	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroolefin copolymer (PROVISIONAL).		272458	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroalkyl acrylate copolymer.		272583	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Polyfluorinated alkyl thio acrylamide.		272618	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trifluoroethene polymer with 4-(ethenoxy)-1-butanol, ethene, ethoxy- and olefin ethoxy copolymer (PROVISIONAL).		273611	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorinated alkylsulfonamido polymer (PROVISIONAL).		274136	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorinated polyamine (PROVISIONAL).		274147	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroalkylacrylate co-polymer (PROVISIONAL).		274352	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Modified fluorinated acrylate (PROVISIONAL).		274363	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluoroalkyl acrylate copolymer (PROVISIONAL).		274421	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoropolyether chlorosilane (PROVISIONAL).		274512	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trifluoroethene polymer with, 4-(ethenoxy)-1-butanol, olefin copolymers and amine (PROVISIONAL).		274534	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Partially fluorinated alcohol, reaction products with phosphorus oxide (P2O5), ammonium salts (PROVISIONAL).		274658	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorinated acrylic alkylamino copolymer.		274670	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorinated amine oxide (PROVISIONAL).		275719	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoropolyether-block-polytetrafluoroethylene (PROVISIONAL).		275899	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Fluorinated alkenyl ether (PROVISIONAL).		276052	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Siloxanes and silicones, amino alkyl substituted alkyl hydroxyl, hydroxyl fluorinated alkyl, ester salts, reaction products with mixed metal oxides (PROVISIONAL).		276109	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluoro alkoxy acid fluoride derivative (PROVISIONAL).		276303	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Polyfluoroalkyl phosphoric acid (PROVISIONAL).		276858	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		



5. List of NSK Environmentally Harmful Substances (details)

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Propanol fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediy)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with 2,2,3-trifluoro-3-(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and methylbis[(1-methylethenyloxy)silane.		917979-29-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4-octafluoro-1,4-butanedisulfonate(2-) (2:1).		799274-55-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sulfonium, triphenyl-, 2,2'-oxybis[1,1,2,2-tetrafluoroethanesulfonate] (2:1).		848408-02-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Cyclotetrasiloxane, 2,4,6,8-tetramethyl-2-[3-[2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]propyl]-.		756819-73-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,5-Trisiloxanediol, 1,1,3,5,5-pentamethyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-.		1010387-03-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, Me hydrogen, [[7,9,9,10,12,12,13,13,14,14,14-undecafluoro-1,1-dimethyl-7,10-bis(trifluoromethyl)-5,8,11-trioxa-1-silatetradec-1-yl]oxy]-terminated.		1010423-83-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sulfonium, triphenyl-, salt with 4,4,5,5,6,6-hexafluorodihydro-4H-1,3,2-dithiazine 1,1,3,3-tetraoxide (1:1).		808752-25-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Sulfonium, (4-methylphenyl)diphenyl-, salt with 4,4,5,5,6,6-hexafluorodihydro-4H-1,3,2-dithiazine 1,1,3,3-tetraoxide (1:1).		862261-51-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Borate(1-), tetrahydro-, sodium (1:1), reaction products with reduced polymd. oxidized tetrafluoroethylene, hydrolyzed, diallyl ethers, polymers with 3-[[dimethylsilyloxy]-1,1,3,5,5-pentamethyl-1-[2-(trimethoxysilyl)ethyl]trisiloxane.		1072943-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, di-Me, Bu group- and hydrogen-terminated, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine and 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediy)bis(oxy)]bis[2,3,3,3-tetrafluoropropanoyl fluoride]-2,2,3-trifluoro-3-(trifluoromethyl)oxirane polymer.		1202381-96-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Oxetane, 2,2,3,3-tetrafluoro-, homopolymer, fluorinated, reduced, bis(2,3-dihydroxypropyl) ethers.		1188330-60-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[oxy(methyl-1,2-ethanediy)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene, polyethylene glycol mono-Me ether- and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked.		1304011-35-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[oxy(methyl-1,2-ethanediy)], .alpha.-hydro-.omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), polymer with 1,3-diisocyanatomethylbenzene, polyethylene glycol mono-Me ether- and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol-blocked.		1304012-00-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediy)], .alpha.-[tetrafluoro(trifluoromethyl)ethyl]-.omega.-[1,2,2,2-tetrafluoro-1-[[3-(trimethoxysilyl)propoxy]methyl]ethoxy]-.		211931-77-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Siloxanes and Silicones, di-Me, 3,3,4,4,5,5,6,6-nonafluorohexyl group terminated.		2374700-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1-Pentadecene, 12,12,13,13,14,14,15,15,15-nonafluoro-.		631842-87-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

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Silane, trichloro(12,12,13,13,14,14,15,15,15-nonafluoropentadecyl)-.		2301857-79-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Siloxanes and silicones, Me hydrogen, [[dimethyl[3,3,4,4-tetrafluoro-4-[1,1,2,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]butyl]silyl]oxy]y]-terminated.		166089-96-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediy)]], .alpha., .alpha'-(1,1,2,2-tetrafluoro-1,2-ethanediy)bis[.omega.-(1-carboxy-1,2,2,2-tetrafluoroethoxy)-].		132910-12-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediy)]], .alpha., .alpha'-(1,1,2,2-tetrafluoro-1,2-ethanediy)bis[.omega.-(1,2,2,2-tetrafluoro-1-[(2-propenylamino)carbonyl]ethoxy)-].		162442-49-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, Me hydrogen, ethers with trifluoro(trifluoromethyl)oxirane homopolymer 1,2,2,2-tetrafluoro-1-(hydroxymethyl)ethyl tetrafluoro(trifluoromethyl)ethyl ether.		174393-73-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propanyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediy)bis(oxy)bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, hydrolyzed.		183905-82-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propanyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediy)bis(oxy)bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 2-propen-1-amine.		183905-83-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Silanol, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)dimethyl-		128194-56-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Propanoyl fluoride, 2,2'-[(1,1,2,2-tetrafluoro-1,2-ethanediy)bis(oxy)]bis[2,3,3,3-tetrafluoro-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with N-[3-(triethoxysilyl)propyl]-1,2-ethanediamine.		185701-90-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoro-5,6-dimethyl-4,7-dioxadecane		2501-01-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Perfluoroisooheptyl Iodide		3486-08-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosaflluoroundecanoate		5081-02-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,2,2,3,3,4,4,5,5,6,6,7,7-Tetradecafluoroheptan-1-ol		7098-02-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl ester, telomer with 3-mercapto-1,2-propanediol, 2-methyloxirane polymer with oxirane di-2-propenoate, and 2-methyloxirane polymer with oxirane mono-2-propenoate, tert-Bu 2-ethylhexaneperoxoate-initiated		1017237-78-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Butene, 3,3,4,4,4-pentafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		460314-45-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
PVDF		24937-79-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
PVDF-HFP		NA	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Octanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide		334529-54-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly(oxy-1,2-ethanediy), alpha-phosphono-omega-hydroxy-, ethers with reduced Et esters of fluorinated reduced polymd. oxidized tetrafluoroethylene		2379313-43-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, fluorinated Me esters, reduced		1573124-82-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, 2,3-dihydroxypropyl ethers		925918-64-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

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Polyaddition products of isobenzofuran-1,3-dione / oxolane-2,5-dione / 2-(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-yl)oxirane		1023888-52-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Bis[(trifluoromethyl)sulfonyl]azanide		98837-98-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethenyl)oxy]-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed		1163733-25-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Poly[oxy(methyl-1,2-ethanediyl)], $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxy-, polymers with reduced Me esters of reduced polymd. oxidized tetrafluoroethylene acrylates, tert -Bu 2-ethylhexaneperoxoate-initiated		1259853-34-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate		425664-29-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethenyl)oxy]-, polymer with 1,1,2,2-tetrafluoroethene		69462-70-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 2-(diethylamino)ethyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, acetate		863408-20-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4,4,4-trifluorobutan-2-ol		101054-93-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3,4-Thiadiazol-2-amine, 5-(trifluoromethyl)-		10444-89-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
4-bromo-2-fluoro-1-(trifluoromethoxy)benzene		105529-58-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-[3-Chloro-5-(trifluoromethyl)phenyl]-2,2,2-trifluoroethan-1-one		1125812-58-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
5-Bromo-1,3-difluoro-2-(trifluoromethoxy)benzene		115467-07-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-[[2,2,4-Trifluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]ethanol		1190931-34-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Fluoro-5-(trifluoromethyl)phenol		141483-15-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,5-Bis(trifluoromethyl)benzene-1-diazonium zinc chloride (2/1/4)		14263-91-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Silane, chlorodimethyl(3,3,3-trifluoropropyl)-		1481-41-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Trifluoromethanesulfonic acid		1493-13-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propene, 2-bromo-3,3,3-trifluoro-		1514-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Halothane		151-67-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1,5,5,5-Hexafluoro-2,4-pentanedione		1522-22-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
5-Bromo-1,3-difluoro-2-(trifluoromethyl)benzene		156243-64-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3-Dioxole, 2,2,4-trifluoro-5-(trifluoromethoxy)-		161611-74-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,2,2-Trifluoroethanesulfonyl chloride		1648-99-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,3-difluoro-6-(trifluoromethyl)benzotrile		186517-05-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
Difluoromethyl 2,2,2-trifluoroethyl ether		1885-48-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
((2,2,3,3-Tetrafluoropropoxy)methyl)oxirane		19932-26-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-chloro-3,5-bis(trifluoromethyl)aniline		201593-90-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Cyclopentasiloxane, 2,4,6,8,10-pentamethyl-2,4,6,8,10-pentakis(3,3,3-trifluoropropyl)-		2063-78-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,5-Bis(trifluoromethyl)benzamide		22227-26-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Propen-2-ol, 3,3,3-trifluoro-, 2-acetate		2247-91-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,2-Dichloro-1,1,2-trifluoro-2-(trifluoromethoxy)ethane		2356-53-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
alpha,alpha,alpha-4-Tetrafluoro-m-toluidine		2357-47-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Thallium(III) trifluoroacetate		23586-53-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(2Z)-2,3-dichloro-1,1,1,4,4,4-hexafluorobut-2-ene		2418-22-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl 3,5-di(trifluoromethyl)benzoate radical		26107-80-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-chloro-3,3,3-trifluoroprop-1-ene		2730-62-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Barium trifluoromethanesulphonate		2794-60-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Vinylidene fluoride-trifluoroethylene copolymer		28960-88-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(E)-1,3,3,3-Tetrafluoro-1-propene		29118-24-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Z)-1,3,3,3-Tetrafluoro-1-propene		29118-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Mercury(1+) trifluoroacetate		2923-15-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium trifluoroacetate		2923-16-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Acetic acid, 2,2,2-trifluoro-, lithium salt (1:1)		2923-17-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Sodium trifluoroacetate		2923-18-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methanesulfonic acid, trifluoro-, silver(1+) salt		2923-28-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium trifluoromethanesulfonate		2926-27-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Sodium trifluoromethanesulfinate		2926-29-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Silver trifluoroacetate		2966-50-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Benzenediazonium, 3,5-bis(trifluoromethyl)-		29684-26-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-(3,5-Bis(trifluoromethyl)phenyl)ethan-1-one		30071-93-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Butene, 2,3-dichloro-1,1,1,4,4,4-hexafluoro-		303-04-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,2,3,3,4,5,5-Octafluoropenta-1,4-diene		3109-87-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-bromo-3,3,3-trifluoropropan-1-ol		311-86-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,5-Bis(trifluoromethyl)nitrobenzene		320-88-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3-fluoro-4-chlorobenzotrifluoride		32137-20-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,5-Bis(trifluoromethyl)benzyl bromide		32247-96-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,4-Bis(trifluoromethyl)bromobenzene		327-75-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1-Bromo-3,5-bis(trifluoromethyl)benzene		328-70-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Benzenamine, 3,5-bis(trifluoromethyl)-		328-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
alpha,alpha,alpha,alpha',alpha',alpha'-Hexafluoro-5-nitroxylyene		328-75-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,5-Bis(trifluoromethyl)aniline		328-93-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Benzoyl fluoride, 3-(trifluoromethyl)-		328-99-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methyl trifluoromethanesulfonate		333-27-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Trifluoroacetic acid--ammonia (1/1)		3336-58-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Methanesulfonyl fluoride, trifluoro-		335-05-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,3,3-trifluoro-2-hydroxy-2-methylpropanenitrile		335-08-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
alpha,alpha,alpha,alpha',alpha',alpha'-Hexafluoro-3,5-xyleneol		349-58-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1-Trifluoro-2-iodoethane		353-83-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Acetonitrile, trifluoro-		353-85-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(2S)-1,1,1-Trifluoropropan-2-ol		3539-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Trifluoroacetyl chloride		354-32-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Acetamide, 2,2,2-trifluoro-		354-38-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1-Trichloro-2,2,2-trifluoroethane		354-58-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																
Trifluoromethanesulfonic anhydride		358-23-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,8-Bis(trifluoromethyl)quinolin-4-ol		35853-41-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
tris(2,2,2-trifluoroethyl) phosphate		358-63-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-(Trifluoromethyl)oxirane		359-41-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,3-Dichlorohexafluoro-2-butene		360-86-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,3,3-tetrabromo-1,2,2,3-tetrafluoro-Propane		36567-29-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1-Trifluoroacetylacetone		367-57-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA		
Benzoyl fluoride, 4-(trifluoromethyl)-		368-94-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-Penten-2-one, 1,1,1,5,5,5-hexafluoro-4-methyl-		372-25-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,2-Trifluoroethylamine hydrochloride		373-88-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Propene, 3,3,3-trifluoro-2-methyl-		374-00-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1-Trifluoro-2-propanol		374-01-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-Trifluoromethylpyridine		3796-23-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethyl trifluoroacetate		383-63-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethanethioic acid, trifluoro-, S-ethyl ester		383-64-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Benzene, 1-fluoro-2-(trifluoromethyl)-		392-85-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Silanamine, N-[dimethyl(3,3,3-trifluoropropyl)silyl]-1,1-dimethyl-1-(3,3,3-trifluoropropyl)-		39482-87-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Isopropyl trifluoroacetate		400-38-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
alpha,alpha,alpha,3-Tetrafluorotoluene		401-80-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3,5-Bis(trifluoromethyl)benzaldehyde		401-95-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4-Fluorobenzotrifluoride		402-44-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,3,3-Pentafluorobutane		406-58-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
(2,2,2-Trifluoroethoxy)ethene		406-90-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-(2,2,2-trifluoroethyl)oxirane		407-12-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trifluoroacetic anhydride		407-25-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethanol, 2,2,2-trifluoro-, sodium salt		420-87-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1-Trifluoropropane		421-07-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methanesulphenyl chloride, trifluoro-		421-17-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trifluoroacetone		421-50-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1-Ethanediol, 2,2,2-trifluoro-		421-53-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trifluoromethanesulphonyl chloride		421-83-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trifluoromethylsulfonamide		421-85-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethyl trifluoromethanesulphonate		425-75-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2-Chloro-1,1,2-trifluoro-1-methoxyethane		425-87-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methane, bis(trifluoromethyl)sulfonyl]-		428-76-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Methylsilyldiyne tris(trifluoroacetate)		429-72-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,2-Dichloro-3,3,3-trifluoroprop-1-ene		431-27-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bromotrifluoroacetone		431-35-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethanol, 2,2,2-trifluoro-1-methoxy-		431-46-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Methyl trifluoroacetate		431-47-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Propene, 1,1,2-trichloro-3,3,3-trifluoro-		431-52-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Pentafluoroacetone		431-71-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,4-Bis(trifluoromethyl)benzene		433-19-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethanol, 1-ethoxy-2,2,2-trifluoro-		433-27-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Trifluoromethyl-2,3,4,5,6-pentafluorobenzene		434-64-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Perfluorovinylacetic acid		44969-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
3-chloro-1,1,1-trifluoropropane		460-35-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1,1,1-Trifluoro-3-iodopropane		460-37-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
HCFC 243		460-69-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1-Propene, 1,1-dichloro-3,3,3-trifluoro-		460-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1-Propene, 1-chloro-1,3,3,3-tetrafluoro-		460-71-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1,3,3-Pentafluoropropane		460-73-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●																	
1,1,1-Trifluoro-4-iodobutane		461-17-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
4,4,4-Trifluorobutanol		461-18-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1,1-Trifluoro-2-methylpropan-2-ol		507-52-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Ethane, 2-bromo-2-chloro-1,1,1-trifluoro-, (R)-		51230-17-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
alpha,alpha,alpha,6-Tetrafluoro-m-toluidine		535-52-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Zinc trifluoromethanesulphonate		54010-75-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Trifluoromethyl methacrylate		56487-95-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
1,1'-Biphenyl, 2,2'-bis(trifluoromethyl)-		567-15-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Silane, trichloro(3,3,3-trifluoropropyl)-		592-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
Bromotrifluoroethene		598-73-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		
2,2,2-trifluoro-Acetic acid-d		599-00-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tris(trifluoromethanesulfonyl)methane		60805-12-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Acetic acid, bromo-, 2,2,2-trifluoroethyl ester		61433-91-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanone, 2,2,2-trifluoro-1-(4-fluorophenyl)-		655-32-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Indium hydroxide trifluoroacetate (1/1/2)		66027-94-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Trifluoromethanesulphonic (2H)acid		66178-41-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,4-Bis(2,2,2-trifluoroethoxy)benzene		66300-61-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Silane, dichlorobis(3,3,3-trifluoropropyl)-		665-98-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,4,4,4-Hexafluorobut-2-ene		66711-86-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Silane, dichloromethyl(3,3,3-trifluoropropyl)-		675-62-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3,3,3-Trifluoro-1-propene		677-21-4	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Difluoro(fluorosulphonyl)acetyl fluoride		677-67-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
3-Bromo-4-fluorobenzotrifluoride		68322-84-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Acrylic acid, 3,3-difluoro-2-(trifluoromethyl)-, methyl ester		685-09-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
[Bis((trifluoromethyl)sulfonyl-kappaO)methanato]silver		68785-05-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,3,3,3-Pentafluoropropene		690-27-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Fluoro-5-(trifluoromethyl)pyridine		69045-82-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1,3-Tetramethyl-3,3-bis(3,3,3-trifluoropropyl)disiloxane		690-56-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Methyl 2,2,3-trifluoro-3-oxopropanoate		69116-71-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
(Z)-1,1,1,4,4,4-Hexafluoro-2-butene		692-49-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-Butyne, 1,1,1,4,4,4-hexafluoro-		692-50-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Ethanone, 2,2,2-trifluoro-1-(3-fluorophenyl)-		708-64-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
1,1,1-Trichloro-3,3,3-trifluoropropane		7125-83-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D	●															
Ethanamine, 2,2,2-trifluoro-		753-90-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Acetaldehyde, trifluoro-		75-90-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Trifluoroacetic acid		76-05-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Benzene, 1-chloro-2,3-difluoro-5-(trifluoromethyl)-		77227-99-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
Benzene, 2-chloro-1-fluoro-4-(trifluoromethyl)-		78068-85-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																
2-(Perfluorododecyl)ethane-1-thiol		79840-60-1	Observation	All applications and products	Intentionally added with decomposition byproducts	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,1,3,3,3-Pentafluoropropyl 2-methylprop-2-enoate		80110-84-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
(Trifluoromethyl)trimethylsilane		81290-20-2	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Acetamide, 2,2,2-trifluoro-N-methyl-		815-06-5	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide		82113-65-3	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
3,5-Bis(trifluoromethyl)benzylamine		85068-29-7	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2,3-Difluoro-5-(trifluoromethyl)pyridine		89402-42-6	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Fluoro-4-(trifluoromethyl)benzaldehyde		89763-93-9	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
2-Fluoro-6-(trifluoromethyl)pyridine		94239-04-0	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Benzotrifluoride		98-08-8	Observation	All applications and products	Intentionally added with decomposition byproducts	D																	
Potassium perfluoroheptanoate		21049-36-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●															
Magnesium bis(perfluorooctane-1-sulfonate)		91036-71-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●					●								●			
Piperidin-1-ium perfluorooctane-1-sulfonate		71463-74-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●					●								●			
didecyltrimethylammonium perfluorooctane sulfonate		251099-16-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●					●								●			
Perfluoroheptadecanoic acid		57475-95-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●																
Perfluorononadecanoic acid		133921-38-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●																
magnesium perfluorobutanesulfonate		507453-86-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●															
lithium perfluorobutanesulfonate		131651-65-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●															
morpholinium perfluorobutanesulfonate		503155-89-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●															
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-		75579-40-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●															
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-		75579-39-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●															
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1000597-52-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●				●						●					
1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid		108427-54-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●				●						●					
Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)		108427-55-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●				●						●					
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1)		1187817-57-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●				●						●					
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1310480-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●				●						●					
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1310480-27-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●				●						●					

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Methanaminium, N-[4-[[4-(dimethylamino)phenyl]][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1310480-28-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)		1329995-45-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●										●				
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)		1329995-69-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●										●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)		41242-12-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)		421555-73-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		421555-74-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		425670-70-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt		70136-72-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)		72033-41-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Iodonium, bis[1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)		866621-50-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		910606-39-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		911027-68-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 <sup>3,7</sup> ]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 <sup>3,7</sup> ]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate		911027-69-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)		92011-17-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclo-pentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		928049-42-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		144116-10-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		1462414-59-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		153443-35-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)		189274-31-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)		202189-84-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		213740-81-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, gallium salt (9CI)		341035-71-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-hexanesulfonate (1:1)		341548-85-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, scandium(3+) salt (3:1)		350836-93-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, neodymium(3+) salt (3:1)		41184-65-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●	●					●					●				
Fatty acids, C18-unsaturated, trimers, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl esters		148240-78-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Fatty acids, C18-unsaturated, trimers, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl esters		148240-81-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Fatty acids, C18-unsaturated, trimers, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl esters		148240-82-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, C,C'-bis[2-ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester		21055-88-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propen-1-yl-		24924-36-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Fatty acids, linseed-oil, dimers, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl esters		306973-46-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and N,N',2-tris(6-isocyanatohexyl)imidodicarbonic diamide, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compounds with triethylamine		306975-56-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,1'-methylenebis[4-isocyanatobenzene] and 1,2,3-propanetriol, reaction products with N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide and N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, compounds with morpholine		306975-57-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Cyclohexanesulfonic acid, 1,2,2,3,3,4,4,5,5,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)-, potassium salt (1:1)		335-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Decanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heneicosfluoro-		335-77-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-2-propen-1-yl-		335-97-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Cyclohexanesulfonyl fluoride, 1,2,2,3,3,4,4,5,5,6,6-undecafluoro-		355-03-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonoxy)ethyl]-		3820-83-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]-, sodium salt (1:1)		3871-50-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-2-propen-1-yl-		423-86-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-N-(phenylmethyl)-		50598-29-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Benzenesulfonic acid, [[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]amino]methyl]- sodium salt (1:1)		51032-47-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Poly(oxy-1,2-ethanediyl), .alpha.- [[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methylamino ]carbonyl]-.omega.-butoxy-		52032-20-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 4- [[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methylamino ]butyl ester		58920-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-methyl-, 4- [[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctyl)sulfonyl]methylamino ]butyl ester		61577-14-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2- [[[2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,11, 11,11- eicosfluoroundecyl)sulfonyl]methylamino] ethyl ester		66008-68-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2- [[[2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- heptadecafluorononyl)sulfonyl]methylamino] ethyl ester		66008-69-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2- [methyl(2,2,3,3,4,4,5,5,6,6,7,7,7- tridecafluoroheptyl)sulfonyl]amino]ethyl ester		66008-70-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoro-N-2-propen-1-yl-		67584-49-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Heptanesulfonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoro-N-[3- (trichlorosilyl)propyl]-		67584-50-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-methyl-, 4- [methyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]butyl ester		67906-38-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Heptanesulfonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoro-N-2-propen-1-yl-		67906-41-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-methyl-, 2- [ethyl[[1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2- propenoate and 2-propenoic acid		67906-74-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Heptanesulfonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoro-N-[2- (phosphonoxy)ethyl]-		67923-61-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-methyl-, 2- [ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2- propenoate and 2-propenoic acid		67939-37-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Octanesulfonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-N-[3- (trichlorosilyl)propyl]-		67939-42-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Pentanesulfonamide, N,N'- [phosphinicobis(oxy-2,1-ethanediyl)]bis[N- ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-		67939-87-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Pentanesulfonamide, N-ethyl- 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-[2- (phosphonoxy)ethyl]-		67939-90-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Cyclohexanesulfonyl fluoride, nonafluorobis(trifluoromethyl)-		68156-00-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Cyclohexanesulfonyl fluoride, decafluoro- 1,1,2,2,2-(pentafluoroethyl)-		68156-06-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 4- [methyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7- pentadecafluoroheptyl)sulfonyl]amino]butyl ester		68227-97-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 4- [methyl(1,1,2,2,3,3,4,4,5,5,5- undecafluoropentyl)sulfonyl]amino]butyl ester		68227-99-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(4- hydroxybutyl)-N-methyl-		68239-72-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-(4-hydroxybutyl)-N-methyl-		68239-73-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(phenylmethyl)-		68298-08-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoro-N-(phenylmethyl)-		68298-10-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoro-N-(4-hydroxybutyl)-N-methyl-		68298-89-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Benzenesulfonic acid, [[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-20-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Benzenesulfonic acid, ar-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoroheptyl)sulfonyl]amino]methyl]-, sodium salt (1:1)		68299-29-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Heptanesulfonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoro-N-(2-hydroxyethyl)-		68310-02-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Cyclohexanesulfonyl fluoride, decafluoro(trifluoromethyl)-		68318-34-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Propanaminium, 3-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoroheptyl)sulfonyl]amino]-N,N,N-trimethyl-, inner salt		68318-36-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, polymer with 2-[ethyl[[heptafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-propenoate		68541-80-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-, sodium salt (1:1)		68555-69-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoroheptyl)sulfonyl]-, sodium salt (1:1)		68555-71-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-, ethyl ester		68555-79-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]-		68957-31-3	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoroheptyl)sulfonyl]-, ethyl ester		68957-54-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoroheptyl)sulfonyl]-		68957-63-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Propanaminium, N,N,N-trimethyl-3-[[[1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]-, sulfate (2:1)		70225-24-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Propanaminium, 3-[[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoroheptyl)sulfonyl]amino]-N,N,N-trimethyl-, sulfate (2:1)		70225-26-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Phosphonic acid, P-[3-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoroheptyl)sulfonyl]amino]propyl]-		71463-78-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Phosphonic acid, P-[3-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoroheptyl)sulfonyl]amino]propyl]-		71463-79-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Phosphonic acid, P-[3-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoroheptyl)sulfonyl]amino]propyl]-, diethyl ester		71463-80-4	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Phosphonic acid, P-[3-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentafluoroheptyl)sulfonyl]amino]propyl]-, diethyl ester		71463-81-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoroheptyl)sulfonyl]amino]-		72785-08-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate		73018-93-6	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Benzamide, 4-[[4-[[[2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]amino]carbonyl]phenyl]methyl]-N-octadecyl-		73019-19-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1,3-Benzenedicarboxamide, N3-[2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl]-N1-[2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl]-4-methyl-		73019-20-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-methoxypropyl(oxy-1,2-ethanediy)		73019-28-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with 2-methyloxirane polymer with oxirane mono(2-methyl-2-propenoate)		73038-33-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]propylamino]ethyl ester, polymer with .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-butoxypropyl[oxy(methyl-1,2-ethanediy)]		73275-59-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propenoate and 2-hydroxyethyl 2-propenoate		95590-48-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Methyl-triethylammonium bis(trifluoromethylsulfonyl)imide		375395-33-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Fluoroelastomers		64706-30-5	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
ethene,1,1,2,2-tetrafluoro-, polymer with 1,1'oxybis[ethene]		102646-47-9	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Fluoroethylene-alkyl vinyl ether		146915-43-7	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Perfluorindane		374-80-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Perfluoroperhydrofluoranthene		662-28-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Perfluoroperhydrobenzyltetralin		116265-66-8	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
3,3,4,4,5,5,6,6,-octafluoro-1-Hexene		159148-08-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
3,3,4,5,5,5-hexafluoro-1-Pentene		2375-68-0	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
1,1,1,2,3,4,5,5,5-nonafluoro-2-(trifluoromethyl)-Pentane		85720-78-1	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
Methyl perfluoroalkyl ether		22052-84-2	Observation	All applications and products	Intentionally added with decomposition byproducts	-	●															
		2310194-12-6	Prohibited	All applications and products	Intentionally added	-							●									
Phenol	フェノール	108-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Phenol, 2,4-bis(1,1-dimethylethyl)-		96-76-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Phenol, 2,6-bis(1,1-dimethylethyl)-		128-39-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (UV 320)	2-(2H-ベンゾトリアゾール-2-イル)-4,6-ビス(1,1-ジメチルエチル)フェノール	3846-71-7	Prohibited	All applications and products	Intentionally added	P	●	●	●				●									
Phenol, 2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (UV-234)		70321-86-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (UV 329)		3147-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (UV 350)		36437-37-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●						●							
Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)- (UV 327)	2-(2-ヒドロキシ-3,5-ジ-tert-ブチルフェニル)-5-クロロベンゾトリアゾール	3864-99-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Impurity: relative to the weight of component parts and materials 1000	D/P	●	●	●						●							
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene		68610-51-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Phenol, 4,4'-(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl-		1843-03-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Phenol, 4,4'-methylenbis[2,6-bis(1,1-dimethylethyl)-	2,2',6,6'-ビス(1,1-ジメチルエチル)フェノール	118-82-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D									●							
Phenol, styrenated		61788-44-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Phenol, 4-(1,1,3,3-tetramethylbutyl)-	4-(1,1,3,3-テトラメチルブチル)フェノール	140-66-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●														
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated, selected	4-(1,1,3,3-テトラメチルブチル)フェノール、エトキシレート、抜粋		Prohibited			D/P																
alpha-(p-(1,1,3,3-Tetramethylbutyl)phenyl)-omega-hydroxypoly(oxyethylene)		9036-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●													
Polyethyleneglycol-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ether		9002-93-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P		●	●													
Phenol, 2-(1-methylpropyl)-4,6-dinitro-	2-(1-メチルプロピル)-4,6-ジニトロフェノール	88-85-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●										●		●		
Phenol, 2,4,6-tris(1,1-dimethylethyl)-	2,4,6-ビス(1,1-ジメチルエチル)フェノール	732-26-3	Prohibited	All applications and products	Intentionally added	D/P	●	●					●					●				●
Phenylenediamines and its salts, selected	フェニレンジアミン類およびその塩、抜粋		Observation			D																
2,6-Dichloro-p-phenylenediamine	2,6-ジクロロ-p-フェニレンジアミン	609-20-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2-Ethoxy-N4,N4-diethyl-p-phenylenediamine	2-エトキシ-N,N-ジエチル-p-フェニレンジアミン	2359-46-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2-Methoxy-5-methyl-p-phenylenediamine	2-メチル-5-メトキシ-p-フェニレンジアミン	5307-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2-Nitro-p-phenylenediamine	2-ニトロ-p-フェニレンジアミン	5307-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
4-Chloro-o-phenylenediamine	4-クロロ-o-フェニレンジアミン	95-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
Dimethyl-p-phenylenediamine	N,N-ジメチル-p-フェニレンジアミン	99-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
m-phenylenediamine	m-フェニレンジアミン	108-45-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
m-phenylenediamine dihydrochloride	m-フェニレンジアミン二塩酸塩	541-69-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
N,N'-Diphenyl-p-phenylenediamine	N,N'-ジフェニル-p-フェニレンジアミン	74-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
o-Phenylenediamine	o-フェニレンジアミン	95-54-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D															●	
o-phenylenediamine dihydrochloride	o-フェニレンジアミン二塩酸塩	615-28-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Phenylenediamines	フェニレンジアミン(異性体混合物)	25265-76-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
p-Phenylenediamine	p-フェニレンジアミン	106-50-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
p-Phenylenediamine dihydrochloride	p-フェニレンジアミン二塩酸塩	624-18-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
p-Phenylenediamine hydrochloride	p-フェニレンジアミンヒドロクロライド	55972-71-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phenyl Glycidyl Ether		122-60-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●		●		
Phosphoric acid, bis[(1,1-dimethylethyl)phenyl] phenyl ester		65652-41-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphoric acid,(1,1-dimethylethyl)phenyl diphenyl ester		56803-37-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphoric acid, triethyl ester, TEP		78-40-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphoric acid, tris(2-methylphenyl) ester	O-トリレンジアミンヒドロクロライド	78-30-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-propyl) esters, zinc salts		84605-29-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphorodithioic acid,mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts		85940-28-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphorodithioic acid,mixed O,O-bis(iso-butyl and pentyl) esters, zinc salts		68457-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphorodithioic acid, mixed O,O-bis(sec-butyl and isoctyl) esters, zinc salts		113706-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts		68649-42-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Phthalates, selected	フタル酸エステル類、抜粋		Reduced/ Observation			D/P																	
(1,2-Benzenedicarboxylic acid, diheptyl ester, branched and linear)	フタル酸ジヘプチルエステル(分枝型及び直鎖)	68515-44-6	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																	
(1,2-Benzenedicarboxylic acid, dinonyl ester, branched and linear)	フタル酸ジノニルエステル(分枝型及び直鎖)	68515-45-7	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																	
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	1,2-ヘンチン酸ジペンチルエステル(分枝型及び直鎖)	84777-06-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●		●									●				
(1,2-Benzenedicarboxylic acid, diundecyl ester)	フタル酸ジウンデシル	3648-20-2	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																	
(1,2-Benzenedicarboxylic acid, heptyl nonyl ester, branched and linear)	フタル酸ジヘプチルノニルエステル(分枝型及び直鎖)	111381-89-6	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																	
(1,2-Benzenedicarboxylic acid, heptyl undecyl ester, branched and linear)	フタル酸ジヘプチルウンデシルエステル(分枝型及び直鎖)	111381-90-9	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																	
(1,2-Benzenedicarboxylic acid, nonyl undecyl ester, branched and linear)	フタル酸ジノニルウンデシルエステル(分枝型及び直鎖)	111381-91-0	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																	
1,2-Benzenedicarboxylic acid; di-C6-8-branched alkylesters, C7-rich	フタル酸ジヘキシル	71888-89-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●		●									●				
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters		68515-51-5	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D/P		●		●													
1,2-Benzenedicarboxylic acid, di-C10-12-branched alkyl esters		1689515-36-3	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																	
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	1,2-ヘンチン酸ジヘキシルノニルエステル; 1,2-ヘンチン酸ジヘキシルウンデシルエステル; 0.3%以上のフタル酸ジヘキシル	68648-93-1	Reduced/ Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D/P		●		●													
Benzyl butyl phthalate (BBP) (1,2-Benzenedicarboxylic acid, 1-butyl 2-(phenylmethyl) ester)	フタル酸ブチルベンジルエステル(BBP)	85-68-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●	●	●								●		●		
Bis(2-methoxyethyl) phthalate (1,2-Benzenedicarboxylic acid, 1,2-bis(2-methoxyethyl) ester)		117-82-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●		●									●				

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Di(2-ethylhexyl)phthalate (DEHP) (1,2-Benzenedicarboxylic acid, 1,2-bis(2-ethylhexyl) ester)	ジ(2-エチルヘキシル)フタル酸エステル(DEHP)	117-81-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●	●	●								●		●	
Dibutylphthalate (DBP) (1,2-Benzenedicarboxylic acid, 1,2-dibutyl ester)	ジブチルフタル酸エステル(DBP)	84-74-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●	●	●								●		●	
Benzyl octyl phthalate (B79P)		68515-40-2	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D																
Dicyclohexyl phthalate	ジシクロヘキシルフタル酸エステル	84-61-7	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D	●	●											●			
Dihexyl phthalate	ジヘキシルフタル酸エステル	84-75-3	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●										●		●	
Diisobutylphthalate (DiBP) (1,2-Benzenedicarboxylic acid, 1,2-bis(2-methylpropyl) ester)	ジイソブチルフタル酸エステル (DiBP)	84-69-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●	●	●								●			
Diisopentylphthalate (DIPP) (1,2-Benzenedicarboxylic acid, 1,2-bis(3-methylbutyl) ester)	ジイソペンチルフタル酸エステル (DIPP)	605-50-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●										●			
Dipentylphthalate (1,2-Benzenedicarboxylic acid, 1,2-dipentyl ester)	ジペンチルフタル酸エステル	131-18-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●										●			
Heptyl undecyl phthalate (1,2-Benzenedicarboxylic acid di-C7-11-branched and linear alkyl-esters)	ヘプチルウンデシルフタル酸エステル	68515-42-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●										●			
Di-isononyl phthalate	ジイソノニルフタル酸エステル (DINP)	28553-12-0	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D	●		●													
Di-isodecyl phthalate	ジイソデシルフタル酸エステル	26761-40-0	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D	●		●												●	
Di-n-octylphthalate	ジ-n-オクチルフタル酸エステル	117-84-0	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D	●		●													
Di-(C9-rich branched C8-C10-alkyl) phthalate		68515-48-0	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	D	●		●													
Diisodecyl phthalate (DIDP)		68515-49-1	Reduced/Observation	To be reduced: Materials for parts and products To be controlled: packing material (boxes, insulation, shock resistance, etc.)	Relative to the weight of component parts and materials 1000	-	●		●												●	
Pitch, coal tar, high temp.	コールタール、高温留分	65996-93-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●	●										●			
Polyamine Curing Agents, selected	ポリアミン硬化剤、抜粋		Observation			D																
bis-Hexamethylenetriamine	ビス(ヘキサメチレン)トリアミン	143-23-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Triethyleneglycoldiamine	1,8-ジアミン-3,6-ジメチルエタナミン	929-59-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Poly(propylene glycol)tri-amine	トリ(プロピレングリコール)トリアミン	64852-22-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Poly(propylene glycol)di-amine	ジ(プロピレングリコール)ジアミン	9046-10-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Pentaethylenhexamine	ペンタエチレンヘキサミン	4067-16-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Hexamethylenetetramine	ヘキサメチレンテトラミン	100-97-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Polybrominated biphenyls (PBB), all members	ポリ臭化ビフェニル類 (PBB類)、全て		Prohibited			P																
1,1'-Biphenyl, 2,2',3,4',5'-pentabromo-	2,2',3,4',5'-ペンタブロムジフェニル	73141-48-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●				●					●		
1,1'-Biphenyl, 2,2',3,4,6-pentabromo-	2,2',3,4,6-ペンタブロムジフェニル	77910-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●				●					●		
1,1'-Biphenyl, 2,2',3,5',6-pentabromo-	2,2',3,5',6-ペンタブロムジフェニル	88700-05-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●				●					●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,1'-Biphenyl, 2,2',4,4',5-pentabromo-	2,2',4,4',5-ヘンタブロムジエン	81397-99-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,4',6-pentabromo-	2,2',4,4',6-ヘンタブロムジエン	97038-97-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,4'-tetrabromo-	2,2',4,4'-テトラブロムジエン	66115-57-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,4',5,5'-hexabromo-	ヘキサブロムジエン	59080-40-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●		●		●		●							●			
1,1'-Biphenyl, 2,2',4,5,5'-pentabromo-	2,2',4,5,5'-ヘンタブロムジエン	67888-96-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,5',6-pentabromo-	2,2',4,5,6'-ヘンタブロムジエン	59080-39-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,5,6'-pentabromo-	2,2',4,5,6'-ヘンタブロムジエン	80274-92-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,5'-tetrabromo-	2,2',4,5'-テトラブロムジエン	60044-24-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,6,6'-pentabromo-	2,2',4,6,6'-ヘンタブロムジエン	97063-75-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',4,6'-tetrabromo-	2,2',4,6'-テトラブロムジエン	97038-95-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',5,5'-tetrabromo-	2,2',5,5'-テトラブロムジエン	59080-37-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',5,6'-tetrabromo-	2,2',5,6'-テトラブロムジエン	60044-25-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2',5-tribromo-	2,2',5-トリブロムジエン	59080-34-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●		●		●									●			
1,1'-Biphenyl, 2,2',6,6'-tetrabromo-	2,2',6,6'-テトラブロムジエン	97038-96-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,2'-dibromo-	2,2'-ジブロムジエン	13029-09-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,3,4,4',5-pentabromo-	2,3,4,4',5-ヘンタブロムジエン	96551-70-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2',3,4,4',5-pentabromo-	2',3,4,4',5-ヘンタブロムジエン	74114-77-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,3',4,4'-tetrabromo-	2,3',4,4'-テトラブロムジエン	84303-45-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,3,4,5,6-pentabromo-	2,3,4,5,6-ヘンタブロムジエン	38421-62-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,3',4',5-tetrabromo-	2,3',4',5-テトラブロムジエン	59080-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,3',5-tribromo-	2,3',5-トリブロムジエン	59080-35-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,3'-dibromo-	2,3'-ジブロムジエン	49602-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,3,3',4'-tetrabromo-	テトラブロムジエン	40088-45-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●		●		●									●			
1,1'-Biphenyl, 2,4,4',6-tetrabromo-	2,4,4',6-テトラブロムジエン	64258-02-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			
1,1'-Biphenyl, 2,4',5-tribromo-	2,4',5-トリブロムジエン	59080-36-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P			●		●									●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,1'-Biphenyl, 2,4,6-tribromo-	2,4,6-トリブロフェニール	59080-33-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●						●			
1,1'-Biphenyl, 2,4',6-tribromo-	2,4',6-トリブロフェニール	64258-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 2,4'-dibromo-	2,4'-ジブロフェニール	49602-91-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 2,4-dibromo-	2,4-ジブロフェニール	53592-10-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 2,5-dibromo-	2,5-ジブロフェニール	57422-77-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 2,6-dibromo-	2,6-ジブロフェニール	59080-32-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 3,3',4,4'-tetrabromo-	3,3',4,4'-テトラブロフェニール	77102-82-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 3,3',4,5'-tetrabromo-	3,3',4,5'-テトラブロフェニール	97038-98-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 3,3',5,5'-tetrabromo-	3,3',5,5'-テトラブロフェニール	16400-50-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 3,3'-dibromo-	3,3'-ジブロフェニール	16400-51-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 3,4,4',5-tetrabromo-	3,4,4',5-テトラブロフェニール	59589-92-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 3,4'-dibromo-	3,4'-ジブロフェニール	57186-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 3,4-dibromo-	3,4-ジブロフェニール	60108-72-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
1,1'-Biphenyl, 4,4'-dibromo-	4,4'-ジブロフェニール	92-86-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
1,1'-Biphenyl, dibromo-		27479-65-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		
2-bromobiphenyl	2-ブロフェニール	2052-07-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
3-bromobiphenyl	3-ブロフェニール	2113-57-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
4-Bromobiphenyl	4-ブロフェニール	92-66-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
Decabromobiphenyl	デカブロフェニール	13654-09-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
Firemaster BP-6	臭素化 <sup>6</sup> フェニール	59536-65-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
Firemaster FF-1	臭素化 <sup>6</sup> フェニール(混合)	67774-32-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
Heptabromobiphenyl		35194-78-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
Hexabromobiphenyl	ヘキサブロフェニール	36355-01-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●					●	●				●			●		
Nonabromo-1,1'-biphenyl		27753-52-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P	●	●						●							●		
Octabromobiphenyl	オクタブロフェニール	27858-07-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	P		●						●							●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pentabromobiphenyl		56307-79-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	p	●	●			●				●					●		
Bromkal 80	2,2',3,3',4,4',5,5'-ヘキサブロムジフェニール	61288-13-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	p	●	●			●											
2,2',4,4',5,6'-hexabromobiphenyl	2,2',4,4',5,6'-ヘキサブロムジフェニール	36402-15-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,3',5,5'-hexabromobiphenyl	2,2',3,3',5,5'-ヘキサブロムジフェニール	55066-76-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',4,4',6,6'-hexabromobiphenyl	2,2',4,4',6,6'-ヘキサブロムジフェニール	59261-08-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
3,3',4,4',5,5'-hexabromobiphenyl	3,3',4,4',5,5'-ヘキサブロムジフェニール	60044-26-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,4,4',5'-hexabromobiphenyl	2,2',3,4,4',5'-ヘキサブロムジフェニール	67888-98-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,3',4,4',5,5'-hexabromobiphenyl	2,3',4,4',5,5'-ヘキサブロムジフェニール	67888-99-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,4',5',6'-hexabromobiphenyl	2,2',3,4',5',6'-ヘキサブロムジフェニール	69278-59-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,3,3',4,4',5'-hexabromobiphenyl	2,3,3',4,4',5'-ヘキサブロムジフェニール	77607-09-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,4,4',5'-hexabromobiphenyl	2,2',3,4,4',5'-ヘキサブロムジフェニール	81381-52-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,3',4,4'-hexabromobiphenyl	2,2',3,3',4,4'-ヘキサブロムジフェニール	82865-89-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,3',4,5'-hexabromobiphenyl	2,2',3,3',4,5'-ヘキサブロムジフェニール	82865-90-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,3,3',4',5',6'-hexabromobiphenyl	2,3,3',4',5',6'-ヘキサブロムジフェニール	82865-91-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,3,3',4,4',5'-hexabromobiphenyl	2,3,3',4,4',5'-ヘキサブロムジフェニール	84303-47-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,3',4,4',5',6'-hexabromobiphenyl	2,3',4,4',5',6'-ヘキサブロムジフェニール	84303-48-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,4',6,6'-hexabromobiphenyl	2,2',3,4',6,6'-ヘキサブロムジフェニール	93261-83-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,3',4,6'-hexabromobiphenyl	2,2',3,3',4,6'-ヘキサブロムジフェニール	119264-50-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,3',5,6'-hexabromobiphenyl	2,2',3,3',5,6'-ヘキサブロムジフェニール	119264-51-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,4,5',6'-hexabromobiphenyl	2,2',3,4,5',6'-ヘキサブロムジフェニール	119264-52-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,5,5',6'-hexabromobiphenyl	2,2',3,5,5',6'-ヘキサブロムジフェニール	119264-53-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,2',3,4,5,5'-hexabromobiphenyl	2,2',3,4,5,5'-ヘキサブロムジフェニール	120991-47-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,3,3',4,5,5'-hexabromobiphenyl	2,3,3',4,5,5'-ヘキサブロムジフェニール	120991-48-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-					●		●								●	
2,4,4'-Tribromobiphenyl	2,4,4'-トリブロムジフェニール	6430-90-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-									●						●	
3,4,4'-Tribromobiphenyl	3,4,4'-トリブロムジフェニール	6683-35-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Bromine content in homogeneous material 1000	-									●						●	



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
2,2',4,4',5,6'-hexabromodiphenyl ether		207122-15-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P					●		●				●		●			
2,2',4,4',5-Pentabromodiphenyl ether		60348-60-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P					●		●				●		●			
2,2',4,4'-tetrabromodiphenyl ether	テトラブロムジフェニールエーテル	5436-43-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P					●		●				●		●			
Benzen,1,2,4,5-tetrabromo-3-(2,4-dibromophenoxy)-	2,2',3,4',5,6-ヘキサブロムジフェニールエーテル	116995-33-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P					●		●				●		●			
Benzene, 1,1'-oxybis[2,3,4,6-tetrabromo-		117964-21-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P					●											
Decabromodiphenyl ether ('Deca'; Decabromodiphenyl oxide) (Benzene, 1,1'-oxybis[2,3,4,5,6-pentabromo- )	デカブロムジフェニールエーテル	1163-19-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	D/P	●	●			●						●		●			●
Dibromodiphenyl ether	ジブロムジフェニールエーテル	2050-47-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●											
Monobromodiphenyl ether	モノブロムジフェニールエーテル	101-55-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●											
Nonabromodiphenyl ether	ナノブロムジフェニールエーテル	63936-56-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●											
Octabromodiphenyl ether ('Octa') (Benzene, 1,1'-oxybis-, octabromo deriv. )	オクタブロムジフェニールエーテル	32536-52-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●		●		●						●		●			
Pentabromodiphenyl ether ('Penta') (Benzene, 1,1'-oxybis-, pentabromo deriv. )	ペンタブロムジフェニールエーテル	32534-81-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●		●				●		●			
Hexabromodiphenyl ether	ヘキサブロムジフェニールエーテル	36483-60-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●		●				●		●			
Heptabromodiphenyl ether	ヘプタブロムジフェニールエーテル	68928-80-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●		●				●		●			
Tetrabromodiphenyl ether	テトラブロムジフェニールエーテル	40088-47-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●		●				●		●			
Tribromodiphenyl ether	トリブロムジフェニールエーテル	49690-94-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	P	●				●											

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-dibromo-4- (3,4-dibromophenoxy) benzene	1,2-ジブロム4-(3,4-ジブロモフェノキシ)ベンゼン	93703-48-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	-					●		●				●		●			
1,3-Dibromo-5- (3,5-dibromophenoxy) benzene	1,3-ジブロム5-(3,5-ジブロモフェノキシ)ベンゼン	103173-66-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	-					●		●				●		●			
1,2,3,4,5-pentabromo-6-phenoxybenzene	1,2,3,4,5-ペンタブロム6-フェノキシベンゼン	189084-65-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	-					●		●				●		●			
Tribromo (tribromophenoxy) benzene	トリブロム(トリブロモフェノキシ)ベンゼン	31153-30-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	-					●		●				●		●			
1,3,5-tribromo-2- (2,4,6-tribromophenoxy) benzene	1,3,5-トリブロム2-(2,4,6-トリブロモフェノキシ)ベンゼン	35854-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	-					●		●				●		●			
1,2,4,5-tetrabromo-3- (2,4,6-tribromophenoxy) benzene	1,2,4,5-テトラブロム3-(2,4,6-トリブロモフェノキシ)ベンゼン	116995-32-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	-					●		●				●		●			
1,2,3,5-tetrabromo-4- (2,4,6-tribromophenoxy) benzene	1,2,3,5-テトラブロム4-(2,4,6-トリブロモフェノキシ)ベンゼン	117948-63-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Intentionally added 500 for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 1000 for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment	-					●		●				●		●			
Polybrominated terphenyls ( PBT ), all members	ポリ臭化ターフェニル類 (PBT) 、全て		Observation			D																
Dodecabromoterphenyl	ドデカブロムターフェニル	79596-31-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Undecabromoterphenyl	1,1':4,1''-テトラ臭化ターフェニル/臭素,(1:11)	83929-80-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
4-Bromo-p-terphenyl (1,1':4,1''-Terphenyl, 4-bromo-)	4-ブロム-p-ターフェニル	1762-84-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2''-Bromo-[1,1';4,1'']terphenyl		3282-24-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
2''-Bromo-[1,1';2,1'']terphenyl		75295-57-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
4,4''-Dibromo-p-terphenyl	4,4''-ジブロム-p-ターフェニル	17788-94-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
3-bromo-p-terphenyl	3-ブロム-p-ターフェニル	1762-87-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Polychlorinated biphenyls ( PCB ), all members	ポリ塩化ビフェニル類 (PCB) 、全て		Prohibited			P																
1,1'-Biphenyl, 2,4',5'-trichloro-	2,4',5'-トリクロロビフェニル	16606-02-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	P							●				●					●
2,2',4,4'-Tetrachlorobiphenyl	2,2',4,4'-テトラクロロビフェニル	2437-79-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	P							●				●					●
2,3',4,4',5,5'-HEXACHLOROBIPHENYL	2,3',4,4',5,5'-ヘキサクロロビフェニル	52663-72-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	P							●				●					●
2,4,5,2',4',5'-Hexachlorobiphenyl	2,4,5,2',4',5'-ヘキサクロロビフェニル	35065-27-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	P							●				●					●
3,3',4,4'-TETRACHLOROBIPHENYL	3,3',4,4'-テトラクロロビフェニル	32598-13-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	P							●				●					●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3,4,5,3',4',5'-Hexachlorobiphenyl	3,3',4,4',5,5'-ヘキサクロロビフェニル	32774-16-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Aroclor 1016	塩化ジフェニル(塩素16%)	12674-11-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Aroclor 1221	塩化ジフェニル(塩素21%)	11104-28-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Aroclor 1232	塩化ジフェニル(塩素32%)	11141-16-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Aroclor 1242	シクロジフェニル	53469-21-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Aroclor 1248	塩化ジフェニル(塩素48%)	12672-29-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
AROCLOR 1254	塩化ジフェニル(塩素54%)	11097-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Aroclor 1260	塩化ジフェニル(塩素60%)	11096-82-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Heptachloro-1,1'-biphenyl	ヘプタクロロビフェニル	28655-71-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Nonachloro-1,1'-biphenyl	ノナクロロビフェニル	53742-07-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
pentachloro[1,1'-biphenyl]	ペンタクロロビフェニル	25429-29-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
Polychlorinated biphenyls	ポリクロロビフェニル	1336-36-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p	●						●				●					●
Tetrachloro(tetrachlorophenyl)benzene	テトラクロロビフェニル	31472-83-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	p							●				●					●
3,3'-dichlorobiphenyl	3,3'-ジクロロビフェニル	2050-67-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
4,4'-dichlorobiphenyl	4,4'-ジクロロビフェニル	2050-68-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
2,2', 3,3', 4,4', 5,5', 6,6'- decachlorobiphenyl		2051-24-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
2-chlorobiphenyl		2051-60-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
3-chlorobiphenyl	3-クロロビフェニル	2051-61-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
4-Chlorobiphenyl	4-クロロビフェニル	2051-62-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
2,2', 3,3', 5,5', 6,6'-octachlorobiphenyl		2136-99-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
3,4'-dichlorobiphenyl	3,4'-ジクロロビフェニル	2974-90-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
3,4-dichlorobiphenyl	3,4-ジクロロビフェニル	2974-92-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
2,4,4'-trichlorobiphenyl	2,4,4'-トリクロロビフェニル	7012-37-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
3,3', 5,5'-tetrachlorobiphenyl	3,3',5,5'-テトラクロロビフェニル	33284-52-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●	
2,3,4,5-tetrachlorobiphenyl	2,3,4,5-テトラクロロビフェニル	33284-53-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,5,6-tetrachlorobiphenyl	2,3,5,6-テトラクロロビフェニル	33284-54-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 4,4', 6,6'-hexachlorobiphenyl		33979-03-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,5-dichlorobiphenyl	2,5-ジクロロビフェニル	34883-39-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
3,5-dichlorobiphenyl	3,5-ジクロロビフェニル	34883-41-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,4'-dichlorobiphenyl	2,4'-ジクロロビフェニル	34883-43-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 5'-hexachlorobiphenyl	2,2',3,4,4',5'-ヘキサクロロビフェニル	35065-28-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 5,5'-heptachlorobiphenyl	2,2',3,4,4',5,5'-ヘプタクロロビフェニル	35065-29-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 4,4', 5'-heptachlorobiphenyl	2,2',3,3',4,4',5'-ヘプタクロロビフェニル	35065-30-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,4,6-trichlorobiphenyl	2,4,6-トリクロロビフェニル	35693-92-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 5,5'-tetrachlorobiphenyl	2,2',5,5'-テトラクロロビフェニル	35693-99-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 5,5'-hexachlorobiphenyl	2,2',3,3',5,5'-ヘキサクロロビフェニル	35694-04-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 5'-hexachlorobiphenyl	2,2',3,4,4',5'-ヘキサクロロビフェニル	35694-06-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 4,4', 5,5'-octachlorobiphenyl	2,2',3,3',4,4',5,5'-オクタクロロビフェニル	35694-08-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4'-tetrachlorobiphenyl	2,2',3,4'-テトラクロロビフェニル	36559-22-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
Kanechlor 300		37353-63-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 5-trichlorobiphenyl	2,2',5-トリクロロビフェニル	37680-65-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 4-trichlorobiphenyl	2,2',4-トリクロロビフェニル	37680-66-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 5'-trichlorobiphenyl	2,3',5'-トリクロロビフェニル	37680-68-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
3,3', 4-trichlorobiphenyl	3,3',4-トリクロロビフェニル	37680-69-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 4,5,5'-pentachlorobiphenyl	2,2',4,5,5'-ペンタクロロビフェニル	37680-73-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,5', 6-pentachlorobiphenyl	2,2',3,5',6-ペンタクロロビフェニル	38379-99-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2,2', 4,4', 5-pentachlorobiphenyl	2,2',4,4',5-ヘキサクロロジフェニール	38380-01-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●	
2,2', 3,4,5'-pentachlorobiphenyl	2,2',3,4,5'-ヘキサクロロジフェニール	38380-02-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4', 6-pentachlorobiphenyl	2,3,3',4',6-ヘキサクロロジフェニール	38380-03-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4', 5', 6-hexachlorobiphenyl	2,2',3,4',5',6-ヘキサクロロジフェニール	38380-04-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 4,6'-hexachlorobiphenyl	2,2',3,3',4,6'-ヘキサクロロジフェニール	38380-05-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 4,4'-hexachlorobiphenyl	2,2',3,3',4,4'-ヘキサクロロジフェニール	38380-07-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4,4', 5-hexachlorobiphenyl	2,3,3',4,4',5-ヘキサクロロジフェニール	38380-08-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 6,6'-hexachlorobiphenyl	2,2',3,3',6,6'-ヘキサクロロジフェニール	38411-22-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 4,5,6'-heptachlorobiphenyl	2,2',3,3',4,5,6'-ヘプタクロロジフェニール	38411-25-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 6-trichlorobiphenyl	2,2',6-トリクロロジフェニール	38444-73-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 6-trichlorobiphenyl	2,3',6-トリクロロジフェニール	38444-76-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,4', 6-trichlorobiphenyl	2,4',6-トリクロロジフェニール	38444-77-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3-trichlorobiphenyl	2,2',3-トリクロロジフェニール	38444-78-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 5-trichlorobiphenyl	2,3',5-トリクロロジフェニール	38444-81-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3'-trichlorobiphenyl	2,3,3'-トリクロロジフェニール	38444-84-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,4'-trichlorobiphenyl	2,3,4'-トリクロロジフェニール	38444-85-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2', 3,4-trichlorobiphenyl	2',3,4-トリクロロジフェニール	38444-86-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
3,3', 5-trichlorobiphenyl	3,3',5-トリクロロジフェニール	38444-87-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
3,4', 5-trichlorobiphenyl	3,4',5-トリクロロジフェニール	38444-88-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
3,4,4'-trichlorobiphenyl	3,4,4'-トリクロロジフェニール	38444-90-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3'-tetrachlorobiphenyl	2,2',3,3'-テトラクロロジフェニール	38444-93-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 4,4', 6-pentachlorobiphenyl	2,2',4,4',6-ヘキサクロロジフェニール	39485-83-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4,4', 5,5'-heptachlorobiphenyl	2,3,3',4,4',5,5'-ヘプタクロロジフェニール	39635-31-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●





5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2,2', 3,4,5,5', 6-heptachlorobiphenyl	2,2',3,4,5,5',6-ヘプタクロロビフェニール	52712-05-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●	
2,2', 3,3', 5,6'-hexachlorobiphenyl	2,2',3,3',5,6'-ヘキサクロロビフェニール	52744-13-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
3,4,5-trichlorobiphenyl	3,4,5-トリクロロビフェニール	53555-66-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,4,6-tetrachlorobiphenyl	2,3,4,6-テトラクロロビフェニール	54230-22-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
(±)-2,2', 3,4,6-pentachlorobiphenyl	(±)-2,2',3,4,6-ペンタクロロビフェニール	55215-17-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 4,5-hexachlorobiphenyl	2,2',3,3',4,5-ヘキサクロロビフェニール	55215-18-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,5-pentachlorobiphenyl	2,2',3,4,5-ペンタクロロビフェニール	55312-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,6-trichlorobiphenyl	2,3,6-トリクロロビフェニール	55702-45-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,4-trichlorobiphenyl	2,3,4-トリクロロビフェニール	55702-46-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 4-trichlorobiphenyl	2,3',4-トリクロロビフェニール	55712-37-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,5-trichlorobiphenyl	2,3,5-トリクロロビフェニール	55720-44-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
Octachlorobiphenyl	オクタクロロビフェニール	55722-26-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
(±)-2,2', 3,4,4', 6-hexachlorobiphenyl	(±)-2,2',3,4,4',6-ヘキサクロロビフェニール	56030-56-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 4,6,6'-pentachlorobiphenyl	2,2',4,6,6'-ペンタクロロビフェニール	56558-16-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 4,4', 6-pentachlorobiphenyl	2,3',4,4',6-ペンタクロロビフェニール	56558-17-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 4,5', 6-pentachlorobiphenyl	2,3',4,5',6-ペンタクロロビフェニール	56558-18-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
3,3', 4,4', 5-pentachlorobiphenyl	3,3',4,4',5-ペンタクロロビフェニール	57465-28-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 6'-hexachlorobiphenyl	2,2',3,4,4',6'-ヘキサクロロビフェニール	59291-64-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 4,4', 5', 6-hexachlorobiphenyl	2,3',4,4',5',6-ヘキサクロロビフェニール	59291-65-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,3', 5-pentachlorobiphenyl	2,2',3,3',5-ペンタクロロビフェニール	60145-20-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 4,5', 6-pentachlorobiphenyl	2,2',4,5',6-ペンタクロロビフェニール	60145-21-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 4,4', 5,6'-hexachlorobiphenyl	2,2',4,4',5,6'-ヘキサクロロビフェニール	60145-22-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 5,6'-heptachlorobiphenyl	2,2',3,4,4',5,6'-ヘプタクロロビフェニール	60145-23-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●





5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2,3,4,4', 5-pentachlorobiphenyl	2,3,4,4',5-ハロゲン化 biphenyl	74472-37-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●	
2,3,4,4', 6-pentachlorobiphenyl	2,3,4,4',6-ハロゲン化 biphenyl	74472-38-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3', 4', 5', 6-pentachlorobiphenyl	2,3',4',5',6-ハロゲン化 biphenyl	74472-39-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,6,6'-hexachlorobiphenyl	2,2',3,4,6,6'-ハロゲン化 biphenyl	74472-40-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4', 5,6'-hexachlorobiphenyl	2,2',3,4',5,6'-ハロゲン化 biphenyl	74472-41-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4,4', 6-hexachlorobiphenyl	2,3,3',4,4',6-ハロゲン化 biphenyl	74472-42-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4,5', 6-hexachlorobiphenyl	2,3,3',4,5',6-ハロゲン化 biphenyl	74472-43-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4', 5,6-hexachlorobiphenyl	2,3,3',4',5,6-ハロゲン化 biphenyl	74472-44-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4', 5', 6-hexachlorobiphenyl	2,3,3',4',5',6-ハロゲン化 biphenyl	74472-45-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 5,5', 6-hexachlorobiphenyl	2,3,3',5,5',6-ハロゲン化 biphenyl	74472-46-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 5,6-heptachlorobiphenyl	2,2',3,4,4',5,6-ハロゲン化 biphenyl	74472-47-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 6,6'-heptachlorobiphenyl	2,2',3,4,4',6,6'-ハロゲン化 biphenyl	74472-48-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,5,6,6'-heptachlorobiphenyl	2,2',3,4,5,6,6'-ハロゲン化 biphenyl	74472-49-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4,4', 5', 6-heptachlorobiphenyl	2,3,3',4,4',5',6-ハロゲン化 biphenyl	74472-50-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4,5,5', 6-heptachlorobiphenyl	2,3,3',4,5,5',6-ハロゲン化 biphenyl	74472-51-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4,4', 5,6,6'-octachlorobiphenyl	2,2',3,4,4',5,6,6'-ハロゲン化 biphenyl	74472-52-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4,4', 5,5', 6-octachlorobiphenyl	2,3,3',4,4',5,5',6-ハロゲン化 biphenyl	74472-53-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,2', 3,4', 5,6,6'-heptachlorobiphenyl	2,2',3,4',5,6,6'-ハロゲン化 biphenyl	74487-85-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,3,3', 4', 5'-pentachlorobiphenyl	2,3,3',4',5'-ハロゲン化 biphenyl	76842-07-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
Mixture of PCB 1248 and PCB 1254		89000-29-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2,4',? - trichlorobiphenyl	2,4',?-トリクロロ biphenyl	94487-00-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2, 3,?' (Or 3, 4,?) - trichlorobiphenyl	2,3,?'(又は3,4,?)-トリクロロ biphenyl	97122-18-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●
2, 4,?' (2,6,?' Or ha 3, 5,?' ) - trichlorobiphenyl		97122-20-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●					●					●





5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(S) -2,2', 3,3', 4,6'-heptachlorobiphenyl	(S)-2,2',3,3',4,6,6'-ヘプタクロロビフェニール	179678-33-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(R) -2,2', 3,3', 5,6'-hexachlorobiphenyl	(R)-2,2',3,3',5,6'-ヘキサクロロビフェニール	205991-67-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(S) -2,2', 3,3', 5,6'-hexachlorobiphenyl	(S)-2,2',3,3',5,6'-ヘキサクロロビフェニール	205991-68-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(R) -2,2', 3,4,5', 6-hexachlorobiphenyl	(R)-2,2',3,4,5',6'-ヘキサクロロビフェニール	205991-69-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(S) -2,2', 3,4,5', 6-hexachlorobiphenyl	(S)-2,2',3,4,5',6'-ヘキサクロロビフェニール	205991-70-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,3', 6-pentachlorobiphenyl	(+)-2,2',3,3',6'-ペンタクロロビフェニール	207004-27-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,3', 4,6'-hexachlorobiphenyl	(+)-2,2',3,3',4,6'-ヘキサクロロビフェニール	207004-28-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(-) - 2,2', 3,3', 5,6'-hexachlorobiphenyl	(-)-2,2',3,3',5,6'-ヘキサクロロビフェニール	207004-29-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,3', 6,6'-hexachlorobiphenyl	(+)-2,2',3,3',6,6'-ヘキサクロロビフェニール	207004-30-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(-) - 2,2', 3,3', 4,5,6'-heptachlorobiphenyl	(-)-2,2',3,3',4,5,6'-ヘプタクロロビフェニール	207004-31-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,3', 4,6,6'-heptachlorobiphenyl	(+)-2,2',3,3',4,6,6'-ヘプタクロロビフェニール	207004-32-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,3', 4,6-hexachlorobiphenyl	(+)-2,2',3,3',4,6'-ヘキサクロロビフェニール	207004-33-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,3', 4,5', 6-heptachlorobiphenyl	(+)-2,2',3,3',4,5',6'-ヘプタクロロビフェニール	207004-34-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,3', 4,4', 5,6'-octachlorobiphenyl	(+)-2,2',3,3',4,4',5,6'-オクタクロロビフェニール	207004-35-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,4', 5', 6-hexachlorobiphenyl	(+)-2,2',3,4',5',6'-ヘキサクロロビフェニール	207004-36-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,4,5', 6-hexachlorobiphenyl	(+)-2,2',3,4,5',6'-ヘキサクロロビフェニール	228420-06-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
(+) - 2,2', 3,4,4', 5', 6-heptachlorobiphenyl	(+)-2,2',3,4,4',5',6'-ヘプタクロロビフェニール	228420-07-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 2	-							●				●					●
Polychlorinated naphthalenes, all members	ポリ塩化ナフタレン、全て		Prohibited			P																
Naphthalene, chloro derivatives	塩化ナフタレン	70776-03-3	Prohibited	All applications and products	Intentionally added	P	●						●				●					
Naphthalene, trichloro-	トリクロロナフタレン	1321-65-9	Prohibited	All applications and products	Intentionally added	P	●						●				●			●		
Pentachloronaphthalene	ペンタクロロナフタレン	1321-64-8	Prohibited	All applications and products	Intentionally added	P	●						●				●			●		
Polychlorinated terphenyls ( PCT ), all members	ポリ塩化ターフェニル類(PCT)、全て		Prohibited			P																
Terphenyl, chlorinated	塩化ターフェニル(PCT)	61788-33-8	Prohibited	All applications and products	Relative to the weight of component parts and materials 50	P	●	●														
Polycyclic aromatic hydrocarbons (PAH; PCAH), selected	多環芳香族炭化水素 (PAH ; PCAH) 、抜粋		Reduced			D/P																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Anthracene	アントラセン	120-12-7	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	D		●													●	
Benz[a]anthracene	ベンゾ[a]アントラセン	56-55-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	D/P	●	●	●										●		●	
Benz[e]acephenanthrylene	ベンゾ[e]アセフェンアンthren	205-99-2	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	D/P	●		●									●	●		●	
Benzo[a]pyrene	ベンゾ[a]ピレン	50-32-8	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	D/P	●	●	●									●	●		●	
Benzo[e]pyrene	ベンゾ[e]ピレン	192-97-2	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	D/P	●		●										●			
Benzo[ghi]perylene		191-24-2	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	D	●	●														
Benzo[j]fluoranthene	ベンゾ[j]フルオランthen	205-82-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	D/P	●		●										●		●	
Benzo[k]fluoranthene	ベンゾ[k]フルオランthen	207-08-9	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	D/P	●	●	●									●	●		●	
Chrysene	クリセン	218-01-9	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	D/P	●	●	●										●		●	
Dibenz[a,h]anthracene	ジベンゾ[a,h]アントラセン	53-70-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1 for any of the PAHs regulated by REACH Annex XVII	D/P	●		●										●		●	
Fluoranthene		206-44-0	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	D	●	●														
Naphthalene	ナフthalen	91-20-3	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	D																●
Phenanthrene	フェンanthren	85-01-8	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	D	●	●														
Pyrene		129-00-0	Reduced	Rubber and polymers in skin contact	Rubber, Plastic 1	D	●	●														
1,3-Propanesultone		1120-71-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●											●		●	
2-Propanone, reaction products with diphenylamine (PREPOD)		68412-48-6	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	D																
Pyrrolidones, selected	ピロリドン類、抜粋		Prohibited/ Observation			D/P																
1-Methylpyrrolidin-2-one (2-Pyrrolidinone, 1-methyl ) (NMP)	N-メチル-2-ピロリドン	872-50-4	Observation	Leather, paint solvents contained in ink	Leather, paint solvents contained in ink 1,000	D		●	●										●		●	
1-Methylpyrrolidin-2-one (2-Pyrrolidinone, 1-methyl ) (NMP)	N-メチル-2-ピロリドン	872-50-4	Prohibited	Leather, paint solvents contained in ink Textile products, other than clothing, that come into contact with the skin	Textile products, other than clothing, that come into contact with the skin. 3000.	P		●	●										●		●	
N-Ethyl-2-pyrrolidone (NEP)		2687-91-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●			
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC;	塩化ベンジル[C12~16]ジメチルアミン化合物	68424-85-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite		71011-24-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with hectorite		71011-26-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides;	塩化ビス(水素化牛脂)ジメチルアミン化合物	61789-80-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite		68953-58-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	塩化ジココアルキルジメチルアミン化合物	61789-77-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
quinoline	キノリン	91-22-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●			
Resin acids and Rosin acids, calcium salts		9007-13-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Resin acids and Rosin acids, sodium salts		61790-51-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol	水添四アクリトールのエステル	64365-17-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Resin acids and Rosin acids, hydrogenated, esters with glycerol	水素化四アクリトールとグリセロールのエステル	65997-13-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Resin acids and Rosin acids, hydrogenated, methyl esters		8050-15-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Radioactive substances (including scrap metal contaminants), all members	放射性物質（金属くずの汚染物質を含む）、全て		Prohibited			D																
Plutonium	プルトニウム	7440-07-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	D																
Radium	ラジウム	7440-14-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	D																
Thorium	トリウム	7440-29-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	D	●															
Thorium Dioxide	二酸化トリウム	1314-20-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	D															●	
Uranium	ウラン	7440-61-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	D	●															
Uranium Compounds		-	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	D								●							●	
Radon	ラドン	10043-92-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	-	●															
Americium-241		14596-10-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	-	●															
Cesium-137		10045-97-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	-	●															
Strontium-90		10098-97-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Use at background level or higher is prohibited	-	●															
Selenium and its compounds, all members	セレンおよびその化合物、全て		Observation			D/P																
Arsenic selenide (As <sub>2</sub> Se <sub>3</sub> )	三セレン化二砒素	1303-36-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●														
Barium selenite	亜セレン酸バリウム	13718-59-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Beryllium selenide (BeSe)	セレン化ベリリウム (BeSe)	12232-25-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
Bis(ethylselenyl)diiron tetranitrosyl (6Cl)		15025-89-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																
C.I. Pigment Orange 20 (Cadmium sulfoselenide orange)	ヒメジウムオレンジ 20	12656-57-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	P		●														
C.I. Pigment Red 108 Cadmium sulfoselenide red	ヒメジウム赤	58339-34-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	P		●														
Cadmium selenide (CdSe)	セレン化ヒメジウム	1306-24-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム、アルミニウムと銅ドーピング塗料	101357-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム銅とマンガントーピング塗料	101357-01-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム、ユーロピウムドーピング塗料	101357-02-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウム金とマンガントーピング塗料	101357-03-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped	亜硫酸カドミウム、亜セレン酸亜鉛、亜硫酸亜鉛混合物の固溶体中の亜セレン酸カドミウムマンガントーピング塗料	101357-04-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide sulfide (Cd(Se,S))	硫化セレンカドミウム	12626-36-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	P			●														
Cadmium selenide sulfide (Cd2SeS)	硫化セレンカドミウム	12214-12-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide sulfide (CdSe0.53S0.47)	硫化セレンカドミウム (CdSe0.53S0.47)	71243-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide sulfide, (Cd2SeS)	硫化セレンカドミウム, (Cd2SeS)	12213-70-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cadmium selenide sulphide	硫化セレンカドミウム	11112-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Cobalt selenide (CoSe)	セレンコバルト	1307-99-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Cobalt(2+) selenite	亜セレン酸コバルト	10026-23-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Dimethylselenide		593-79-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Hydrogen selenide	セレン化水素	7783-07-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Iron selenide	セレン化鉄	1310-32-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Lead selenate	セレン酸鉛(Ⅱ)	7446-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Lead selenide (PbSe)	セレン化鉛(Ⅱ)	12069-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	P	●		●														
Lead selenite	亜セレン酸鉛	7488-51-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Mercury selenide (HgSe)	セレン化水銀(Ⅱ)	20601-83-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P																	
Nickel selenate	セレン酸ニッケル(Ⅱ)	15060-62-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D			●										●				
Nickel selenide	セレン化ニッケル(Ⅱ)	1314-05-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D			●										●				
Nickel(2+) selenite	セレン酸ニッケル(Ⅱ)	10101-96-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D			●										●				
Selenic acid	セレン酸	7783-08-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Selenic acid, cadmium salt (1:1)	セレン酸カドミウム	13814-62-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														
Selenic acid, cobalt(2+) salt (1:1)	セレン酸コバルト(Ⅱ)	14590-19-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Selenious acid	亜セレン酸	7783-00-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Selenious acid, cadmium salt (1:1)	亜セレン酸カドミウム(1:1)	13814-59-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P			●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulation s, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Selenium	セレン	7782-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Selenium dioxide	二酸化セレン	7446-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Selenium hexafluoride	六フ化セレン(VI)	7783-79-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Selenium oxide	二酸化セレン	12640-89-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Selenium sulfide		7446-34-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	●
Sodium-selenite		10102-18-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Thallium selenide (Tl2Se)	セレン化チリウム( I )	15572-25-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Thallium(I) selenide	セレン化チリウム( I )	12039-52-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Zinc selenide	セレン化亜鉛	1315-09-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Silica, crystalline	結晶性シリカ	14808-60-7	Observation	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials 1000	D																	
Sodium azide	アゾ化ナトリウム	26628-22-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Styrene ( Vinyl benzene )	スチレン (ビニルベンゼン)	100-42-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	●
Styrene oxide (Epoxy styrene)	酸化スチレン(エポキシスチレン)	96-09-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●				●
Sulfonic acids, C10-18-alkane, phenyl esters		70775-94-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Sulfonic acids, petroleum, calcium salts, overbased		68783-96-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Sulfonic acids, petroleum, barium salts		61790-48-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Sulfonic acids, petroleum, calcium salts		61789-86-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Sulfonic acids, petroleum, magnesium salts		61789-87-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Sulfonic acids, petroleum, sodium salts		68608-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
4,4'-sulphonylbis[2,6-dibromophenol],Tetrabromobisphenol S, (TBBPS)		39635-79-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●																
Sulfur hexafluoride	六フ化硫黄	2551-62-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D/P	●																
Tall Oil		8002-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Tall oil pitch		8016-81-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Terphenyl, hydrogenated		61788-32-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●	●							●								
1,4-dicyclohexylbenzene		1087-02-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																	●
1,1'-Biphenyl, 3-cyclohexyl-		1973-15-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																	●



5. List of NSK Environmentally Harmful Substances (details)

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S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate		255881-94-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●																
Trimethylphosphate	トリメチルリン酸	512-56-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	●	
Triorganotin compounds, all members	トリ有機スズ化合物、全て		Prohibited			P																		
(2-BIPHENYLOXY)TRIBUTYLTIN	(2-ビフェニルオキシ)トリブチルスズ	3644-37-9	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
(Chloroacetoxy)triphenylstannane	[(クロロアセトキシ)トリフェニル]スズ	7094-94-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
[1R-(1.alpha.,4a.beta.,4b.alpha.,10a.alpha.)]-Tributy[[[1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthryl]carbonyloxy]stannane	トリブチルスズ = 1,2,3,4,4a,4b,5,6,10,10a-デカヒドロ-7-イソプロピル-1,4a-ジメチル-1-フェナンチルカルボニルオキシスズ	26239-64-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
1,3,5-TRIS(TRIBUTYLTIN)-S-TRIAZINE-2,4,6-TRIONE	1,3, 5-トリブチルスズ)-S-トリアジン-2,4, 6-トリアゾニオン	752-58-9	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
2-BUTENOIC ACID, 4-OXO-4-[(TRIBUTYLSTANNYL)OXY]-	4-オキソ-4-トリブチルスズカルボニルオキシ-2-ブテン酸	4027-18-3	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
BIS(TRIBUTYLTIN) ITACONATE	ビス(トリブチルスズ)イタコン酸	25711-26-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Bis(tributyltin)oxide	ビス(トリブチルスズ)オキサイド	56-35-9	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P	●	●				●								●				
Bis(tris(2-methyl-2-phenylpropyl)tin) oxide		13356-08-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Bis(tributyltin) maleate	ビス(トリブチルスズ)マレート	14275-57-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Bis(tributyltin)phthalate	ビス(トリブチルスズ)フタル酸	4782-29-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Bis(tributylstannyl)Fumarate	ビス(トリブチルスズ)フマレート	6454-35-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Bromotrimethylstannane	トリメチルスズブロミド	1066-44-0	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
P-NITROPHENOXYTRIBUTYLTIN	p-ニトロフェノキシトリブチルスズ	3644-32-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Stannane, acetoxyltriphenyl-	トリフェニルスズアセト	900-95-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Stannane, bromotriethyl-	トリエチルスズブロミド	2767-54-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Stannane, fluorotriphenyl-	トリフェニルスズフルオライド	379-52-2	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Stannane, tributylfluoro-	トリブチルスズフルオライド	1983-10-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Tributyl(lauroyloxy)stannane	トリブチルスズラウロイルオキシ	3090-36-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Tributyl(neodecanoyloxy)stannane	トリブチルスズネオデカンイルオキシ	28801-69-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyl(oleoyloxy)stannane	トリブチルスズ[1-オレイル-9Z-オクタデセンイル]オキシ	3090-35-5	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		

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Tributyltin	トリブチルスズ	56573-85-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin (and salts and esters)	水素化トリブチルスズ	688-73-3	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin .alpha.-(2,4,5-trichlorophenoxy) propionate	α-(2,4,5-トリクロロフェノキシ)プロピオン酸トリブチルスズ	73940-89-3	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin .beta.-iodopropionate	β-ヨウ化プロピオン酸トリブチルスズ	73927-95-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
TRIBUTYL TIN 2-ETHYLHEXANOATE	2-エチルヘキサノ酸トリブチルスズ	5035-67-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin acetate	トリブチルスズ酢酸エステル	56-36-0	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
Tributyltin Acrylate	酢酸トリブチルスズアクリレート	13331-52-7	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin benzoate	トリブチルスズ安息香酸エステル	4342-36-3	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin bromide	トリブチルスズ臭化スズ	1461-23-0	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin chloride	トリブチルスズ塩化スズ	1461-22-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●											
TRIBUTYL TIN CHLOROACETATE	塩化酢酸トリブチルスズ	5847-52-9	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin cinnamate	トリブチルスズ[1-(3-フェニル-2-プロパノイル)エチン]酸エステル	27147-18-8	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
TRIBUTYL TIN CYANATE	シアノ酸トリブチルスズ	4027-17-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
TRIBUTYL TIN CYANIDE	トリブチルスズシアニド	2179-92-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin dimethyldithiocarbamate	ジメチルジチオカルバメートトリブチルスズ	20369-63-5	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
TRIBUTYL TIN GAMMA-CHLOROBUTYRATE	γ-クロロブチレートトリブチルスズ	33550-22-0	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin hydroxide	水酸化トリブチルスズ	1067-97-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin iodide	トリブチルスズヨウ化スズ	7342-47-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin iodoacetate	ヨウ化酢酸トリブチルスズ	73927-91-0	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin isooctylthioacetate	イソオクチルチオ酢酸トリブチルスズ	73927-97-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
TRIBUTYL TIN ISOPROPYLSUCCINATE	イソプロピルサクシネートトリブチルスズ	53404-82-3	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin isothiocyanate	イソチオシアネートトリブチルスズ	681-99-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		
Tributyltin linoleate	リノール酸トリブチルスズ	24124-25-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p pm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tributyltin methacrylate	メタクリル酸トリブチルスズ	2155-70-6	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●								●	
TRIBUTYL TIN METHANESULPHONATE	メタンスルホン酸トリブチルスズ	13302-06-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tributyltin methoxide	トリブチルスズメトキシド	1067-52-3	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tributyltin monopropylene glycol maleate	アジピン酸モノプロピレングリコールトリブチルスズマレイン酸塩	53466-85-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
TRIBUTYL TIN NAPHTHENATE	ナフテン酸トリブチルスズ	36631-23-9	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tributyltin naphthenate	ナフテン酸トリブチルスズ	85409-17-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P	●						●									
Tributyltin nonanoate	ノナン酸トリブチルスズ	4027-14-9	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
TRIBUTYL TIN O-iodobenzoate	o-ヨード安息香酸トリブチルスズ	73927-93-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
TRIBUTYL TIN P-iodobenzoate	p-ヨード安息香酸トリブチルスズ	73940-88-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tributyltin sulfamate	スルファミン酸トリブチルスズ	6517-25-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●									
TRIBUTYL TIN UNDECYLENATE	ウンデシレン酸トリブチルスズ	69226-47-7	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
1-(Tricyclohexylstannyl)-1H-1,2,4-triazole		41083-11-8	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Triethyltin acetate	酢酸トリエチルスズ	1907-13-7	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Triethyltin chloride	塩化トリエチルスズ	994-31-0	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Triethyltin hydroxide	水酸化トリエチルスズ	994-32-1	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Triethyltin iodide	ヨウ化トリエチルスズ	2943-86-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Triethyltin phenoxide	トリエチルスズフェノキシド	1529-30-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Trimethyltin acetate	酢酸トリメチルスズ	1118-14-5	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Trimethyltin azide	アジ化トリメチルスズ	1118-03-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Trimethyltin chloride	塩化トリメチルスズ	1066-45-1	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Trimethyltin hydroxide	水酸化トリメチルスズ	56-24-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Trimethyltin iodide	ヨウ化トリメチルスズ	811-73-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Trimethyltin sulphate	硫酸トリメチルスズ	63869-87-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																

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Trimethyltin thiocyanate	チメチルチオシアン酸トリメチルチン	4638-25-9	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tri-n-butyl tin salicylate	トリ-n-ブチルチンサリチル酸塩	4342-30-7	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Triphenylstannyl decanoate	トリフェニルスタニールデカノエート	47672-31-1	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●									
Triphenyl tin chloride	トリフェニルチン塩化	639-58-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●									
Triphenyltin dimethyldithiocarbamate	トリフェニルチンジメチルジチオカルバマート	1803-12-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●									
Triphenyltin hydride	水素化トリフェニルチン	892-20-6	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Triphenyltin hydroxide	水酸化トリフェニルチン	76-87-9	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	P	●						●								●	
Triphenyltin iodide	ヨウ化トリフェニルチン	894-09-7	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tripropyltin acetate	酢酸トリプロピルチン	3267-78-5	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tripropyltin bromide	臭化トリプロピルチン	2767-61-5	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tripropyltin chloride	クロロ(トリプロピル)チン	2279-76-7	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tripropyltin iodide	ヨウ化トリプロピルチン	7342-45-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tripropyltin iodoacetate	ヨウ化酢酸トリプロピルチン	73927-92-1	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tripropyltin laurate	乳酸トリプロピルチン	57808-37-4	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tripropyltin methacrylate	メタクリル酸トリプロピルチン	4154-35-2	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P																
Tricyclohexyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	
Triethyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	
Trihexyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	
Trimethyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	
Trioctyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	
Tripentyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	
Triphenyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	
Tripropyl Tin Compounds		-	Prohibited	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	P															●	

5. List of NSK Environmentally Harmful Substances (details)

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Triphenyltin fattyacid((9-11)salt)		18380-71-7	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	-	●						●										
Triphenyltin fattyacid((9-11)salt)		18380-72-8	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	-	●						●										
Triphenyltin fattyacid((9-11)salt)		94850-90-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	-	●						●										
Bis(tributyltin)2,3-dibromosuccinate	ビス(トリブチルチン)2,3-ジブロムスルシネート	31732-71-5	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	-	●						●										
Copolymer of alkyl(c=8) acrylate,methyl methacrylate and tributyltin methacrylate	アクリル系=メタクリレート、メチルメタクリレート、およびトリブチルチンメタクリレートの共重合体(アクリル系C=8)	67772-01-4	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	-	●						●										
Tributyltinchloride		7342-38-3	Prohibited	All applications and products	Intentionally added Impurity: relative to the weight of component parts and materials Tin concentration 1000	-	●																
Bis(tributan-1-ylstannyl) but-2-enedioate		24291-45-0	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	-							●										
Bis(tributan-1-ylstannyl) 2,3-dibromosuccinate		56323-17-2	Observation	All applications and products	Relative to the weight of component parts and materials Tin concentration 1000	-							●										
Triphenylphosphate	トリフェニルリン酸	115-86-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione		2451-62-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●											●				
Tris(1,3-dichloro-2-propyl)phosphate	トリ(1,3-ジクロロ-2-プロピル)リン酸	13674-87-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D	●															●	
Tris-(1-aziridinyl) phosphine oxide	トリス-(1-アジリジン)リン酸オキシド	545-55-1	Prohibited	Textile products in contact with skin	Relative to the weight of component parts and materials 1000	P			●														
Tris(2-chloro-1-methylethyl) phosphate	トリ(2-クロロ-1-メチルエチル)リン酸	13674-84-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	D	●																
Tris(2,3-dibromopropyl)phosphate (TRIS)	トリ(2,3-ジブロムプロピル)リン酸 (TRIS)	126-72-7	Prohibited	Textile products in contact with skin	Relative to the weight of component parts and materials 1000	P			●													●	
Tris(2-chloroethyl)phosphate	トリ(2-クロロエチル)リン酸	115-96-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●		●								●				●	
Tris(2-ethylhexyl)-benzene-1,2,4-tricarboxylate		3319-31-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Tris(methylphenyl) phosphate		1330-78-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Tris(nonylphenyl) phosphite (TNPP)		26523-78-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D		●															
Trixylyl phosphate	トリキシルリン酸	25155-23-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	D/P	●	●		●								●					
UVCB-Diamines, all members	UVCB 物質、全て		Observation			D																	
Amines, N-C16-18-alkyl (evennumbered) propane-1,3-diamine		133779-11-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Vanadium pentoxide (orthorhombic crystalline form)		1314-62-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D													●			●	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)		4259-15-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	D																	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●								●							●	

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Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●														●	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(16) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●														●	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(17) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls] in combination with antimony compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●														●	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●														●	
Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]		-	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●														●	
Poly(2,6-dibromo-phenylene oxide)	ポリ(2,6-ジブロムフェニレンオキサイド)	69882-11-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tetra-decaboro-diphenoxy-benzene		58965-66-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA, unspecified		30496-13-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA-TBBA-diglycidyl-ether oligomer		70682-74-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA carbonate oligomer	TBBA(炭酸樹脂)	28906-13-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA carbonate oligomer, phenoxy end capped		94334-64-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA carbonate oligomer, 2,4,6-tribromophenol terminated		71342-77-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA-bisphenol A-phosgene polymer		32844-27-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Brominated epoxy resin end-capped with tribromophenol	臭素化トリブロムフェニルエポキシ樹脂	139638-58-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Brominated epoxy resin end-capped with tribromophenol	臭素化トリブロムフェニルエポキシ樹脂	135229-48-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA bis-(2-hydroxy-ethyl-ether)		4162-45-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA-bis-(allyl-ether)		25327-89-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBBA-dimethyl-ether		37853-61-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															

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TBBS-bis-(2,3-dibromo-propyl-ether)		42757-55-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
2,4-Dibromo-phenol		615-58-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
2,4,6-tribromo-phenol		118-79-6	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Pentabromo-phenol		608-71-9	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
2,4,6-Tribromo-phenyl-allyl-ether		3278-89-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tribromo-phenyl-allyl-ether, unspecified		26762-91-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Bis(methyl)tetrabromo-phthalate		55481-60-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP		20566-35-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
TBPA, glycol-and propylene-oxide esters		75790-69-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)		52907-07-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
2,3-Dibromo-2-butene-1,4-diol	2,3-ジブロムエチン-2-ジブromo-1,4-ジオール	3234-02-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Dibromo-neopentyl-glycol		3296-90-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●	●											●		●	
Tribromo-neopentyl-alcohol		36483-57-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●	●											●			
Poly tribromo-styrene		57137-10-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tribromo-styrene		61368-34-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Dibromo-styrene grafted PP		171091-06-8	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Poly-dibromo-styrene		31780-26-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Bromo-/Chloro-paraffins		68955-41-9	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Bromo-/Chloro-alpha-olefin		82600-56-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Vinylbromide		593-60-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●												●		●	
Tris-(2,3-dibromo-propyl)-isocyanurate		52434-90-9	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tris(2,4-Dibromo-phenyl) phosphate		49690-63-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tris(tribromo-neopentyl) phosphate		19186-97-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Chlorinated and brominated phosphate ester	塩素化、臭素化リン酸エステル	125997-20-8	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Pentabromo-toluene		87-83-2	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Pentabromo-benzyl bromide		38521-51-6	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
1,3-Butadiene homopolymer,brominated	臭素化1,3-ブタジエンホモポリマー	68441-46-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Pentabromo-benzyl-acrylate, monomer		59447-55-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Pentabromo-benzyl-acrylate, polymer		59447-57-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tribromo-bisphenyl-maleinimide		59789-51-4	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Octabromo-1,1,3-trimethyl-1-phenylindane (FR-1808)		155613-93-7	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tetrabromo-cyclo-octane		31454-48-5	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
1,2-Dibromo-4-(1,2 dibromo-ethyl)-cyclo-hexane		3322-93-8	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tetrabromophthalic acid Na salt		25357-79-3	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Tetrabromo phthalic anhydride		632-79-1	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															
Aluminosilicate Refractory Ceramic Fibres		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●						●								●
Zirconia Aluminosilicate Refractory Ceramic Fibres		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●						●								●
Bis(2-methoxyethyl) ether		111-96-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-	●	●	●										●			
Tris(2,3-dichloro-1-propyl)phosphate		66108-37-0	Observation	All applications and products	With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	-	●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)		112-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●											●			
Pyrochlore, antimony lead yellow		8012-00-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-	●	●	●													
1,2-diethoxyethane		629-14-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Silicic acid (H2SiO5), barium salt (1:1), lead-doped		68784-75-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-	●	●	●													
N-pentyl-isopentylphthalate		776297-69-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-	●	●		●												
Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●		●				●								●
2,2-bis(4'-hydroxyphenyl)-4-methylpentane		6807-17-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●												●		
Phenol, 4-nonyl-, phosphite		3050-88-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Phenol, p-isononyl-, phosphite		31631-13-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Phenol, p-sec-nonyl-, phosphite		106599-06-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Diisohexyl phthalate		71850-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●												●		
1,2,4,5,7,8-Hexachloronaphthalene	1,2,4,5,7,8-ヘキサクロロナフタレン	103426-92-2	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,4,5,8-Hexachloronaphthalene	1,2,3,4,5,8-ヘキサクロロナフタレン	103426-93-3	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,5,7,8-Hexachloronaphthalene	1,2,3,5,7,8-ヘキサクロロナフタレン	103426-94-4	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,5,6,8-Hexachloronaphthalene	1,2,3,5,6,8-ヘキサクロロナフタレン	103426-95-5	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,4,6,7-Hexachloronaphthalene	1,2,3,4,6,7-ヘキサクロロナフタレン	103426-96-6	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,5,6,7-Hexachloronaphthalene	1,2,3,5,6,7-ヘキサクロロナフタレン	103426-97-7	Prohibited	All applications and products	Intentionally added	-	●						●								●	
Hexachloronaphthalene	ヘキサクロロナフタレン	1335-87-1	Prohibited	All applications and products	Intentionally added	-	●						●								●	
Tetrachloronaphthalene	テトラクロロナフタレン	1335-88-2	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,6-Tetrachloronaphthalene	1,2,3,6-テトラクロロナフタレン	149864-78-8	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,6,7-Tetrachloronaphthalene	1,2,6,7-テトラクロロナフタレン	149864-79-9	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,5,8-Tetrachloronaphthalene	1,2,5,8-テトラクロロナフタレン	149864-80-2	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,8-Tetrachloronaphthalene	1,2,3,8-テトラクロロナフタレン	149864-81-3	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,7,8-Tetrachloronaphthalene	1,2,7,8-テトラクロロナフタレン	149864-82-4	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,7,8-Pentachloronaphthalene	1,2,3,7,8-ヘキサクロロナフタレン	150205-21-3	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,3,6,8-Tetrachloronaphthalene	1,3,6,8-テトラクロロナフタレン	150224-15-0	Prohibited	All applications and products	Intentionally added	-	●						●								●	
1,2,3,6,7-Pentachloronaphthalene	1,2,3,6,7-ヘキサクロロナフタレン	150224-16-1	Prohibited	All applications and products	Intentionally added	-	●						●								●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
1,2,4,6,7-Pentachloronaphthalene	1,2,4,6,7-ペントクロロナフthalen	150224-17-2	Prohibited	All applications and products	Intentionally added	-	●					●								●			
1,2,3,5,6-Pentachloronaphthalene	1,2,3,5,6-ペントクロロナフthalen	150224-18-3	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,5,7-Pentachloronaphthalene	1,2,4,5,7-ペントクロロナフthalen	150224-19-4	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,5,6-Pentachloronaphthalene	1,2,4,5,6-ペントクロロナフthalen	150224-20-7	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,7,8-Pentachloronaphthalene	1,2,4,7,8-ペントクロロナフthalen	150224-21-8	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,6,8-Pentachloronaphthalene	1,2,4,6,8-ペントクロロナフthalen	150224-22-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,6,8-Pentachloronaphthalene	1,2,3,6,8-ペントクロロナフthalen	150224-23-0	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,5,8-Pentachloronaphthalene	1,2,3,5,8-ペントクロロナフthalen	150224-24-1	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,5,8-Pentachloronaphthalene	1,2,4,5,8-ペントクロロナフthalen	150224-25-2	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,6,7,8-Hexachloronaphthalene	1,2,3,6,7,8-ヘキサクロロナフthalen	17062-87-2	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,5-Dichloronaphthalene	1,5-ジクロロナフthalen	1825-30-5	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,4-Dichloronaphthalene	1,4-ジクロロナフthalen	1825-31-6	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,4-Tetrachloronaphthalene	1,2,3,4-テトラクロロナフthalen	20020-02-4	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2-Dichloronaphthalene	1,2-ジクロロナフthalen	2050-69-3	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,6-Dichloronaphthalene	1,6-ジクロロナフthalen	2050-72-8	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,7-Dichloronaphthalene	1,7-ジクロロナフthalen	2050-73-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,8-Dichloronaphthalene	1,8-ジクロロナフthalen	2050-74-0	Prohibited	All applications and products	Intentionally added	-	●					●									●		
2,3-Dichloronaphthalene	2,3-ジクロロナフthalen	2050-75-1	Prohibited	All applications and products	Intentionally added	-	●					●									●		
2,6-Dichloronaphthalene	2,6-ジクロロナフthalen	2065-70-5	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3-Dichloronaphthalene	1,3-ジクロロナフthalen	2198-75-6	Prohibited	All applications and products	Intentionally added	-	●					●									●		
2,7-Dichloronaphthalene	2,7-ジクロロナフthalen	2198-77-8	Prohibited	All applications and products	Intentionally added	-	●					●									●		
Perchloronaphthalene		2234-13-1	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,4,6-Trichloronaphthalene	1,4,6-トリクロロナフthalen	2437-54-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,4,5-Trichloronaphthalene	1,3,5-トリクロロナフthalen	2437-55-0	Prohibited	All applications and products	Intentionally added	-	●					●									●		
Chloronaphthalene		25586-43-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●																
Dichloronaphthalene		28699-88-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3,5,8-Tetrachloronaphthalene	1,3,5,8-テトラクロロナフthalen	31604-28-1	Prohibited	All applications and products	Intentionally added	-	●					●									●		
Heptachloronaphthalene	ヘプタクロロナフthalen	32241-08-0	Prohibited	All applications and products	Intentionally added	-	●					●									●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,4,5,8-Tetrachloronaphthalene	1,4,5,8-テトラクロロナフthalen	3432-57-3	Prohibited	All applications and products	Intentionally added	-	●					●								●			
2,3,6,7-Tetrachloronaphthalene	2,3,6,7-テトラクロロナフthalen	34588-40-4	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4-Trichloronaphthalene	1,2,4-トリクロロナフthalen	50402-51-2	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3-Trichloronaphthalene	1,2,3-トリクロロナフthalen	50402-52-3	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3,5-Trichloronaphthalene	1,3,5-トリクロロナフthalen	51570-43-5	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,6-Trichloronaphthalene	1,3,6-トリクロロナフthalen	51570-44-6	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,6-Tetrachloronaphthalene	1,2,4,6-テトラクロロナフthalen	51570-45-7	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,5-Tetrachloronaphthalene	1,2,3,5-テトラクロロナフthalen	53555-63-8	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3,5,7-Tetrachloronaphthalene	1,2,5,7-テトラクロロナフthalen	53555-64-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,5,7-Pentachloronaphthalene	1,2,3,5,7-ペンタクロロナフthalen	53555-65-0	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,5-Trichloronaphthalene	1,2,5-トリクロロナフthalen	55720-33-7	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,7-Trichloronaphthalene	1,2,7-トリクロロナフthalen	55720-34-8	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,8-Trichloronaphthalene	1,2,8-トリクロロナフthalen	55720-35-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3,6-Trichloronaphthalene	1,3,6-トリクロロナフthalen	55720-36-0	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3,7-Trichloronaphthalene	1,3,7-トリクロロナフthalen	55720-37-1	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3,8-Trichloronaphthalene	1,3,8-トリクロロナフthalen	55720-38-2	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,6,7-Trichloronaphthalene	1,6,7-トリクロロナフthalen	55720-39-3	Prohibited	All applications and products	Intentionally added	-	●					●									●		
2,3,6-Trichloronaphthalene	2,3,6-トリクロロナフthalen	55720-40-6	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,7-Tetrachloronaphthalene	1,2,3,7-テトラクロロナフthalen	55720-41-7	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,3,6,7-Tetrachloronaphthalene	1,3,6,7-テトラクロロナフthalen	55720-42-8	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,4,6,7-Tetrachloronaphthalene	1,4,6,7-テトラクロロナフthalen	55720-43-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,4,5,6,7-Heptachloronaphthalene	1,2,3,4,5,6,7-ヘプタクロロナフthalen	58863-14-2	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,4,5,6,8-Heptachloronaphthalene	1,2,3,4,5,6,8-ヘプタクロロナフthalen	58863-15-3	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,4,5,6-Hexachloronaphthalene	1,2,3,4,5,6-ヘキサクロロナフthalen	58877-88-6	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,8-Tetrachloronaphthalene	1,2,4,8-テトラクロロナフthalen	6529-87-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,5-Tetrachloronaphthalene	1,2,4,5-テトラクロロナフthalen	6733-54-6	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,4,7-Tetrachloronaphthalene	1,2,4,7-テトラクロロナフthalen	67922-21-8	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,5,6-Tetrachloronaphthalene	1,2,5,6-テトラクロロナフthalen	67922-22-9	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,5,7-Tetrachloronaphthalene	1,2,5,7-テトラクロロナフthalen	67922-23-0	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,6,8-Tetrachloronaphthalene	1,2,6,8-テトラクロロナフthalen	67922-24-1	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,4,5-Pentachloronaphthalene	1,2,3,4,5-ペンタクロロナフthalen	67922-25-2	Prohibited	All applications and products	Intentionally added	-	●					●									●		
1,2,3,4,6-Pentachloronaphthalene	1,2,3,4,6-ペンタクロロナフthalen	67922-26-3	Prohibited	All applications and products	Intentionally added	-	●					●									●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
1,2,3,4,5,7-Hexachloronaphthalene	1,2,3,4,5,7-ヘキサクロロナフタレン	67922-27-4	Prohibited	All applications and products	Intentionally added	-	●					●								●		
1-Chloronaphthalene	1-クロロナフタレン	90-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●															
1,2,4,5,6,8-Hexachloronaphthalene	1,2,4,5,6,8-ヘキサクロロナフタレン	90948-28-0	Prohibited	All applications and products	Intentionally added	-	●					●								●		
2-Chloronaphthalene	2-クロロナフタレン	91-58-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●															
boric acid (H3BO3), sodium salt, hydrate		25747-83-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Boric acid (H3BO3), disodium salt		22454-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Trisodium orthoborate		14312-40-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Boric acid, sodium salt		1333-73-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Orthoboric acid, sodium salt		13840-56-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●											●			
Boric acid (H3BO3), sodium salt (1:1)		14890-53-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Barium diboron tetraoxide		13701-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Isobutyl 4-hydroxybenzoate		4247-02-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide		75980-60-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Phenol, methylstyrenated		68512-30-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●														
Colecalciferol		67-97-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●															
Anthracene oil, anthracene paste	アントラセン油、アントラセンペースト	90640-81-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		
Anthracene oil, anthracene paste, anthracene fraction	アントラセン油、アントラセンペースト、アントラセン留分	91995-15-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		
Anthracene oil, anthracene paste, distn. lights		91995-17-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		
Anthracene oil, anthracene-low	アントラセン油	90640-82-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		
Acids generated from chromium trioxide and their oligomers		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●						●								●
Oligomers of chromic acid and dichromic acid		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●						●								●
Hydrazine	ヒドラジン	7803-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														
1,2-dichloroethane	1,2-ジクロロエタン	107-06-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●											●		●
Formaldehyde, oligomeric reaction products with aniline		25214-70-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
Phenolphthalein	3,3'-ビス(4-ヒドロキシフェニル)-1,3-ジヒドロフタレイン (別名フタレイン)	77-09-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		●
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)		59653-74-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol		561-41-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●													
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)		90-94-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		●
Formamide		75-12-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)		6786-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														
1-bromopropane (n-propyl bromide)		106-94-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●											●		●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		143860-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●			
2-[2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy]ethanol		2315-61-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol		2315-67-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxacosan-1-ol		2497-59-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
4,4'-oxydianiline and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●						●						●	
4-Nonylphenol, branched and linear		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●						●	
cis-cyclohexane-1,2-dicarboxylic anhydride		13149-00-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														
trans-cyclohexane-1,2-dicarboxylic anhydride		14166-21-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														
Diethyl sulphate		64-67-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●		●	
Dimethyl sulphate		77-78-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●		●	
Furan	フuran	110-00-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●		●	
Methoxyacetic acid		625-45-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●			
Nonylphenol, ethoxylated (EO = 4)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●						●						●	
Nonylphenol, ethoxylated (polymer)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●						●						●	
2-[2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy]ethanol		1119449-38-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
Nonylphenol, ethoxylated (EO = 10)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●						●	
3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched		91648-64-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
2-(isononylphenoxy)ethanol		85005-55-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol		1119449-37-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
Nonylphenolpolyglycoether		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●						●						●	
20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxacosan-1-ol		65455-69-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaooxatetracontanol		57321-10-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol		42173-90-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
2-(nonylphenoxy)ethanol		27986-36-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxacosan-1-ol		27177-03-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●						●						●	
4-Nonylphenol, branched and linear, ethoxylated		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●						●	
Monteponite (CdO)		12139-21-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate	過硼酸ナトリウム三水合物	13517-20-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●										●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Perboric acid, sodium salt		11138-47-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●										●			
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)		125022-34-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)		90568-23-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
Sodium perborate		15120-21-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●											●		
Sodium perborate monohydrate		10332-33-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●											●		
Perboric acid (HBO(O2)), sodium salt, tetrahydrate		10486-00-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●											●		
Perboric acid, sodium salt, tetrahydrate ( )		37244-98-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●												●		
Sodium perborate, perboric acid, sodium salt		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●						●	
Sodium peroxometaborate		7632-04-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●											●		
Cadmium sulfate hydrate		15244-35-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●													
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●							●
2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane		117933-89-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-02-5	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-07-0	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-03-6	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-08-1	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-04-7	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel-		343934-05-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-09-2	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel-		343934-04-3	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-05-8	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-		186309-28-4	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●													
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●						●							●
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●						●							●

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-06-9	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●														
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-		●	●						●						●		
Nitrobenzene	ニトロベンゼン	98-95-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●		●		
Perfluorononan-1-oi-c-acid and its sodium and ammonium salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●						●		
4-(5-methylhexan-2-yl)phenol		857629-71-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
Phenol, 4-tert-heptyl-		288864-02-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
Phenol, 4-(1-ethyl-1,2-dimethylpropyl)-		30784-27-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(2,3-dimethylpentan-2-yl)phenol		861011-60-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(2,4-dimethylpentan-3-yl)phenol		1824346-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(5-methylhexyl)phenol		100532-36-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(4-methylhexyl)phenol		1139800-98-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(3-methylhexyl)phenol		102570-52-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(3-ethylpentyl)phenol		911370-98-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(heptan-4-yl)phenol		6465-71-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(heptan-2-yl)phenol		6863-24-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(heptan-3-yl)phenol		6465-74-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(5-methylhexan-3-yl)phenol		854904-92-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(2,2-dimethylpentan-3-yl)phenol		861010-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(3-methylhexan-3-yl)phenol		30784-32-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(4-methylhexan-2-yl)phenol		71945-81-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(4,4-dimethylpentan-2-yl)phenol		911371-07-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(3-methylhexan-2-yl)phenol		854904-93-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(3,3-dimethylpentan-2-yl)phenol		911371-06-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(2-methylhexan-2-yl)phenol		30784-31-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(3-ethylpentan-3-yl)phenol		37872-24-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(2,4-dimethylpentan-2-yl)phenol		33104-11-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-(2,3,3-trimethylbutan-2-yl)phenol		72861-06-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-heptylphenol		1987-50-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
Phenol, heptyl derivs.		72624-02-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-heptylphenol, branched and linear		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●						●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●													●		
p-(1,1-dimethylpropyl)phenol		80-46-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
Perfluorohexane-1-sulphonic acid and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™")		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
Formaldehyde, reaction products with phenol heptyl derivs. and 1,3,4-thiadiazolidine-2,5-dithione		1471311-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●														
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●	●													●	
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one		15087-24-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
tris (4-nonylphenol, branch) phosphorous acid ester		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
Perfluorobutane sulfonic acid (PFBS) and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
1-vinylimidazole		1072-63-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
2-methylimidazole		693-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
Butyl 4-hydroxybenzoate		94-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)		1522-92-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
(2S)-3-(4-tert-butylphenyl)-2-methylpropanal		75166-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
2-(4-tert-butylbenzyl)propionaldehyde		80-54-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
(2R)-3-(4-tert-butylphenyl)-2-methylpropanal		75166-31-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
di-, tri- and tetrachlorotetradecane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●													●		
Medium-chain chlorinated paraffins (MCCP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
Orthoboric acid, sodium salt (group)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●														●	
Phenol, 4-isododecyl-		27147-75-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
Phenol, tetrapropylene-		57427-55-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
4-isododecylphenol		27459-10-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●							●	
(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		852541-25-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		741687-98-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		852541-21-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		852541-30-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		95342-41-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one		1782069-81-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one		36861-47-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●															
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●							●	
tris(2-methoxyethoxy)vinylsilane		1067-53-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●				
N-(hydroxymethyl)acrylamide		924-42-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●											●			●	
reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●							●	
Perfluoroheptanoic acid and its salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●							●	
bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-		●							●							●	
bis(o,a-dimethylbenzyl) peroxide		80-43-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●	●											●				
Chloroethene		75-01-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			●	
o-Nitrobenzaldehyde		552-89-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Soap bark powder (Quillaja saponaria) and its derivatives containing saponines		68990-67-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Ammonium polysulphide		9080-17-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Ammonium sulphide		12135-76-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														
Ammonium hydrogen sulphide		12124-99-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Butyl bromoacetate		18991-98-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Propyl bromoacetate	ブチルブロム酢酸ナトリウム	35223-80-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ethyl bromoacetate	エチルブロム酢酸ナトリウム	105-36-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Methyl bromoacetate	メチルブロム酢酸ナトリウム	96-32-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Creosote oil, high-boiling distillate		70321-79-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Distillates (coal tar), upper; heavy anthracene oil		65996-91-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Distillates (coal tar), naphthalene oils; naphthalene oil		84650-04-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Creosote oil; wash oil		61789-28-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Creosote oil, acenaphthene fraction; wash oil		90640-84-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline		122384-78-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Creosote, wood		8021-39-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Tar acids, coal, crude; crude phenols		65996-85-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●										●			
Chloroform		67-66-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●												●	
1,1,1,2-Tetrachloroethane		79-34-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●												●	
Pentachloroethane	ペンタクロロエタン	76-01-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
1,1-Dichloroethene		75-35-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●												●	
Hexachloroethane	ヘキサクロロエタン	67-72-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●												●	
Trichlorobenzene	トリクロロベンゼン	120-82-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
2-(2-butoxyethoxy)ethanol (DEGBE)		112-34-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Methylenediphenyl diisocyanate (MDI)		26447-40-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
2,4'-Methylenediphenyl diisocyanate		5873-54-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
2,2'-Methylenediphenyl diisocyanate		2536-05-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
4,4'-Methylenediphenyl diisocyanate		101-68-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Cyclohexane	シクロヘキサン	110-82-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Phenylmercury octanoate		13864-38-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
1,4-Dichlorobenzene	1,4-ジクロロベンゼン	106-46-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●												●	
Ammonium chromic sulfate dodecahydrate		10022-47-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium manganese phosphate		15609-81-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium tetrachlorocuprate		15610-76-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium neodymium pentanitrate		15653-40-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Diammonium tetrabromopalladate(2-)		15661-00-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium iron tetrachloride		24411-12-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexabromoosmate(2-)		24598-62-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Acetic acid, ammonium zinc salt		24846-92-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium aquapentachlororuthenate		25461-53-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium bismuth citrate		25530-63-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Triammonium triiron tetracitrate		52336-55-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Triammonium diaquaoctachloro-μ-nitridodiruthenate(3-)		27316-90-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium bis(cyano-C)aurate		31096-40-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium tetrachloroaurate		31113-23-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Citric acid, ammonium bismuth salt		31886-41-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Triammonium tris[carbonato(2-)-O]hydroxyzirconate(3-)		32535-84-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Sulphuric acid, ammonium magnesium salt		20861-69-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium samarium(3+) disulphate		21995-29-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium europium(3+) disulphate		21995-30-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium gadolinium(3+) disulphate		21995-31-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium lanthanum(3+) disulphate		21995-32-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium praseodymium(3+) disulphate		21995-33-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium neodymium(3+) disulphate		21995-34-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ethanedioic acid, ammonium iron(3+) salt (3:3:1), trihydrate		13268-42-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Sulfuric acid, ammonium iron(3+) salt (2:1:1), dodecahydrate		7783-83-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Titanate(2-), bis[ethanedioato(2-)-O,O']oxo-, diammonium, monohydrate, (SP-5-21)-		10580-03-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Struvite [(NH4)Mg(PO4).6H2O]		15490-91-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Vanadate(3-), hexafluoro-, triammonium salt		13815-31-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium tetrathiotungstate [(NH4)2WS4]		13862-78-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Molybdate(2-), tetrathioxo-, diammonium, (T-4)-		15060-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nitric acid, ammonium cerium(4+) salt (6:2:1)		10139-51-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium lanthanum nitrate		10169-00-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium borate		22694-75-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Selenious acid, ammonium salt (2:1)		25425-97-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Boric acid (H3BO3), ammonium salt		27522-09-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Sulfuric acid, ammonium magnesium salt (3:2:2)		27733-50-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
azanium;lanthanum(3+);tetraniolate		31178-09-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Aluminate(2-), difluoro(phosphato(3-)-k O)-, ammonium hydrogen (1:1:1)		11095-65-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ferrate(2-), difluoro(phosphato(3-)-kO)-, ammonium hydrogen (1:1:1)		11095-66-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Vanadate (V100286-), ammonium (1:6)		12208-00-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Cryptohalite		1309-32-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium iron salt, hydrate		1332-98-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Mixtures of a permanganate with an ammonium salt		13446-10-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Sulfuric acid, aluminum ammonium salt (2:1:1), tetracosahydrate		14725-69-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Stannate(1-), trifluoro-, ammonium (9CI)		15660-29-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium cerous sulfate tetrahydrate		10049-02-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Chromate(1-), bis(benzenamine)tetrakis(thiocyanato-N)-, ammonium (9CI)		10380-20-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium paratungstate hexahydrate		12208-54-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium phosphotungstenate, trihydrate		12704-02-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium 12-tungstophosphate		1311-90-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ferrate(3-), hexafluoro-, triammonium salt		13815-28-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Platinate(1-), aminetrichloro-, ammonium, (SP-4-2)-		13820-94-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium hexafluorogallate		14639-94-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Cobalt ammonium complex		14695-95-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Nitric acid, ammonium cerium(3+) salt (5:2:1)		15318-60-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tungstate(2-), dioxodithioxo-, diammonium (9CI)		16150-61-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Triammonium uranyl pentafluoride		12062-03-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Chromate(1-), diamminetetakis(isothiocyanato)-, ammonium, hydrate		19441-09-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ferrate(2-), [N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycinato(3-)]-, ammonium hydrogen		19529-40-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Vitaferro		19864-63-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Sulfuric acid, ammonium cerium(3+) salt (2:1:1)		21995-38-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Arsonic acid, methyl-, monoammonium salt		2321-53-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Carbonic acid, ammoniumplutonium salt (8CI)		24917-46-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Uranic acid, diammonium salt, hydrate		28347-83-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
1-Heptene-1-arsonic acid, 2-chloro-, monoammonium salt		300-88-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Molybdate(2-),tetrafluorodioxo-, diammonium (8Cl,9Cl)		30291-63-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium ferrocyanide trihydrate		32108-79-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium Tetrachloroaluminate, NH4AlCl4		7784-14-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium ferric chromate		7789-08-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Sulfuric acid, ammonium sodium salt, dihydrate		7783-10-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Sulfuric acid, ammonium zinc salt (2:2:1), hexahydrate		7783-24-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Sulfuric acid, ammonium magnesium salt (2:2:1), hexahydrate		7785-18-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium trioxovanadate		7803-55-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Triammonium hexachloroiridate		15752-05-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium hexafluorosilicate		16919-19-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium hexafluorozirconate		16919-31-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexachloroplatinate		16919-58-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexachlorostannate		16960-53-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium hexafluorotitanate		16962-40-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium hexafluorogermanate(4)		16962-47-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Triammonium heptafluorozirconate(3-)		17250-81-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium hexabromoplatinate		17363-02-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetraammonium uranyl tricarbonate, of uranium depleted in uranium-235		18077-77-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexachlororuthenate		18746-63-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexachloropalladate		19168-23-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexakis(thiocyanato)platinate		19372-45-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium oxobis[sulphato(2-)-O]titanate(2-)		19468-86-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Hexaammonium heptamolybdate		12027-67-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Ammonium wolframate		12028-06-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetramanganese nitride		12033-07-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexachlororhenate		12051-87-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Tetraammonium disodium vanadate		12055-09-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													
Diammonium hexachloroosmate		12125-08-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-			●													

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Ammonium trivanadium octaoxide		12207-63-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium tetratungsten tridecaoxide		12398-61-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Tetraammonium hexamolybdate		12411-64-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium molybdate(VI)		13106-76-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium tetraoxotellurate		13453-06-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium chromium bis(sulphate)		13548-43-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium lanthanum pentanitrate		13566-21-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium manganese bis(sulphate)		13566-22-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium diamminetetraakis(thiocyanato-N)chromate(1-)		13573-16-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium copper(2+) disulphate		13587-25-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium perrhenate		13598-65-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium gadolinium pentanitrate		13628-49-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium calcium trinitrate		13780-11-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium zinc disulphate		13814-87-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium tetrachloropalladate		13820-40-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium tetrachloroplatinate		13820-41-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium pentachloronitrosylruthenate		13820-58-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Bis(acetato-O)diamminecopper		13822-80-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium tetrafluoroborate		13826-83-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Sulphuric acid, ammonium cerium salt		13840-04-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium pentafluorozirconate(1-)		13859-62-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium sodium sulphate		13863-45-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Triammonium trioxalatoferrate		14221-47-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Triammonium hexacyanoferrate		14221-48-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Tetraammonium hexacyanoferrate		14481-29-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Ammonium iron tartrate		14635-18-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium cerium(4+) trisulphate		14638-69-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Diammonium tetrachlorozincate(2-)		14639-97-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Triammonium pentachlorozincate(3-)		14639-98-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Diammonium magnesium bis(sulphate)		14727-95-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium scandium(3+) disulphate		15091-94-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Nitric acid, ammonium calcium salt		15245-12-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium trifluorohydroxyborate(1-)		15283-48-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Triammonium hexachlororhodate		15336-18-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Diammonium yttrium pentanitrate		15552-06-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Triammonium iron(3+) trioxalate		2944-67-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Diammonium tetracyanoplatinate		562-79-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium potassium tartrate		1114-14-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium iron(III) citrate		1185-57-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Diammonium iron bis(sulphate)		10045-89-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium iron phosphate		10101-60-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium iron bis(sulphate)		10138-04-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Diammonium dioxalato(oxo)titanate		10580-02-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium wolframate		11120-25-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Diammonium tetraborate		12007-58-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium bismuth(3+) 2-hydroxypropane-1,2,3-tricarboxylate(2:1:1)		6591-52-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Tetraammonium cerium tetrakis(sulphate)		7637-03-8	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium selenite		7783-19-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Ammonium selenate		7783-21-3	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Diammonium diuranium heptaoxide		7783-22-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Triammonium hexafluoroaluminate		7784-19-2	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
Aluminium ammonium bis(sulphate)		7784-25-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
m-tolylidene diisocyanate		26471-62-5	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														●	
1,3-bis(isocyanatomethyl)benzene		3634-83-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate		4098-71-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															
2-methyl-m-phenylene diisocyanate		91-08-7	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●															

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate		91-97-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
1,3-bis(1-isocyanato-1-methylethyl)benzene		2778-42-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
1,5-naphthylene diisocyanate		3173-72-6	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
4-methyl-m-phenylene diisocyanate		584-84-9	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Hexamethylene diisocyanate		822-06-0	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
2,4,6-triisopropyl-m-phenylene diisocyanate		2162-73-4	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
4,4'-methylenedicyclohexyl diisocyanate		5124-30-1	Observation	All applications and products	Follow the REACH Restriction list (annex XVII)	-		●														
Nonylphenol, ethoxylated (10-EO)		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-			●					●							●	
Nonylphenol, ethoxylated (8-EO)		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-			●					●							●	
Nonylphenol, ethoxylated (6,5-EO)		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-			●					●							●	
Poly(oxy-1,2-ethanediyl), o-(nonylphenyl)-ω-hydroxy-, branched		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-			●					●							●	
Nonylphenol, ethoxylated (15-EO)		-	Prohibited	All applications and products (If the Product contains prohibited substances, please consult NSK.)	Relative to the weight of component parts and materials 1000	-			●					●							●	
Aldrin	アリン	309-00-2	Prohibited	All applications and products	Intentionally added	-							●				●				●	
6- (1R, 2S, 3S, 6R, 7R, 8S, 9S, 11R) - 3,4,5,6,13,13-hexachloro-10-oxapentacyclo [6.3.1.1 (3,6) .0 (2, 7) .0 (9, 11)] tridec-4-ene		60-57-1	Prohibited	All applications and products	Intentionally added	-							●				●				●	
1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a, 5,6,7,8,8a-octahydro-1,4: 5,8-dimethanonaphthalene		128-10-9	Prohibited	All applications and products	Intentionally added	-							●				●				●	
6- (1R, 2R, 3R, 6S, 7S, 8S, 9S, 11R) - 3,4,5,6,13,13-hexachloro-10-oxapentacyclo [6.3.1.1 (3, 6) .0 (2, 7) .0 (9, 11)] tridec-4-ene		72-20-8	Prohibited	All applications and products	Intentionally added	-							●				●				●	
1,1,1-trichloro-2,2-bis (4-chlorophenyl) ethane (DDT)		50-29-3	Prohibited	All applications and products	Intentionally added	-							●				●		●		●	
1,3,4,7,8,9,10,10-octachlorotricyclo [5.2.1.0 (2,6)] deca-8-ene		57-74-9	Prohibited	All applications and products	Intentionally added	-							●				●				●	
1,5,7,8,9,10,10-heptachlorotricyclo [5.2.1.0 (2,6)] deca-3,8-diene		76-44-8	Prohibited	All applications and products	Intentionally added	-							●				●				●	
octachlorotricyclo [5.2.1.0 (2,6)] deca-8- (1, 2S, 3R, 4S, 6S, 7S) -1,3,4,7,8,9,10,10-En		5103-71-9	Prohibited	All applications and products	Intentionally added	-							●				●				●	
(3R, 4R, 6S, 7S) -1,3,4,7,8,9,10,10-octachlorotricyclo [5.2.1.0 (2,6)] deca-8-En		5103-74-2	Prohibited	All applications and products	Intentionally added	-							●				●				●	
1,4,4,7,8,9,10,10-octachlorotricyclo [5.2.1.0 (2,6)] deca-8-ene		5566-34-7	Prohibited	All applications and products	Intentionally added	-							●				●				●	
1, 8, 9, 10, 11, 11-hexachloro-4-oxatetracyclo [6.2.1.0 (2,7) .0 (3,5)] undeca-9-ene	1,8,9,10,11,11-ヘキサクロ-4-オキサテトラシクロ [6.2.1.0(2,7).0(3,5)]ウンデカ-9-エン	6058-23-7	Prohibited	All applications and products	Intentionally added	-							●				●				●	
Chlorden		12789-03-6	Prohibited	All applications and products	Intentionally added	-							●				●				●	
5a, 6a, 6S, 6aS) -2,3,4,5,6,6a, 7,7-octachloro-la, 1b, 5,5a, 6,6a-hexahydro-2H-2,5-Methanoindeno [1,2-b] oxylene		27304-13-8	Prohibited	All applications and products	Intentionally added	-							●				●				●	
(1, 4S, 7S, 8S, 9S) -2,3,4,5,6,9-hexachlorotricyclo [5.2.1.0 (4,8)] deca-2,5-diene		56534-03-3	Prohibited	All applications and products	Intentionally added	-							●				●				●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
(1, 4S, 7S, 8S, 10S) -2,3,4,5,6,10-hexachlorotricyclo [5.2.1.0 (4,8)] deca-2,5-diene		56641-38-4	Prohibited	All applications and products	Intentionally added	-							●									
Toxaphen		8001-35-2	Prohibited	All applications and products	Intentionally added	-							●				●				●	
Dicofol	ジコフール	115-32-2	Prohibited	All applications and products	Intentionally added	-							●				●					
2,2,2-Trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl)ethanol		10606-46-9	Prohibited	All applications and products	Intentionally added	-							●									
r-1,c-2,t-3,c-4,t-5,t-6-hexachlorocyclohexane (α-hexachlorocyclohexane)		319-84-6	Prohibited	All applications and products	Intentionally added	-							●				●					
r-1,t-2,c-3,t-4,c-5,t-6-hexachlorocyclohexane (β-hexachlorocyclohexane)		319-85-7	Prohibited	All applications and products	Intentionally added	-							●				●					
Decachloropentacyclo [5.3.0.0 (2,6) .0 (3,9) .0 (4,8)] decan-5-one (Crodecon)		143-50-0	Prohibited	All applications and products	Intentionally added	-							●				●				●	
1,9,10,11,12-hexachloro-5-oxo-4,6-dioxo-5λ (4) -thiatricyclo [7.2.1.0 (2,8)] dodeca-		115-29-7	Prohibited	All applications and products	Intentionally added	-							●				●					
(5aR, 6R, 9S, 9aS) -6,7,8,9,10,10-hexachloro-1,5,5a, 6,9,9a-hexahydro-3H-6,9-methano- 3 λ (4) -benzodioxathiepin-3-one		959-98-8	Prohibited	All applications and products	Intentionally added	-							●				●					
(3R, 5aR, 6R, 9S, 9aS) -6,7,8,9,10,10-hexachloro-1,5,5a, 6,9,9a-hexahydro-3H-6,9- 4, 3 [lambda] (4) -benzodioxathiepin-3-one		33213-65-9	Prohibited	All applications and products	Intentionally added	-							●				●					
Tetrachloroethylene	テトラクロロエチレン	127-18-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-							●								●	
1,5,9-Cyclododecatriene, (E,E,E)-		676-22-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
1,5,9-Cyclododecatriene, (1E,5E,9Z)-		706-31-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
1,5,9-Cyclododecatriene, (1E,5Z,9Z)-		2765-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
1,5,9-Cyclododecatriene, (Z,Z,Z)-		4736-48-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
1,5,9-Cyclododecatriene		4904-61-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
Cyclododecane	シクロドデカン	294-62-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
1,1-Bis(tert-butyl)-3,3,5-trimethylcyclohexane peroxide		6731-36-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
Tetraphenyltin	テトラフェニルチン	595-90-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
Benzene, 1,3,5-tribromo-2-(2,3-dibromo-2-methylpropoxy)-		36065-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
Phosphonothioic acid, phenyl-, O-(2,4-dichlorophenyl) O-ethyl ester		3792-59-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
Benzene, 1,3,5-tris(1,1-dimethylethyl)-		1460-02-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
4-Isopropenyl-1-methylcyclohex-1-ene dimer		57912-86-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
(R)-4-Isopropenyl-1-methylcyclohex-1-ene dimer		71911-41-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
2,4-Bis(4-methylcyclohexyl)-2-methylpentane		84304-87-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
1-isopropyldecahydronaphthalene		1010-74-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								
2-Isopropyldecahydronaphthalene		861642-00-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-								●								



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Tetraphosphorus		12185-10-3	Prohibited	All applications and products	Intentionally added	-										●								
Schradan		152-16-9	Prohibited	All applications and products	Intentionally added	-											●							
Diethyl p-nitrophenylthiophosphate		56-38-2	Prohibited	All applications and products	Intentionally added	-											●					●		
Dimethyl ethylmercaptoethyl thiophosphate		8022-00-2	Prohibited	All applications and products	Intentionally added	-											●							
Dimethyl phosphate ester 2-chloro-N,N-diethyl-3-hydroxycrotonamide		13171-21-6	Prohibited	All applications and products	Intentionally added	-											●							
Dimethyl-p-nitrophenylthiophosphate		298-00-0	Prohibited	All applications and products	Intentionally added	-											●							
Tetraethyl diphosphate		107-49-3	Prohibited	All applications and products	Intentionally added	-											●							
Fluoroacetic acid	モノフルオロ酢酸	144-49-0	Prohibited	All applications and products	Intentionally added	-											●							
2-fluoroacetamide	モノフルオロ酢酸アミド	640-19-7	Prohibited	All applications and products	Intentionally added	-											●							
Benzene, 1,2,3-tribromo-4-(2,4,5-tribromophenoxy)-		182677-30-1	Prohibited	All applications and products	Intentionally added	-												●						
BHC or HCH		608-73-1	Prohibited	All applications and products	Intentionally added	-												●						
2,3',4',6'-Pentabromodiphenyl Ether		189084-66-0	Prohibited	All applications and products	Intentionally added	-												●						
2,2',3,4',4'-PENTABDE		182346-21-0	Prohibited	All applications and products	Intentionally added	-												●						
Indeno[1,2,3-cd]pyrene		193-39-5	Prohibited	All applications and products	Intentionally added	-												●				●		
2,3',4',6'-tetrabromodiphenyl ether		189084-62-6	Prohibited	All applications and products	Intentionally added	-												●						
2,4,4',6'-tetrabromodiphenyl ether		189084-63-7	Prohibited	All applications and products	Intentionally added	-												●						
Benzene, 1,2-dibromo-4-(2,4-dibromophenoxy)-		189084-61-5	Prohibited	All applications and products	Intentionally added	-												●						
beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in CLP Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		
perboric acid, sodium salt, monohydrate; [1] sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] perboric acid, sodium salt, monohydrate; [2] sodium peroxoborate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]		12040-72-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●					
carbon monoxide		630-08-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		
linuron (ISO); 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea		330-55-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		
sulfallate (ISO); 2-chloroallyl N, N-dimethyldithiocarbamate		95-06-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		
dimethylcarbonyl chloride		79-44-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		
diazomethane		334-88-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●					
mancozeb (ISO); manganese ethylenebis(dithiocarbamate) (polymeric) complex with zinc salt		8018-01-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		
O-isobutyl-N-ethoxy carbonylthiocarbamate		103122-66-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●					
O-hexyl-N-ethoxycarbonylthiocarbamate		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		
N,N-dimethylhydrazine		57-14-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			●		



5. List of NSK Environmentally Harmful Substances (details)

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cobalt lithium nickel oxide		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●		
arsenic acid and its salts with the exception of those specified elsewhere in this Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
potassium bromate		7758-01-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
tributyltin compounds, with the exception of those specified elsewhere in this annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
lead compounds with the exception of those specified elsewhere in this Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
lead alkyls		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
butane (containing ≥ 0,1 % butadiene (203-450-8)); [1]		106-97-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
isobutane (containing ≥ 0,1 % butadiene (203-450-8)) [2]		75-28-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
isoprene (stabilised) 2-methyl-1,3-butadiene		78-79-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
benzo[rs]pentaphene		189-55-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
dibenzo[b,def]chrysene; dibenzo[a,h]pyrene		189-64-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
dibenzo[def,p]chrysene; dibenzo[a,i]pyrene		191-30-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
1,2-dibromoethane	1,2-ジブロムエタン	106-93-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
1,2-dichloropropane; propylene dichloride	1,2-ジクロロプロパン; プロピレンジクロライド	78-87-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
1,2-dibromo-3-chloropropane	1,2-ジブロム-3-クロロプロパン	96-12-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
chloroprene (stabilised); 2-chlorobuta-1,3-diene (stabilised)		126-99-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
α-chlorotoluene; benzyl chloride	α-クロロトルエン; 塩化ベンジル	100-44-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
α,α,α-trichlorotoluene; benzotrichloride	α,α,α-トリクロロトルエン; ベンゾトリクロライド	98-07-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
1,3-dichloro-2-propanol	1,3-ジクロロ-2-プロパノール	96-23-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
1,4-dichlorobut-2-ene	1,4-ジクロロブテン-2	764-41-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
2-bromopropane	2-ブロムプロパン	75-26-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
α, α,α,4-tetrachlorotoluene; p-chlorobenzotrichloride	α,α,α,4-テトラクロロトルエン; p-クロロベンゾトリクロライド	5216-25-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
ethylene oxide; oxirane	エチレンオキシド; オキラン	75-21-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
2,3-epoxypropan-1-ol; glycidol; oxiranemethanol	2,3-エポキシプロパン-1-オール; グリシドール; オキランメタノール	556-52-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
m-bis(2,3-epoxypropoxy)benzene; resorcinol diglycidyl ether		101-90-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
7-oxa-3-oxiranylbicyclo [4.1.0]heptane; 1,2-epoxy- 4-epoxyethylcyclohexane; 4- vinylcyclohexene diepoxide		106-87-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
chlormethyl methyl ether; chlorodimethyl ether	クロロメチルメチルエーテル; クロロジメチルエーテル	107-30-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●	●	●	
R-2,3-epoxy-1-propanol	R-2,3-エポキシ-1-プロパノール	57044-25-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
R-1-chloro-2,3-epoxypropane	R-1-クロロ-2,3-エポキシプロパン	51594-55-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
2-(2-aminoethylamino)ethanol; (AEEA)	2-(2-アミノエチルアミノ)エタノール; (AEEA)	111-41-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
2,3-epoxypropyltrimethylammonium chloride ...%; glycidyl trimethylammonium chloride ...%	2,3-エポキシプロピルトリメチルアンモニウム塩化物 ...%; グリシジルトリメチルアンモニウム塩化物 ...%	3033-77-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride; [containing ≥ 0.1 % 4-chloroaniline (EC No 203-401-0)]	1-(2-アミノ-5-クロロフェニル)-2,2,2-トリフルオロ-1,1-エタネジオール、塩化水素付結晶; [4-クロロアニリン (EC No 203-401-0) を含有する]	214353-17-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
ethanol, 2,2'-iminobis-, N-(C13-15-branched and linear alkyl) derivs.	エタノール, 2,2'-イミノビス-, N-(C13-15-分岐および直鎖アルキル) 誘導体	97925-95-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
ipconazole (ISO); (1RS,2SR,5RS;1RS,2S-R,5SR)-2-(4-chloro-benzyl)-5-isopropyl-1-(1H-1,2,4-triazol-1-yl-methyl)cyclopentanol	イプコナゾール (ISO); (1RS,2SR,5RS;1RS,2S-R,5SR)-2-(4-クロロベンジル)-5-イソプロピル-1-(1H-1,2,4-トリアゾール-1-イルメチル)シクロペンタノール	125225-28-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
ipconazole (ISO); (1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-chlorobenzyl)-5-isopropyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol	イプコナゾール (ISO); (1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-クロロベンジル)-5-イソプロピル-1-(1H-1,2,4-トリアゾール-1-イルメチル)シクロペンタノール	115850-69-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
ipconazole (ISO); (1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-chlorobenzyl)-5-isopropyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol	イプコナゾール (ISO); (1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-クロロベンジル)-5-イソプロピル-1-(1H-1,2,4-トリアゾール-1-イルメチル)シクロペンタノール	115937-89-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
4-amino-3-fluorophenol	4-アミノ-3-フルオロフェノール	399-95-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
(E)-3-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-2-phenylbut-1-enyl]phenol	(E)-3-[1-[4-[2-(ジメチルアミノ)エトキシ]フェニル]-2-フェニルブチ-1-エニル]フェノール	82413-20-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
2-chloro-6-fluoro-phenol	2-クロロ-6-フルオロフェノール	2040-90-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
safrrole; 5-allyl-1,3-benzodioxole	サフロール; 5-アリル-1,3-ベンゾジオキソール	94-59-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
chlorophacinone (ISO); 2-[[4-chlorophenyl](phenyl)acetyl]-1H-indene-1,3(2H)-dione	クロロファシノン (ISO); 2-[[4-クロロフェニル]フェニル]アセチル-1H-インドエン-1,3(2H)-ジオン	3691-35-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
3-propanolide; 1,3-propiolactone	3-プロパノールライド; 1,3-プロピオラクトン	57-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
tetrahydrothiopyran-3-carboxaldehyde	テトラヒドロチオピラン-3-カルボアルデヒド	61571-06-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
2-butyl-3-hydroxy-5-thiocyclohexan-3-yl-cyclohex-2-en-1-one	2-ブチル-3-ヒドロキシ-5-チオシクロヘキサン-3-イルシクロヘキセン-2-イル-1-オン	94723-86-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
cyclic 3-(1,2-ethanediacetale)-estra-5(10),9(11)-diene-3,17-dione	環状3-(1,2-エタナジアセタール)-エストラ-5(10),9(11)-ジオン-3,17-ジオン	5571-36-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
anthraquinone	アントラキノン	84-65-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
warfarin (ISO); 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-chromen-2-one [1]	ワルファリン (ISO); 4-ヒドロキシ-3-(3-オキソ-1-フェニルブチル)-2H-クロメン-2-オン [1]	81-81-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
(S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone [2]	(S)-4-ヒドロキシ-3-(3-オキソ-1-フェニルブチル)-2-ベンゾピロン [2]	5543-57-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
(R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone [3]	(R)-4-ヒドロキシ-3-(3-オキソ-1-フェニルブチル)-2-ベンゾピロン [3]	5543-58-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
coumatetralyl (ISO); 4-hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)coumarin	クマトラルイル (ISO); 4-ヒドロキシ-3-(1,2,3,4-テトラヒドロ-1-ナフチル)クマリン	5836-29-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
2,3-epoxypropyl methacrylate; glycidyl methacrylate	2,3-エポキシプロピルメタクリレート; グリシジルメタクリレート	106-91-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
urethane (INN); ethyl carbamate	尿素 (INN); エチル炭酸塩	51-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		●	
difenacoum (ISO); 3-(3-biphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin	ジフェナコム (ISO); 3-(3-ビフェニル-4-イル)-1,2,3,4-テトラヒドロ-1-ナフチル)-4-ヒドロキシクマリン	56073-07-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin	ブロディファコム (ISO); 4-ヒドロキシ-3-(3-(4'-ブロモ-4-ビフェニル)-1,2,3,4-テトラヒドロ-1-ナフチル)クマリン	56073-10-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
2-ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]acetate	2-エチルヘキシル[[[3,5-ビス(1,1-ジメチルエチル)-4-ヒドロキシフェニル]メチル]チオ]アセテート	80387-97-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
2-ethylhexanoic acid and its salts, with the exception of those specified elsewhere in this Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
2-methoxypropyl acetate	2-メトキシプロピルアセテート	70657-70-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
fluazifop-butyl (ISO); butyl (RS)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate	フルアジフブチル; ブチル(RS)-2-[4-(5-トリフルオロメチルピリドキシ)フェノキシ]プロピオン酸	69806-50-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
vinclozolin (ISO); N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	ビンクロゾリン; N-3,5-ジクロロフェニル-5-メチル-5-ビニル-1,3-オキサゾリジン-2,4-ジオン	50471-44-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
flocoumafen (ISO); reaction mass of: cis-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin and trans-4-hydroxy-3-(1,2,3,4-tetrahydro-3-(4-(4-trifluoromethylbenzyloxy)phenyl)-1-naphthyl)coumarin	フロコムフェン; シス-4-ヒドロキシ-3-(1,2,3,4-テトラヒドロ-3-(4-(4-トリフルオロメチルベンゾキシ)フェニル)-1-ナフチル)コウマリン および トランス-4-ヒドロキシ-3-(1,2,3,4-テトラヒドロ-3-(4-(4-トリフルオロメチルベンゾキシ)フェニル)-1-ナフチル)コウマリン	90035-08-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
oxiranemethanol, 4-methylbenzene-sulfonate, (S)-	オキランメタノール, 4-メチルベンゼンスルホン酸, (S)-	70987-78-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
n-pentyl-isopentylphthalate; [2]		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																●	
reaction mass of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate; trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
ethyl 1-(2,4-dichlorophenyl)-5-(trichloromethyl)-1H-1,2,4-triazole-3-carboxylate	エチル1-(2,4-ジクロロフェニル)-5-(トリクロロメチル)-1H-1,2,4-トリアゾール-3-カルボキシレート	103112-35-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
4-tert-butylbenzoic acid	4-tert-ブチル安息香酸	98-73-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
bromadiolone (ISO); 3-[3-(4'-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-chromen-2-one	ブロムディオロン; 3-[3-(4'-ブロムビフェニル-4-イル)-3-ヒドロキシ-1-フェニルプロピル]-4-ヒドロキシ-2H-クロメン-2-オン	28772-56-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
difethialone (ISO); 3-[3-(4'-bromobiphenyl-4-yl)-1,2,3,4-tetrahydronaphthalen-1-yl]-4-hydroxy-2H-1-benzothiopyran-2-one	ジフェチアロン; 3-[3-(4'-ブロムビフェニル-4-イル)-1,2,3,4-テトラヒドロナフタレン-1-イル]-4-ヒドロキシ-2H-1-ベンゾチオピラン-2-オン	104653-34-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
spirodiclofen (ISO); 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutyrate		148477-71-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
pentapotassium 2,2',2'',2''',2''''-(ethane-1,2-diyl)nitro)pentaacetate		7216-95-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
N-carboxymethyliminobis(ethylenitrilo)tetrakis(acetic acid)		67-43-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
pentasodium (carboxylatomethyl)iminobis(ethylenitrilo)tetrakis(acetic acid)		140-01-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
diisooctyl phthalate		27554-26-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-	●														●		
2-methoxyethyl acrylate		3121-61-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
6-[C12-18-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid, sodium and tris(2-hydroxyethyl)ammonium salts		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid		2156592-54-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
6-[C12-18-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
3,7-dimethylocta-2,6-dienitrile	3,7-ジメチルオクタ-2,6-ジエンニトリル	5146-66-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA			
2-nitropropane	2-ニトロプロパン	79-46-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
dinitrotoluene [2]		25321-14-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
dinocap (ISO); (RS)-2,6-dinitro-4-octylphenyl crotonates and (RS)-2,4-dinitro-6-octylphenyl crotonates in which "octyl" is a reaction mass of 1-methylheptyl, 1-ethylhexyl and 1-propylpentyl groups	ジノカプア; 4,6(又は2,6)-ジニトロ-2(又は4)-メチルヘptyル フェニルプロパレート	39300-45-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
binapacryl (ISO); 2-sec-butyl-4,6-dinitrophenyl-3-methylcrotonate	ビナパクリル; 2-sec-ブチル-4,6-ジニトロフェニル-3-メチルクロトネート	485-31-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
salts and esters of dinoseb, with the exception of those specified elsewhere in this Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
dinoterb (ISO); 2-tert-butyl-4,6-dinitrophenol	ジノターブ; 2-tert-ブチル-4,6-ジニトロフェノール	1420-07-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
salts and esters of dinoterb		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
5-nitroacenaphthene	5-ニトロアセナフテン	602-87-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
2-nitronaphthalene	2-ニトロナフthalen	581-89-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
nitrofen (ISO); 2,4-dichlorophenyl 4-nitrophenyl ether		1836-75-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
2-nitroanisole	2-ニトロアニソール	91-23-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
2,6-dinitrotoluene	2,6-ジニトロトルエン	606-20-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
2,3-dinitrotoluene	2,3-ジニトロトルエン	602-01-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
3,4-dinitrotoluene	3,4-ジニトロトルエン	610-39-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
3,5-dinitrotoluene	3,5-ジニトロトルエン	618-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
hydrazine-trinitromethane		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
2,5-dinitrotoluene	2,5-ジニトロトルエン	619-15-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
2-nitrotoluene	2-ニトロトルエン	88-72-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
azobenzene	アゾベンゼン	103-33-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
methyl-ONN-azoxymethyl acetate; methyl azoxy methyl acetate	メチル-ONN-アゾキシメチルアセテート; メチルアゾキシメチルアセテート	592-62-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
Benzidine based azo dyes; 4,4'-diarylazobiphenyl dyes, with the exception of those specified elsewhere in CLP Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
o-dianisidine based azo dyes; 4,4'-diaryazo-3,3'-dimethoxybiphenyl dyes with the exception of those mentioned elsewhere in CLP Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
o-tolidine based dyes; 4,4'-diaryazo-3,3'-dimethylbiphenyl dyes, with the exception of those mentioned elsewhere in CLP Annex		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
6-hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile	6-ヒドロキシ-1-(3-イソプロポキシプロピル)-4-メチル-2-オキソ-5-[4-(フェニルアゾ)フェニルアゾ]-1,2-ジヒドロ-3-ピリジン炭素ニトリル	85136-74-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			
(6-(4-hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazin-2,4-diy)bis[(amino-1-methylethyl)ammonium] formate	(6-(4-ヒドロキシ-3-(2-メトキシフェニルアゾ)-2-スルホナート-7-ナフチルアミノ)-1,3,5-トリアジン-2,4-ジイ)ビス[(アミノ-1-メチルエチル)アンモニウム] 酢酸塩	108225-03-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																			



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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
reaction products of paraformaldehyde and 2-hydroxypropylamine (ratio 3:2); [formaldehyde released from 3,3'-methylenebis[5-methyloxazolidine]; formaldehyde released from oxazolidin]; [MBO]		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
reaction products of paraformaldehyde with 2-hydroxypropylamine (ratio 1:1); [formaldehyde released from α,α,α-trimethyl-1,3,5-triazine-1,3,5-(2H,4H,6H)-triethanol]; [HPT]		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
methylhydrazine	メチルヒドラジン	60-34-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
ethyleneimine; aziridine	エチレンイミン; アジリジン	151-56-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
tridemorph (ISO); 2,6-dimethyl-4-tridecylmorpholine	トリデモルフ; 2,6-ジメチル-4-トリデシルモルホリン	24602-86-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
2-methylaziridine; propyleneimine	2-メチルアジリジン; プロピレンイミン	75-55-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
benomyl (ISO); methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate	ベノミル; メチル1-(ブチルカルバモイル)ベンズイミダゾール-2-イルカルバメート	17804-35-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
carbadox (INN); methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,4-dioxide; 2-(methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide	カルバダックス; メチル3-(キノキサリン-2-イルメチレン)カルバザート 1,4-ジオキソド; 2-(メトキシカルボニルヒドrazonomethyl)キノキサリン-1,4-ジオキソド	6804-07-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
dimethomorph (ISO); (E,Z)-4-(3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl) acryloyl)morpholine		110488-70-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
1,2,4-triazole		288-88-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
cycloheximide (ISO); 4-{{(2R)-2-[[1S,3S,5S]-3,5-dimethyl-2-oxocyclohexyl]-2-hydroxyethyl}}piperidine-2,6-dione	シクロヘキシミド; 4-{{(2R)-2-[[1S,3S,5S]-3,5-ジメチル-2-オキソシクロヘキシル]-2-ヒドロキシエチル}}ピペリジン-2,6-ジオン	66-81-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
epoxiconazole (ISO); (2RS,3SR)-3-(2-(4-chlorophenyl)-2-(4-fluorophenyl)-1-yl)methyljoxirane	エポキシコナゾール; (2RS,3SR)-3-(2-(4-クロロフェニル)-2-(4-フルオロフェニル)-1-イル)メチルジオキラン	133855-98-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
reaction mass of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione; reaction mass of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly[3,5-bis(3-aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,3,5(1H,3H,5H)-triazine-2,4,6-trione		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
ketoconazole; 1-[4-[[[(2SR,4RS)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate; [containing ≥ 0.5 % N,N-dimethylformamide (EC No 200-679-5)]	ケトコナゾール; 1-[4-[[[(2SR,4RS)-2-(2,4-ジクロロフェニル)-2-(イミダゾール-1-イルメチル)-1,3-ジオキソラン-4-イル]メトキシ]フェニル]ピペラジン-1-イル]エタノン	65277-42-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
1-ethyl-3-ethylmethyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate; [containing ≥ 0.5 % N,N-dimethylformamide (EC No 200-679-5)]	1-エチル-3-エチルメチル-4-[3-(1-メチル-3-モルホリノカルボニル-5-オキソ-2-ピラゾリン-4-イルイデン)-1-プロペン-1-イル]ピラゾール-5-イルエート; [0.5%N,N-ジメチルホルムアミド含有]	183196-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
imidazole	イミダゾール	288-32-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
triadimenol (ISO); (1RS,2RS;1RS,2SR)-1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol; α-tert-butyl-β-(4-chlorophenoxy)-1H-1,2,4-triazole-1-ethanol	トリアジメノール; (1RS,2RS; 1RS,2SR)-1-(4-クロロフェノキシ)-3,3-ジメチル-1-(1H-1,2,4-トリアゾール-1-イル)ブタン-2-オール; α-tert-ブチル-β-(4-クロロフェノキシ)-1H-1,2,4-トリアゾール-1-エタノール	55219-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
quinolin-8-ol; 8-hydroxyquinoline	キノリン-8-オール; 8-ヒドロキシキノリン	148-24-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
halosulfuron-methyl (ISO); methyl 3-chloro-5-[[[(4,6-dimethoxypyrimidin-2-yl)carbamoyl]sulfamoyl]-1-methyl-1H-pyrazole-4-carboxylate		100784-20-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
flurochloridone (ISO); 3-chloro-4-(chloromethyl)-1-[3-(trifluoromethyl)phenyl]pyrrolidin-2-one		61213-25-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
3-methylpyrazole		1453-58-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
theophylline; 1,3-dimethyl-3,7-dihydro-1H-purine-2,6-dione		58-55-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
colchicine	コルクチン	64-86-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime		96-29-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
thioacetamide	チオアセチド	62-55-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
N-methylformamide	N-メチルホルムアミド	123-39-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
reaction mass of: N-(3-hydroxy-2-(2-methylacryloylaminoethoxy)propoxymethyl)-2-methylacrylamide; N-[2,3-bis-(2-methylacryloylaminoethoxy)propoxymethyl]-2-methylacrylamide; methacrylamide; 2-methyl-N-(2-methylacryloylaminoethoxymethyl)-acrylamide; N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
N-[6,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6-oxo-1H-purin-2-yl]acetamide	N-[6,9-ジヒドロ-9-[[2-ヒドロキシ-1-(ヒドロキシメチル)エトキシ]メチル]-6-オキソ-1H-プリン-2-イル]アセチド	84245-12-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
N,N-(dimethylamino)thioacetamide hydrochloride	N,N-(ジメチルアミノ)チオアセチド 塩酸塩	27366-72-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
carbetamide (ISO); (R)-1-(ethylcarbamoyl)ethyl carbanilate; (2R)-1-(ethylamino)-1-oxopropan-2-yl phenylcarbamate	カバミド; (R)-1-(エチルカルバモイル)エチルカルバミレート; (2R)-1-(エチルアミノ)-1-オキソプロパン-2-イルフェニルカルバメート	16118-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
N-(2-nitrophenyl)phosphoric triamide		874819-71-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Reaction mass of 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9RS)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide and 3-(difluoromethyl)-1-methyl-N-[(1RS,4SR,9SR)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]pyrazole-4-carboxamide [≥ 78% syn isomers ≤15% anti isomers relative content]; isopyrazam		881685-58-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
Distillates (coal tar), benzole fraction; Light Oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists of hydrocarbons having carbon numbers primarily in the range of C4 to C10 and distilling in the approximate range of 80 °C to 160 °C (175 °F to 320 °F).]		84650-02-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar oils, brown-coal; Light Oil; [The distillate from lignite tar boiling in the range of approximately 80°C to 250°C (176°F to 482°F). Composed primarily of aliphatic and aromatic hydrocarbons and monobasic phenols.]		94114-40-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Benzol forerunnings (coal); Light Oil Redistillate, low boiling; [The distillate from coke oven light oil having an approximate distillation range below 100°C (212°F). Composed primarily of C4 to C6 aliphatic hydrocarbons.]		65996-88-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), benzole fraction, BTX-rich; Light Oil Redistillate, low boiling; [A residue from the distillation of crude benzole to remove benzole fronts. Composed primarily of benzene, toluene and xylenes boiling in the range of approximately 75°C to 200°C (167°F to 392°F).]		101896-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C6-10, C8-rich; Light Oil Redistillate, low boiling		90989-41-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Solvent naphtha (coal), light; Light Oil Redistillate, low boiling		85536-17-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA	
Solvent naphtha (coal), xylene-styrene cut; Light Oil Redistillate, intermediate boiling		85536-20-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
Solvent naphtha (coal), coumarone-styrene contg.; Light Oil Redistillate, intermediate boiling		85536-19-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Naphtha (coal), distn. residues; Light Oil Redistillate, high boiling; [The residue remaining from the distillation of recovered naphtha. Composed primarily of naphthalene and condensation products of indene and styrene.]		90641-12-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Aromatic hydrocarbons, C8; Light Oil Redistillate, high boiling		90989-38-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Aromatic hydrocarbons, C8-9, hydrocarbon resin polymn. by-product; Light Oil Redistillate, high boiling; [A complex combination of hydrocarbons obtained from the evaporation of solvent under vacuum from polymerized hydrocarbon resin. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C9 and boiling in the range of approximately 120°C to 215°C (248°F to 419°F).]		91995-20-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal tar), benzole fraction alk., acid ext.; Light Oil Extract Residues, low boiling; [A complex combination of hydrocarbons obtained by the redistillation of the distillate of high temperature coal tar (tar acid and tar base free). It consists predominantly of unsubstituted and substituted mononuclear aromatic hydrocarbons boiling in the range of 85°C to 195°C (185°F to 383°F).]		101316-63-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal), benzole fraction acid; Light Oil Extract Residues, low boiling; [An acid sludge by-product of the sulfuric acid refining of crude high temperature coal. Composed primarily of sulfuric acid and organic compounds.]		93821-38-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal), light oil alk., distn. overheads; Light Oil Extract Residues, low boiling; [The first fraction from the distillation of aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oil boiling substantially below 145°C (293°F). Composed primarily of C7 and C8 aliphatic and aromatic hydrocarbons.]		90641-02-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal), light oil alk., acid ext., indene fraction; Light Oil Extract Residues, intermediate boiling		101316-62-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal), light oil alk., indene naphtha fraction; Light Oil Extract Residues, high boiling; [The distillate from aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oils, having an approximate boiling range of 155°C to 180°C (311°F to 356°F). Composed primarily of indene, indan and trimethylbenzenes.]		90641-03-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Solvent naphtha (coal); Light Oil Extract Residues, high boiling; [The distillate from either high temperature coal tar, coke oven light oil, or coal tar oil alkaline extract residue having an approximate distillation range of 130°C to 210°C (266°F to 410°F). Composed primarily of indene and other polycyclic ring systems containing a single aromatic ring. May contain phenolic compounds and aromatic nitrogen bases.]		65996-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Distillates (coal tar), light oils, neutral fraction; Light Oil Extract Residues, high boiling; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of alkyl-substituted one ring aromatic hydrocarbons boiling in the range of approximately 135°C to 210°C (275°F to 410°F). May also include unsaturated hydrocarbons such as indene and coumarone.]		101794-90-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			

5. List of NSK Environmentally Harmful Substances (details)

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Distillates (coal tar), light oils, acid exts.; Light Oil Extract Residues, high boiling; [This oil is a complex reaction mass of aromatic hydrocarbons, primarily indene, naphthalene, coumarone, phenol, and o-, m- and p-cresol and boiling in the range of 140°C to 215°C (284°F to 419°F).]		90640-87-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), light oils; Carbolite Oil; [A complex combination of hydrocarbons obtained by distillation of coal tar. It consists of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills at the approximate range of 150°C to 210°C (302°F to 410°F).]		84650-03-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar oils, coal; Carbolite Oil; [The distillate from high temperature coal tar having an approximate distillation range of 130°C to 250°C (266°F to 410°F). Composed primarily of naphthalene, alkylnaphthalenes, phenolic compounds, and aromatic nitrogen bases.]		65996-82-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract residues (coal), light oil alk., acid ext.; Carbolite Oil Extract Residue; [The oil resulting from the acid washing of alkali-washed carbolite oil to remove the minor amounts of basic compounds (tar bases). Composed primarily of indene, indan and alkylbenzenes.]		90641-01-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract residues (coal), tar oil alk.; Carbolite Oil Extract Residue; [The residue obtained from coal tar oil by an alkaline wash such as aqueous sodium hydroxide after the removal of crude coal tar acids. Composed primarily of naphthalenes and aromatic nitrogen bases.]		65996-87-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract oils (coal), light oil; Acid Extract; [The aqueous extract produced by an acidic wash of alkali-washed carbolite oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]		90640-99-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Pyridine, alkyl derivs.; Crude Tar Bases; [The complex combination of polyalkylated pyridines derived from coal tar distillation or as high-boiling distillates approximately above 150°C (302°F) from the reaction of ammonia with acetaldehyde, formaldehyde or paraformaldehyde.]		68391-11-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar bases, coal, picoline fraction; Distillate Bases; [Pyridine bases boiling in the range of approximately 125°C to 160°C (257°F to 320°F) obtained by distillation of neutralized acid extract of the base-containing tar fraction obtained by the distillation of bituminous coal tars. Composed chiefly of lutidines and picolines.]		92062-33-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar bases, coal, lutidine fraction; Distillate Bases		91082-52-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract oils (coal), tar base, collidine fraction; Distillate Bases; [The extract produced by the acidic extraction of bases from crude coal tar aromatic oils, neutralization, and distillation of the bases. Composed primarily of collidines, aniline, toluidines, lutidines, xyloidines.]		68937-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar bases, coal, collidine fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 181 °C to 186 °C (356 °F to 367 °F) from the crude bases obtained from the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of bituminous coal tar. It contains chiefly aniline and collidines.]		92062-28-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar bases, coal, aniline fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 180 °C to 200 °C (356 °F to 392 °F) from the crude bases obtained by dephenolating and debasing the carbolated oil from the distillation of coal tar. It contains chiefly aniline, collidines, lutidines and toluidines.]		92062-27-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Tar bases, coal, toluidine fraction; Distillate Bases		91082-53-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, mixed with high-temp. coal tar, indene fraction; Redistillates; [A complex combination of hydrocarbons obtained as a redistillate from the fractional distillation of bituminous coal high temperature tar and residual oils that are obtained by the pyrolytic production of alkenes and alkynes from petroleum products or natural gas. It consists predominantly of indene and boils in a range of approximately 160°C to 190°C (320°F to 374°F).]		91995-31-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [The redistillate obtained from the fractional distillation of bituminous coal high temperature tar and pyrolysis residual oils and boiling in the range of approximately 190°C to 270°C (374°F to 518°F). Composed primarily of substituted dinuclear aromatics.]		91995-35-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oil, redistillate; Redistillates; [The redistillate from the fractional distillation of dephenolated and debased methylnaphthalene oil obtained from bituminous coal high temperature tar and pyrolysis residual oils boiling in the approximate range of 220°C to 230°C (428°F to 446°F). It consists predominantly of unsubstituted and substituted dinuclear aromatic hydrocarbons.]		91995-66-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [A neutral oil obtained by debasing and dephenolating the oil obtained from the distillation of high temperature tar and pyrolysis residual oils which has a boiling range of 225°C to 255°C (437°F to 491°F). Composed primarily of substituted dinuclear aromatic hydrocarbons.]		122070-79-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract oils (coal), coal tar residual pyrolysis oils, naphthalene oil, distn. residues; Redistillates; [Residue from the distillation of dephenolated and debased methylnaphthalene oil (from bituminous coal tar and pyrolysis residual oils) with a boiling range of 240°C to 260°C (464°F to 500°F). Composed primarily of substituted dinuclear aromatic and heterocyclic hydrocarbons.]		122070-80-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained as a redistillate from the distillation of wash oil. It consists predominantly of 2-ringed aromatic and heterocyclic hydrocarbons boiling in the range of approximately 260 °C to 290 °C (500 °F to 554 °F).]		101316-45-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), upper, fluorene-rich; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic and polycyclic hydrocarbons primarily fluorene and some acenaphthene.]		84989-11-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Creosote oil, acenaphthene fraction, acenaphthene-free; Wash Oil Redistillate; [The oil remaining after removal by a crystallization process of acenaphthene from acenaphthene oil from coal tar. Composed primarily of naphthalene and alkylnaphthalenes.]		90640-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), heavy oils; Heavy Anthracene Oil; [Distillate from the fractional distillation of coal tar of bituminous coal, with boiling range of 240 °C to 400 °C (464 °F to 752 °F). Composed primarily of tri- and polynuclear hydrocarbons and heterocyclic compounds.]		90640-86-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Anthracene oil, acid ext.; Anthracene Oil Extract Residue; [A complex combination of hydrocarbons from the base-free fraction obtained from the distillation of coal tar and boiling in the range of approximately 325 °C to 365 °C (617 °F to 689 °F). It contains predominantly anthracene and phenanthrene and their alkyl derivatives.]		91995-14-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar); Heavy Anthracene Oil; [The distillate from coal tar having an approximate distillation range of 100 °C to 450 °C (212 °F to 842 °F). Composed primarily of two to four membered condensed ring aromatic hydrocarbons, phenolic compounds, and aromatic nitrogen bases.]		65996-92-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), pitch, heavy oils; Heavy Anthracene Oil; [The distillate from the distillation of the pitch obtained from bituminous high temperature tar. Composed primarily of tri- and polynuclear aromatic hydrocarbons and boiling in the range of approximately 300 °C to 470 °C (572 °F to 878 °F). The product may also contain heteroatoms.]		91995-51-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), pitch; Heavy Anthracene Oil; [The oil obtained from condensation of the vapors from the heat treatment of pitch. Composed primarily of two- to four-ring aromatic compounds boiling in the range of 200 °C to greater than 400 °C (392 °F to greater than 752 °F).]		101316-49-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), heavy oils, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate boiling in the range of approximately 350 °C to 400 °C (662 °F to 752 °F). Consists predominantly of tri- and polynuclear aromatics and heterocyclic hydrocarbons.]		91995-42-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), pitch, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate and boiling in the range of approximately 380 °C to 410 °C (716 to 770 °F). Composed primarily of tri- and polynuclear aromatic hydrocarbons and heterocyclic compounds.]		91995-52-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with activated carbon for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		97926-76-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin waxes (coal), brown-coal high-temp tar, clay-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with bentonite for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		97926-77-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Pitch; Pitch		61789-60-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Pitch, coal tar, high-temp., heat-treated; Pitch; [The heat treated residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 80 °C to 180 °C (176 °F to 356 °F). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.]		121575-60-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Pitch, coal tar, high-temp., secondary; Pitch Redistillate; [The residue obtained during the distillation of high boiling fractions from bituminous coal high temperature tar and/or pitch coke oil, with a softening point of 140 °C to 170 °C (284 °F to 392 °F) according to DIN 52025. Composed primarily of tri- and polynuclear aromatic compounds which also contain heteroatoms.]		94114-13-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (coal tar), pitch distn.; Pitch Redistillate; [Residue from the fractional distillation of pitch distillate boiling in the range of approximately 400 °C to 470 °C (752 °F to 846 °F). Composed primarily of polynuclear aromatic hydrocarbons, and heterocyclic compounds.]		92061-94-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar, coal, high-temp., distn. and storage residues; Coal Tar Solids Residue; [Coke- and ash-containing solid residues that separate on distillation and thermal treatment of bituminous coal high temperature tar in distillation installations and storage vessels. Consists predominantly of carbon and contains a small quantity of hetero compounds as well as ash components.]		92062-20-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar, coal, storage residues; Coal Tar Solids Residue; [The deposit removed from crude coal tar storages. Composed primarily of coal tar and carbonaceous particulate matter.]		91082-50-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar, coal, high-temp., residues; Coal Tar Solids Residue; [Solids formed during the coking of bituminous coal to produce crude bituminous coal high temperature tar. Composed primarily of coke and coal particles, highly aromatized compounds and mineral substances.]		100684-51-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar, coal, high-temp., high-solids; Coal Tar Solids Residue; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 °C (1292 °F)) destructive distillation of coal. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons with a high solid content of coal-type materials.]		68990-61-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Waste solids, coal-tar pitch coking; Coal Tar Solids Residue; [The combination of wastes formed by the coking of bituminous coal tar pitch. It consists predominantly of carbon.]		92062-34-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract residues (coal), brown; Coal Tar Extract; [The residue from extraction of dried coal.]		91697-23-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin waxes (coal), brown-coal-high-temp. tar; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C12.]		92045-71-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin waxes (coal), brown-coal-high-temp. tar, hydrotreated; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process treated with hydrogen in the presence of a catalyst. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C12.]		92045-72-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with silicic acid for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		97926-78-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tar, coal, low-temp., distn. residues; Tar Oil, intermediate boiling; [Residues from fractional distillation of low temperature coal tar to remove oils that boil in a range up to approximately 300 °C (572 °F). Composed primarily of aromatic compounds.]		101316-85-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Pitch, coal tar, low-temp; Pitch Residue; [A complex black solid or semi-solid obtained from the distillation of a low temperature coal tar. It has a softening point within the approximate range of 40 °C to 180 °C (104 °F to 356 °F). Composed primarily of a complex mixture of hydrocarbons.]		90669-57-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Pitch, coal tar, low-temp., oxidized; Pitch Residue, oxidised; [The product obtained by air-blowing, at elevated temperature, low-temperature coal tar pitch. It has a softening-point within the approximate range of 70 °C to 180 °C (158 °F to 356 °F). Composed primarily of a complex mixture of hydrocarbons.]		90669-59-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Pitch, coal tar, low-temp., heat-treated; Pitch Residue, oxidised; Pitch Residue, heat-treated; [A complex black solid obtained by the heat treatment of low temperature coal tar pitch. It has a softening point within the approximate range of 50 °C to 140 °C (122 °F to 284 °F). Composed primarily of a complex mixture of aromatic compounds.]		90669-58-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal-petroleum), condensed-ring arom; Distillates; [The distillate from a mixture of coal and tar and aromatic petroleum streams having an approximate distillation range of 220 °C to 450 °C (428 °F to 842 °F). Composed primarily of 3- to 4-membered condensed ring aromatic hydrocarbons.]		68188-48-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 °C to 220 °C (212 °F to 428 °F) according to DIN 52025.]		101794-74-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polyethylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 °C to 220 °C (212 °F to 428 °F) according to DIN 52025.]		101794-75-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polystyrene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 °C to 220 °C (212 °F to 428 °F) according to DIN 52025.]		101794-76-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Pitch, coal tar-petroleum; Pitch Residues; [The residue from the distillation of a mixture of coal tar and aromatic petroleum streams. A solid with a softening point from 40 °C to 180 °C (140 °F to 356 °F). Composed primarily of a complex combination of three or more membered condensed ring aromatic hydrocarbons.]		68187-57-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Phenanthrene, distn. residues; Heavy Anthracene Oil Redistillate; [Residue from the distillation of crude phenanthrene boiling in the approximate range of 340 °C to 420 °C (644 °F to 788 °F). It consists predominantly of phenanthrene, anthracene and carbazole.]		122070-78-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (coal tar), upper, fluorene-free; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic polycyclic hydrocarbons, primarily diphenyl, dibenzofuran and acenaphthene.]		84989-10-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (coal tar), creosote oil distn.; Wash Oil Redistillate; [The residue from the fractional distillation of wash oil boiling in the approximate range of 270°C to 330°C (518°F to 626°F). It consists predominantly of dinuclear aromatic and heterocyclic hydrocarbons.]		92061-93-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar, coal; Coal tar; [The by-product from the destructive distillation of coal. Almost black semisolid. A complex combination of aromatic hydro-carbons, phenolic compounds, nitrogen bases and thiophene.]		8007-45-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar, coal, high-temp.; Coal tar; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 °C (1292 °F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons. May contain minor amounts of phenolic compounds and aromatic nitrogen bases.]		65996-89-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar, coal, low-temp.; Coal oil; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in low temperature (less than 700 °C (1292 °F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of condensed ring aromatic hydrocarbons, phenolic compounds, aromatic nitrogen bases, and their alkyl derivatives.]		65996-90-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal), coke-oven light oil, naphthalene cut; Naphthalene Oil; [The complex combination of hydrocarbons obtained from prefractionation (continuous distillation) of coke oven light oil. It consists predominantly of naphthalene, coumarone and indene and boils above 148°C (298°F).]		85029-51-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), naphthalene oils, naphthalene-low; Naphthalene Oil Redistillate; [A complex combination of hydrocarbons obtained by crystallization of naphthalene oil. Composed primarily of naphthalene, alkyl naphthalenes and phenolic compounds.]		84989-09-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), naphthalene oil crystn. mother liquor; Naphthalene Oil Redistillate; [A complex combination of organic compounds obtained as a filtrate from the crystallization of the naphthalene fraction from coal tar and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Contains chiefly naphthalene, thionaphthene and alkylnaphthalenes.]		91995-49-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract residues (coal), naphthalene oil, alk.; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained from the alkali washing of naphthalene oil to remove phenolic compounds (tar acids). It is composed of naphthalene and alkyl naphthalenes.]		121620-47-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract residues (coal), naphthalene oil, alk., naphthalene-low; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons remaining after the removal of naphthalene from alkali-washed naphthalene oil by a crystallization process. It is composed primarily of naphthalene and alkyl naphthalenes.]		121620-48-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), naphthalene oils, naphthalene-free, alk. exts.; Naphthalene Oil Extract Residue; [The oil remaining after the removal of phenolic compounds (tar acids) from drained naphthalene oil by an alkali wash. Composed primarily of naphthalene and alkyl naphthalenes.]		90640-90-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Extract residues (coal), naphthalene oil alk., distn. overheads; Naphthalene Oil Extract Residue; [The distillate from alkali-washed naphthalene oil having an approximate distillation range of 180°C to 220°C (356°F to 428°F). Composed primarily of naphthalene, alkylbenzenes, indene and indan.]		90641-04-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
Distillates (coal tar), naphthalene oils, methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of substituted two ring aromatic hydrocarbons and aromatic nitrogen bases boiling in the range of approximately 225°C to 255°C (437°F to 491°F).]		101896-27-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Distillates (coal tar), naphthalene oils, indole-methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of indole and methylnaphthalene boiling in the range of approximately 235°C to 255°C (455°F to 491°F).]		101794-91-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Distillates (coal tar), naphthalene oils, acid exts.; Methylnaphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained by debasing the methylnaphthalene fraction obtained by the distillation of coal tar and boiling in the range of approximately 230°C to 255°C (446°F to 491°F). Contains chiefly 1(2)-methylnaphthalene, naphthalene, dimethylnaphthalene and biphenyl.]		91995-48-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal), naphthalene oil alk., distn. residues; Methylnaphthalene Oil Extract Residue; [The residue from the distillation of alkali-washed naphthalene oil having an approximate distillation range of 220°C to 300°C (428°F to 572°F). Composed primarily of naphthalene, alkyl naphthalenes and aromatic nitrogen bases.]		90641-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract oils (coal), acidic, tar-base free; Methylnaphthalene Oil Extract Residue; [The extract oil boiling in the range of approximately 220°C to 265°C (428°F to 509°F) from coal tar alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove tar bases. Composed primarily of alkyl naphthalenes.]		84989-12-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Distillates (coal tar), benzole fraction, distn. residues; Wash Oil; [A complex combination of hydrocarbons obtained from the distillation of crude benzole (high temperature coal tar). It may be a liquid with the approximate distillation range of 150°C to 300°C (302°F to 572°F) or a semi-solid or solid with a melting point up to 70°C (158°F). It is composed primarily of naphthalene and alkyl naphthalenes.]		121620-46-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal), creosote oil acid; Wash Oil Extract Residue; [A complex combination of hydrocarbons from the base-freed fraction from the distillation of coal tar, boiling in the range of approximately 250°C to 280°C (482°F to 536°F). It consists predominantly of biphenyl and isomeric diphenyl naphthalenes.]		122384-77-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Residues (coal tar), anthracene oil distn.; Anthracene Oil Fraction; [The residue from the fraction distillation of crude anthracene boiling in the approximate range of 340°C to 400°C (644°F to 752°F). It consists predominantly of tri- and polynuclear aromatic and heterocyclic hydrocarbons.]		92061-92-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Anthracene oil, anthracene paste, carbazole fraction; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous coal high temperature tar and boiling in the approximate range of 350°C to 360°C (662°F to 680°F). It contains chiefly anthracene, carbazole and phenanthrene.]		91995-16-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tar oils, coal, low-temp.; Tar Oil, high boiling; [A distillate from low-temperature coal tar. Composed primarily of hydrocarbons, phenolic compounds and aromatic nitrogen bases boiling in the range of approximately 160°C to 340°C (320°F to 644°F).]		101316-87-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Phenols, ammonia liquor ext.; Alkaline Extract; [The combination of phenols extracted, using isobutyl acetate, from the ammonia liquor condensed from the gas evolved in low-temperature (less than 700°C (1292°F)) destructive distillation of coal. It consists predominantly of a reaction mass of monohydric and dihydric phenols.]		84988-93-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), light oils, alk. exts.; Alkaline Extract; [The aqueous extract from carbolic oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]		90640-88-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts, coal tar oil alk.; Alkaline Extract; [The extract from coal tar oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]		65996-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal tar), naphthalene oils, alk. exts.; Alkaline Extract; [The aqueous extract from naphthalene oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]		90640-89-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extract residues (coal), tar oil alk., carbonated, limed; Crude Phenols; [The product obtained by treatment of coal tar oil alkaline extract with CO2 and CaO. Composed primarily of CaCO3, Ca(OH)2, Na2CO3 and other organic and inorganic impurities.]		90641-06-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, brown-coal, crude; Crude Phenols; [An acidified alkaline extract of brown coal tar distillate. Composed primarily of phenol and phenol homologs.]		101316-86-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, brown-coal gasification; Crude Phenols; [A complex combination of organic compounds obtained from brown coal gasification. Composed primarily of C6-10 hydroxy aromatic phenols and their homologs.]		92062-22-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, distn. residues; Distillate Phenols; [A residue from the distillation of crude phenol from coal. It consists predominantly of phenols having carbon numbers in the range of C8 through C10 with a softening point of 60°C to 80°C (140°F to 176°F).]		96690-55-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, methylphenol fraction; Distillate Phenols; [The fraction of tar acid rich in 3- and 4-methylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]		84989-04-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, polyalkylphenol fraction; Distillate Phenols; [The fraction of tar acids, recovered by distillation of low-temperature coal tar crude tar acids, having an approximate boiling range of 225°C to 320°C (437°F to 608°F). Composed primarily of polyalkylphenols.]		84989-05-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 2,4- and 2,5-dimethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]		84989-06-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, ethylphenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3- and 4-ethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]		84989-03-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tar acids, 3,5-xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3,5-dimethylphenol, recovered by distillation of low-temperature coal tar acids.]		84989-07-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Tar acids, residues, distillates, first-cut; Distillate Phenols; [The residue from the distillation in the range of 235°C to 355°C (481°F to 697°F) of light carboic oil.]		68477-23-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
Tar acids, cresylic, residues; Distillate Phenols; [The residue from crude coal tar acids after removal of phenol, cresols, xylenols and any higher boiling phenols. A black solid with a melting point approximately 80°C (176°F). Composed primarily of polyalkylphenols, resin gums, and inorganic salts.]		68555-24-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Phenols, C9-11; Distillate Phenols		91079-47-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar acids, cresylic; Distillate Phenols; [A complex combination of organic compounds obtained from brown coal and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). It contains chiefly phenols and pyridine bases.]		92062-26-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar acids, brown-coal, C2-alkylphenol fraction; Distillate Phenols; [The distillate from the acidification of alkaline washed lignite tar distillate boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Composed primarily of m- and p-ethylphenol as well as cresols and xylenols.]		94114-29-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract oils (coal), naphthalene oils; Acid Extract; [The aqueous extract produced by an acidic wash of alkali-washed naphthalene oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]		90641-00-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar bases, quinoline derivs.; Distillate Bases		68513-87-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar bases, coal, quinoline derivs. fraction; Distillate Bases		70321-67-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar bases, coal, distn. residues; Distillate Bases; [The distillation residue remaining after the distillation of the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of coal tars. It contains chiefly aniline, collidines, quinoline and quinoline derivatives and toluidines.]		92062-29-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Hydrocarbon oils, arom., mixed with polyethylene and polypropylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of a polyethylene/polypropylene reaction mass with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 120°C (158°F to 248°F).]		100801-63-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Hydrocarbon oils, arom., mixed with polyethylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polyethylene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of 70°C to 120°C (158°F to 248°F).]		100801-65-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Hydrocarbon oils, arom., mixed with polystyrene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polystyrene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 210°C (158°F to 410°F).]		100801-66-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract residues (coal), tar oil alk., naphthalene distn. residues; Naphthalene Oil Extract Residue; [The residue obtained from chemical oil extracted after the removal of naphthalene by distillation composed primarily of two to four membered condensed ring aromatic hydrocarbons and aromatic nitrogen bases.]		73665-18-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			

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Creosote oil, low-boiling distillate; Wash Oil; [The low-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal, which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillate, removed. It is crystal free at approximately 38°C (100°F).]		70321-80-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
Tar acids, cresylic, sodium salts, caustic solns.; Alkaline Extract		68815-21-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extract oils (coal), tar base; Acid Extract; [The extract from coal tar oil alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove naphthalene. Composed primarily of the acid salts of various aromatic nitrogen bases including pyridine, quinoline, and their alkyl derivatives.]		65996-86-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar bases, coal, crude; Crude Tar Bases; [The reaction product obtained by neutralizing coal tar base extract oil with an alkaline solution, such as aqueous sodium hydroxide, to obtain the free bases. Composed primarily of such organic bases as acridine, phenanthridine, pyridine, quinoline and their alkyl derivatives.]		65996-84-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Residues (coal), liq. solvent extrn.; [A cohesive powder composed of coal mineral matter and undissolved coal remaining after extraction of coal by a liquid solvent.]		94114-46-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Coal liquids, liq. solvent extrn. soln.; [The product obtained by filtration of coal mineral matter and undissolved coal from coal extract solution produced by digesting coal in a liquid solvent. A black, viscous, highly complex liquid combination composed primarily of aromatic and partly hydro-genated aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic and other aromatic oxygen compounds and their alkyl derivatives.]		94114-47-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Coal liquids, liq. solvent extrn.; [The substantially solvent-free product obtained by the distillation of the solvent from filtered coal extract solution produced by digesting coal in a liquid solvent. A black semi-solid, composed primarily of a complex combination of condensed-ring aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic compounds and other aromatic oxygen compounds, and their alkyl derivatives.]		94114-48-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar brown-coal; [An oil distilled from brown-coal tar. Composed primarily of aliphatic, naphthenic and one- to three-ring aromatic hydrocarbons, their alkyl derivatives, heteroaromatics and one- and two-ring phenols boiling in the range of approximately 150 °C to 360 °C (302 °F to 680 °F).]		101316-83-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Tar, brown-coal, low-temp.; [A tar obtained from low temperature carbonization and low temperature gasification of brown coal. Composed primarily of aliphatic, naphthenic and cyclic aromatic hydrocarbons, heteroaromatic hydrocarbons and cyclic phenols.]		101316-84-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Light oil (coal), coke-oven; Crude benzole; [The volatile organic liquid extracted from the gas evolved in the high temperature (greater than 700°C (1292°F)) destructive distillation of coal. Composed primarily of benzene, toluene, and xylenes. May contain other minor hydrocarbon constituents.]		65996-78-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			

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Distillates (coal), liq. solvent extrn., primary; [The liquid product of condensation of vapors emitted during the digestion of coal in a liquid solvent and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of partly hydrogenated condensed-ring aromatic hydrocarbons, aromatic compounds containing nitrogen, oxygen and sulfur, and their alkyl derivatives having carbon numbers predominantly in the range of C4 through C14.]		94114-52-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal), solvent extrn., hydrocracked; [Distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 through C14. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]		94114-53-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (coal), solvent extrn., hydrocracked; [Fraction of the distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 180°C (86°F to 356°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 to C9. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]		94114-54-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gasoline, coal solvent extrn., hydrocracked naphtha; [Motor fuel produced by the reforming of the refined naphtha fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30 °C to 180 °C (86 °F to 356 °F). Composed primarily of aromatic and naphthenic hydrocarbons, their alkyl derivatives and alkyl hydrocarbons having carbon numbers in the range of C4 through C9.]		94114-55-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal), solvent extrn., hydrocracked middle; [Distillate obtained from the hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 300°C (356°F to 572°F). Composed primarily of two-ring aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes having carbon numbers predominantly in the range of C9 through C14. Nitrogen, sulfur and oxygen-containing compounds are also present.]		94114-56-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (coal), solvent extrn., hydrocracked hydrogenated middle; [Distillate from the hydrogenation of hydrocracked middle distillate from coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 280°C (356°F to 536°F). Composed primarily of hydrogenated two- ring carbon compounds and their alkyl derivatives having carbon numbers predominantly in the range of C9 through C14.]		94114-57-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Light oil (coal), semi-coking process; Fresh oil; [The volatile organic liquid condensed from the gas evolved in the low-temperature (less than 700°C (1292°F)) destructive distillation of coal. Composed primarily of C6-10 hydrocarbons.]		90641-11-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), light naphthenic distillate solvent		64742-03-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Extracts (petroleum), heavy paraffinic distillate solvent		64742-04-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
Extracts (petroleum), light paraffinic distillate solvent		64742-05-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extracts (petroleum), heavy naphthenic distillate solvent		64742-11-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extracts (petroleum), light vacuum gas oil solvent		91995-78-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
hydrocarbons C26-55, arom-rich		97722-04-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Residues (petroleum), atm. tower; Heavy Fuel oil; [A complex residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64741-45-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Gas oils (petroleum), heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350 °C to 600 °C (662 °F to 1112 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64741-57-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Distillates (petroleum), heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260 °C to 500 °C (500 °F to 932 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64741-61-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Clarified oils (petroleum), catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64741-62-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Residues (petroleum), hydrocracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products of a hydrocracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F).]		64741-75-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Residues (petroleum), thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64741-80-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			

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Distillates (petroleum), heavy thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C15 through C36 and boiling in the range of approximately 260 °C to 480 °C (500 °F to 896 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64741-81-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), hydrotreated vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C50 and boiling in the range of approximately 230 °C to 600 °C (446 °F to 1112 °F). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64742-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), hydrodesulfurized atmospheric tower; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating an atmospheric tower residuum with hydrogen in the presence of a catalyst under conditions primarily to remove organic sulfur compounds. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64742-78-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), hydrodesulfurized heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350 °C to 600 °C (662 °F to 1112 °C). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64742-86-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), steam-cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained as the residual fraction from the distillation of the products of a steam cracking process (including steam cracking to produce ethylene). It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C14 and boiling above approximately 260 °C (500 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		64742-90-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), atmospheric; Heavy Fuel oil; [A complex residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C11 and boiling above approximately 200 °C (392 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		68333-22-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Clarified oils (petroleum), hydrodesulfurized catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating catalytic cracked clarified oil with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		68333-26-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating intermediate catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205 °C to 450 °C (401 °F to 842 °F). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.]		68333-27-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrodesulfurized heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treatment of heavy catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260 °C to 500 °C (500 °F to 932 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		68333-28-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Fuel oil, residues-straight-run gas oils, high-sulfur; Heavy Fuel oil		68476-32-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Fuel oil, residual; Heavy Fuel oil; [The liquid product from various refinery streams, usually residues. The composition is complex and varies with the source of the crude oil.]		68476-33-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), catalytic reformer fractionator residue distn.; Heavy Fuel oil; [A complex residuum from the distillation of catalytic reformer fractionator residue. It boils approximately above 399 °C (750 °F).]		68478-13-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), heavy coker gas oil and vacuum gas oil; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and vacuum gas oil. It predominantly consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230 °C (446 °F).]		68478-17-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), heavy coker and light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and light vacuum gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230 °C (446 °F).]		68512-61-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), light vacuum; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230 °C (446 °F).]		68512-62-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), steam-cracked light; Heavy Fuel oil; [A complex residuum from the distillation of the products from a steam-cracking process. It consists predominantly of aromatic and unsaturated hydrocarbons having carbon numbers greater than C7 and boiling in the range of approximately 101 °C to 555 °C (214 °F to 1030 °F).]		68513-69-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Fuel oil, No 6; Heavy Fuel oil; [A distillate oil having a minimum viscosity of 900 SUS at 37.7 °C (100 °F) to a maximum of 9000 SUS at 37.7 °C (100 °F).]		68553-00-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), topping plant, low-sulfur; Heavy Fuel oil; [A low-sulfur complex combination of hydrocarbons produced as the residual fraction from the topping plant distillation of crude oil. It is the residuum after the straight-run gasoline cut, kerosene cut and gas oil cut have been removed.]		68607-30-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gas oils (petroleum), heavy atmospheric; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C35 and boiling in the range of approximately 121 °C to 510 °C (250 °F to 950 °F).]		68783-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), coker scrubber, Condensed-ring-arom.-contg.; Heavy Fuel oil; [A very complex combination of hydrocarbons produced as the residual fraction from the distillation of vacuum residuum and the products from a thermal cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		68783-13-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), petroleum residues vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from the atmospheric distillation of crude oil.]		68955-27-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), steam-cracked, resinous; Heavy Fuel oil; [A complex residuum from the distillation of steam-cracked petroleum residues.]		68955-36-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), intermediate vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum, distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C14 through C42 and boiling in the range of approximately 250 °C to 545 °C (482 °F to 1013 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		70592-76-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C35 and boiling in the range of approximately 250 °C to 545 °C (482 °F to 1013 °F).]		70592-77-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having numbers predominantly in the range of C15 through C50 and boiling in the range of approximately 270 °C to 600 °C (518 °F to 1112 °F). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		70592-78-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), hydrodesulfurized coker heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by hydrodesulfurization of heavy coker distillate stocks, It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C18 to C44 and boiling in the range of approximately 304 °C to 548 °C (579 °F to 1018 °F). Likely to contain 5 % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]		85117-03-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), steam-cracked, distillates; Heavy Fuel oil; [A complex combination of hydrocarbons obtained during the production of refined petroleum tar by the distillation of steam cracked tar. It consists predominantly of aromatic and other hydrocarbons and organic sulfur compounds.]		90669-75-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), vacuum, light; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C24 and boiling above approximately 390 °C (734 °F).]		90669-76-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Fuel oil, heavy, high-sulfur; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude petroleum. It consists predominantly of aliphatic, aromatic and cycloaliphatic hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400 °C (752 °F).]		92045-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), catalytic cracking; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C11 and boiling above approximately 200 °C (392 °F).]		92061-97-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), intermediate catalytic cracked, thermally degraded; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 220 °C to 450 °C (428 °F to 842 °F). This stream is likely to contain organic sulfur compounds.]		92201-59-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residual oils (petroleum); Heavy Fuel oil; [A complex combination of hydrocarbons, sulfur compounds and metal-containing organic compounds obtained as the residue from refinery fractionation cracking processes. It produces a finished oil with a viscosity above 2cSt. at 100 °C.]		93821-66-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues, steam cracked, thermally treated; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the treatment and distillation of raw steam-cracked naphtha. It consists predominantly of unsaturated hydrocarbons boiling in the range above approximately 180 °C (356 °F).]		98219-64-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrodesulfurized full-range middle; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum stock with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 °C to 400 °C (302 °F to 752 °F).]		101316-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), catalytic reformer fractionator; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through C25 and boiling in the range of approximately 160 °C to 400 °C (320 °F to 725 °F). This stream is likely to contain 5 wt. % or more of 4- or 6-membered condensed ring aromatic hydrocarbons.]		64741-67-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petroleum; Crude oil; [A complex combination of hydrocarbons, It consists predominantly of aliphatic, alicyclic and aromatic hydrocarbons. It may also contain small amounts of nitrogen, oxygen and sulfur compounds. This category encompasses light, medium, and heavy petroleum, as well as the oils extended from tar sands. Hydrocarbonaceous materials requiring major chemical changes for their recovery or conversion to petroleum refinery feedstocks such as crude shale oils; upgraded shale oils and liquid coal fuels are not included in this definition.]		8002-05-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA		
Distillates (petroleum), light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated aliphatic hydrocarbons normally present in this distillation range of crude oil.]		64741-50-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated aliphatic hydrocarbons.]		64741-51-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]		64741-52-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]		64741-53-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), acid-treated heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]		64742-18-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), acid-treated light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]		64742-19-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), acid-treated heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C).]		64742-20-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		

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Distillates (petroleum), acid-treated light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C).]		64742-21-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), chemically neutralized heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained from a treating process to remove acidic materials. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of aliphatic hydrocarbons.]		64742-27-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), chemically neutralized light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity less than 100 SUS at 100 °F (19cSt at 40 °C).]		64742-28-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), chemically neutralized heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]		64742-34-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), chemically neutralized light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]		64742-35-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists of hydrocarbons having carbon numbers in the range of C2 through C4, predominantly C3.]		68477-73-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic cracker; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68477-74-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic cracker, C1-5-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C1 through C6, predominantly C1 through C5.]		68477-75-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic polycond. naphtha stabilizer overhead, C2-4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having carbon numbers in the range of C2 through C6, predominantly C2 through C4.]		68477-76-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gases (petroleum), catalytic reformer, C1-4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in the range of C1 through C6, predominantly C1 through C4.]		68477-79-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed; Petroleum gas; [A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C3 through C5 which are used as alkylation feed. Ambient temperatures normally exceed the critical temperature of these combinations.]		68477-83-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.]		68477-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), deethanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane and ethylene.]		68477-86-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), deisobutanizer tower overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]		68477-87-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), depropanizer dry, propene-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly of propylene with some ethane and propane.]		68477-90-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]		68477-91-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), gas recovery plant depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons obtained by fractionation of miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4, predominantly propane.]		68477-94-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), Girbatol unit feed; Petroleum gas; [A complex combination of hydrocarbons that is used as the feed into the Girbatol unit to remove hydrogen sulfide. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]		68477-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide-free; Petroleum gas		68477-99-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked clarified oil and thermal cracked vacuum residue. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68478-21-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Tail gas (petroleum), catalytic cracked naphtha stabilization absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68478-22-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionator; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hydrodesulfurizing processes treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68478-24-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic reformed naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68478-26-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), saturate gas plant mixed stream, C4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer tail gas. It consists of hydrocarbons having carbon numbers in the range of C3 through C6, predominantly butane and isobutane.]		68478-32-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), saturate gas recovery plant, C1-2-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of distillate tail gas, straight-run naphtha, catalytic reformed naphtha stabilizer tail gas. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C5, predominantly methane and ethane.]		68478-33-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), vacuum residues thermal cracker; Petroleum gas; [A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68478-34-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.]		68512-91-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), full-range straight-run naphtha dehexanizer off; petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]		68513-15-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich; Petroleum gas; [A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4. It may also contain small amounts of hydrogen and hydrogen sulfide.]		68513-16-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), light straight-run naphtha stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]		68513-17-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Residues (petroleum), alkylation splitter, C4-rich; Petroleum gas; [A complex residuum from the distillation of streams various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C4 through C5, predominantly butane and boiling in the range of approximately - 11.7 °C to 27.8 °C (11 °F to 82 °F).]		68513-66-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C1-4; Petroleum gas; [A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately minus 164 °C to minus 0.5 °C (- 263 °F to 31 °F).]		68514-31-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C1-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately - 164 °C to - 0.5 °C (- 263 °F to 31 °F).]		68514-36-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C1-3; Petroleum gas; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C1 through C3 and boiling in the range of approximately minus 164 °C to minus 42 °C (- 263 °F to - 44 °F).]		68527-16-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C1-4, debutanizer fraction; Petroleum gas		68527-19-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C1-5, wet; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil and/or the cracking of tower gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68602-83-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C2-4; Petroleum gas		68606-25-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C3; Petroleum gas		68606-26-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), alkylation feed; Petroleum gas; [A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]		68606-27-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), depropanizer bottoms fractionation off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and butadiene.]		68606-34-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), refinery blend; Petroleum gas; [A complex combination obtained from various processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68783-07-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic cracking; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]		68783-64-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gases (petroleum), C2-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C2 through C4 and boiling in the range of approximately - 51 °C to - 34 °C (- 60 °F to - 30 °F).]		68783-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), crude oil fractionation off; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68918-99-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), dehexanizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68919-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), light straight run gasoline fractionation stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68919-05-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), naphtha unfiner desulfurization stripper off; Petroleum gas; [A complex combination of hydrocarbons produced by a naphtha unfiner desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68919-06-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), straight-run naphtha catalytic reforming off; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and fractionation of the total effluent. It consists of methane, ethane, and propane.]		68919-09-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), fluidized catalytic cracker splitter overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of the charge to the C3-C4 splitter. It consists predominantly of C3 hydrocarbons.]		68919-20-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), straight-run stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68919-10-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic cracked naphtha debutanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68952-76-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of catalytic cracked naphtha and distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68952-77-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber; petroleum gas; [A complex combination of hydrocarbons obtained from the separation of thermal-cracked distillates, naphtha and gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68952-81-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of thermal cracked hydrocarbons from petroleum coking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68952-82-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum, light steam-cracked, butadiene conc.; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists of hydrocarbons having a carbon number predominantly of C4.]		68955-28-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]		68955-34-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C4; Petroleum gas		87741-01-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Alkanes, C1-4, C3-rich; Petroleum gas		90622-55-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), steam-cracker C3-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a steam cracking process. It consists predominantly of propylene with some propane and boils in the range of approximately - 70 °C to 0 °C (- 94 °F to 32 °F).]		92045-22-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C4, steam-cracker distillate; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products of a steam cracking process. It consists predominantly of hydrocarbons having a carbon number of C4, predominantly 1-butene and 2-butene, containing also butane and isobutene and boiling in the range of approximately minus 12 °C to 5 °C (10.4 °F to 41 °F).]		92045-23-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petroleum gases, liquefied, sweetened, C4 fraction; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a liquefied petroleum gas mix to a sweetening process to oxidize mercaptans or to remove acidic impurities. It consists predominantly of C4 saturated and unsaturated hydrocarbons.]		92045-80-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C4, 1,3-butadiene- and isobutene-free; Petroleum gas		95465-89-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extrn., C3-5 and C3-5 unsatd., butadiene-free; Petroleum gas		97722-19-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), amine system feed; Refinery gas; [The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen, carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5 may also be present.]		68477-65-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), benzene unit hydrodesulfurizer off; Refinery gas; [Off gases produced by the benzene unit. It consists primarily of hydrogen, carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6, including benzene, may also be present.]		68477-66-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gases (petroleum), benzene unit recycle, hydrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by recycling the gases of the benzene unit. It consists primarily of hydrogen with various small amounts of carbon monoxide and hydrocarbons having carbon numbers in the range of C1 through C6.]		68477-67-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), blend oil, hydrogen-nitrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by distillation of a blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide, and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68477-68-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic reformed naphtha stripper overheads; Refinery gas; [A complex combination of hydrocarbons obtained from stabilization of catalytic reformed naphtha. Its consists of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68477-77-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C6-8 catalytic reformer recycle; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8 feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It may also contain various small amounts of carbon monoxide, carbon dioxide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68477-80-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C6-8 catalytic reformer; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8feed. It consists of hydrocarbons having carbon numbers in the range of C1 through C5 and hydrogen.]		68477-81-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich; Refinery gas		68477-82-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C2-return stream; Refinery gas; [A complex combination of hydrocarbons obtained by the extraction of hydrogen from a gas stream which consists primarily of hydrogen with small amounts of nitrogen, carbon monoxide, methane, ethane, and ethylene. It contains predominantly hydrocarbons such as methane, ethane, and ethylene with small amounts of hydrogen, nitrogen and carbon monoxide.]		68477-84-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), dry sour, gas-concn.-unit-off; Refinery gas; [The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]		68477-92-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), gas concn. reabsorber distn.; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide and hydrocarbons having carbon numbers in the range of C1 through C3.]		68477-93-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), hydrogen absorber off; Refinery gas; [A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C2 hydrocarbons.]		68477-96-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gases (petroleum), hydrogen-rich; Refinery gas; [A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and C2 hydrocarbons.]		68477-97-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich; Refinery gas; [A complex combination obtained from recycled hydrotreated blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68477-98-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), recycle, hydrogen-rich; Refinery gas; [A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.]		68478-00-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), reformer make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68478-01-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), reforming hydrotreater; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]		68478-02-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon dioxide, nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C5.]		68478-03-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68478-04-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), thermal cracking distn.; Refinery gas; [A complex combination produced by distillation of products from a thermal cracking process. It consists of hydrogen, hydrogen sulfide, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68478-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), catalytic cracker refractionation absorber; Refinery gas; [A complex combination of hydrocarbons obtained from refractionation of products from a catalytic cracking process. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]		68478-25-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), catalytic reformed naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68478-27-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Tail gas (petroleum), catalytic reformed naphtha stabilizer; Refinery gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68478-28-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), cracked distillate hydrotreater separator; Refinery gas; [A complex combination of hydrocarbons obtained by treating cracked distillates with hydrogen in the presence of a catalyst. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68478-29-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68478-30-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consists of hydrogen, methane, ethane and propane.]		68513-14-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), reformer effluent high-pressure flash drum off; Refinery gas; [A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]		68513-18-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), reformer effluent low-pressure flash drum off; Refinery gas; [A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]		68513-19-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), oil refinery gas distn. off; Refinery gas; [A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C1 through C6 or obtained by cracking ethane and propane. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C2, hydrogen, nitrogen, and carbon monoxide.]		68527-15-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), benzene unit hydrotreater depentanizer overheads; Refinery gas; [A complex combination produced by treating the feed from the benzene unit with hydrogen in the presence of a catalyst followed by depentanizing. It consists primarily of hydrogen, ethane and propane with various small amounts of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6. It may contain trace amounts of		68602-82-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator; Refinery gas; [A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic cracker. It consists of hydrogen, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]		68602-84-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petroleum products, refinery gases; Refinery gas; [A complex combination which consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]		68607-11-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gases (petroleum), hydrocracking low-pressure separator; Refinery gas; [A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]		68783-06-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), refinery; Refinery gas; [A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]		68814-67-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), platformer products separator off; Refinery gas; [A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]		68814-90-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off; Refinery gas; [The complex combination obtained from the depentanizer stabilization of hydrotreated kerosine. It consists primarily of hydrogen, methane, ethane, and propane with various small amounts of nitrogen, hydrogen sulfide, carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C4 through C5.]		68911-58-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), hydrotreated sour kerosine flash drum; Refinery gas; [A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with various small amounts of nitrogen, carbon monoxide, and hydrocarbons having carbon numbers predominantly in the range of C2 through C5.]		68911-59-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), distillate unifier desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the unifier desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.]		68919-01-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), fluidized catalytic cracker fractionation off; Refinery gas; [A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68919-02-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off; Refinery gas; [A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane, ethane and propane.]		68919-03-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the heavy distillate hydrotreater desulfurization process. It consists of hydrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68919-04-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), platformer stabilizer off, light ends fractionation; Refinery gas; [A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane and propane.]		68919-07-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gases (petroleum), preflash tower off, crude distn.; Refinery gas; [A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68919-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), tar stripper off; Refinery gas; [A complex combination obtained by the fractionation of reduced crude oil. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68919-11-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), unifier stripper off; Refinery gas; [A combination of hydrogen and methane obtained by fractionation of the products from the unifier unit.]		68919-12-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha. It consists of hydrogen, methane, ethane, and propane.]		68952-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), straight-run naphtha hydrodesulfurizer; Refinery gas; [A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68952-80-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation; Refinery gas; [A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfurizer. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68955-33-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), crude distn. and catalytic cracking; Refinery gas; [A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68989-88-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), gas oil diethanolamine scrubber off; Refinery gas; [A complex combination produced by desulfurization of gas oils with diethanolamine. It consists predominantly of hydrogen sulfide, hydrogen and aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.]		92045-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), gas oil hydrodesulfurization effluent; Refinery gas; [A complex combination obtained by separation of the liquid phase from the effluent from the hydrogenation reaction. It consists predominantly of hydrogen, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]		92045-16-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), gas oil hydrodesulfurization purge; Refinery gas; [A complex combination of gases obtained from the reformer and from the purges from the hydrogenation reactor. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		92045-17-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), hydrogenator effluent flash drum off; Refinery gas; [A complex combination of gases obtained from flash of the effluents after the hydrogenation reaction. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		92045-18-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			



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Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of straight run distillates and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68308-10-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), gas oil catalytic cracking absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of products from the catalytic cracking of gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68308-03-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), gas recovery plant; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68308-04-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), gas recovery plant deethanizer; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68308-05-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of hydrodesulfurized naphtha and distillate hydrocarbon streams and treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68308-06-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68308-07-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of light straight run naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68308-09-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the reaction products of propane with propylene. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68308-11-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]		68308-12-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gases (petroleum), catalytic cracked overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C5 and boiling in the range of approximately - 48 °C to 32 °C (- 54 °F to 90 °F).]		68409-99-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Alkanes, C1-2; Petroleum gas		68475-57-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Alkanes, C2-3; Petroleum gas		68475-58-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Alkanes, C3-4; petroleum gas		68475-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Alkanes, C4-5; Petroleum gas		68475-60-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Fuel gases; Petroleum gas; [A combination of light gases. It consists predominantly of hydrogen and/or low molecular weight hydrocarbons.]		68476-26-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Fuel gases, crude oil of distillates; Petroleum gas; [A complex combination of light gases produced by distillation of crude oil and by catalytic reforming of naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately - 217 °C to - 12 °C (- 423 °F to 10 °F).]		68476-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C3-4; Petroleum gas		68476-40-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C4-5; Petroleum gas		68476-42-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C2-4, C3-rich; Petroleum gas		68476-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately - 40 °C to 80 °C (- 40 °F to 176 °F).]		68476-85-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petroleum gases, liquefied, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately - 40 °C to 80 °C (- 40 °F to 176 °F).]		68476-86-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C3-4, isobutane-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly butane and isobutane. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C4, predominantly isobutane.]		68477-33-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), C3-6, piperylene-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C3 through C6. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C6, predominantly piperlenes.]		68477-35-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gases (petroleum), butane splitter overheads; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]		68477-69-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), C2-3-; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene, propane, and propylene.]		68477-70-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide and other acidic components. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.]		68477-71-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]		68477-72-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Tail gas (petroleum), isomerized naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]		68308-08-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Foots oil (petroleum), carbon-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with activated carbon for the removal of trace constituents and impurities. It consists predominantly of saturated straight chain hydrocarbons having carbon numbers predominantly greater than C12.]		97862-76-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), sweetened middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150 °C to 345 °C (302 °F to 653 °F).]		64741-86-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), solvent-refined; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]		64741-90-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent-refined middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150 °C to 345 °C (302 °F to 653 °F).]		64741-91-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), acid-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230 °C to 400 °C (446 °F to 752 °F).]		64742-12-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Distillates (petroleum), acid-treated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C20 and boiling in the range of approximately 205 °C to 345 °C (401 °F to 653 °F).]		64742-13-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), acid-treated light; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).]		64742-14-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), chemically neutralized; Gasoil - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230 °C to 400 °C (446 °F to 752 °F).]		64742-29-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), chemically neutralized middle; Gasoil - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C20 and boiling in the range of approximately 205 °C to 345 °C (401 °F to 653 °F).]		64742-30-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), clay-treated middle; Gasoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150 °C to 345 °C (302 °F to 653 °F).]		64742-38-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]		64742-46-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), hydrodesulfurized; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230 °C to 400 °C (446 °F to 752 °F).]		64742-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrodesulfurized middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]		64742-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), catalytic reformer fractionator residue, high-boiling; Gasoil - unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 343 °C to 399 °C (650 °F to 750 °F).]		68477-29-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling; Gasoil - unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 288 °C to 371 °C (550 °F to 700 °F).]		68477-30-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling; Gasoil - unspecified; [The complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils approximately below 288 °C (550 °F).]		68477-31-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), highly refined middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the subjection of a petroleum fraction to several of the following steps: filtration, centrifugation, atmospheric distillation, vacuum distillation, acidification, neutralization and clay treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C10 through C20.]		90640-93-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum) catalytic reformer, heavy arom. conc.; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from the distillation of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through C16 and boiling in the range of approximately 200 °C to 300 °C (392 °F to 572 °F).]		91995-34-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils, paraffinic; Gasoil - unspecified; [A distillate obtained from the redistillation of a complex combination of hydrocarbons obtained by the distillation of the effluents from a severe catalytic hydrotreatment of paraffins. It boils in the range of approximately 190 °C to 330 °C (374 °F to 594 °F).]		93924-33-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), solvent-refined hydrodesulfurized heavy; Gasoil - unspecified		97488-96-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C16-20, hydrotreated middle distillate, distn. lights; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a middle distillate with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C20 and boiling in the range of approximately 290 °C to 350 °C (554 °F to 662 °F). It produces a finished oil having a viscosity of 2cSt at 100 °C (212 °F).]		97675-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C12-20, hydrotreated paraffinic, distn. lights; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of heavy paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C20 and boiling in the range of approximately 230 °C to 350 °C (446 °F to 662 °F). It produces a finished oil having a viscosity of 2cSt at 100 °C (212 °F).]		97675-86-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C11-17, solvent-extd. light naphthenic; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 2.2 cSt at 40 °C (104 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C11 through C17 and boiling in the range of approximately 200 °C to 300 °C (392 °F to 572 °F).]		97722-08-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Gas oils, hydrotreated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from the redistillation of the effluents from the treatment of paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C27 and boiling in the range of approximately 330 °C to 340 °C (626 °F to 644 °F).]		97862-78-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), carbon-treated light paraffinic; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of a petroleum oil fraction with activated charcoal for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C28.]		100683-97-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), intermediate paraffinic, carbon-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C36.]		100683-98-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), intermediate paraffinic, clay-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with bleaching earth for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C36.]		100683-99-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Alkanes, C12-26-branched and linear		90622-53-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating greases; Grease; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. May contain organic salts of alkali metals, alkaline earth metals, and/or aluminium compounds.]		74869-21-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum); Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent crystallization (solvent dewaxing) or as a distillation fraction from a very waxy crude. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.]		64742-61-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), acid-treated; Slack wax; [A complex combination of hydrocarbons obtained as a raffinate by treatment of a petroleum slack wax fraction with sulfuric acid treating process. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.]		90669-77-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of a petroleum slack wax fraction with natural or modified clay in either a contacting or percolation process. It consists predominantly of saturated straight and branched hydrocarbons having carbon numbers predominantly greater than C20.]		90669-78-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treating slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.]		92062-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), low-melting; Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent deparaffination. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		92062-10-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Slack wax (petroleum), low-melting, hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of low-melting petroleum slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		92062-11-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), low-melting, carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting slack wax with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		97863-04-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), low-melting, clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with bentonite for removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		97863-05-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), low-melting, silicic acid-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]		97863-06-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Slack wax (petroleum), carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of petroleum slack wax with activated charcoal for the removal of trace polar constituents and impurities.]		100684-49-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petrolatum; Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxing paraffinic residual oil. It consists predominantly of saturated crystalline and liquid hydrocarbons having carbon numbers predominantly greater than C25.]		8009-03-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petrolatum (petroleum), oxidized; Petrolatum; [A complex combination of organic compounds, predominantly high molecular weight carboxylic acids, obtained by the air oxidation of petrolatum.]		64743-01-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petrolatum (petroleum), alumina-treated; Petrolatum; [A complex combination of hydrocarbons obtained when petrolatum is treated with Al2O3 to remove polar components and impurities. It consists predominantly of saturated, crystalline, and liquid hydrocarbons having carbon numbers predominantly greater than C25.]		85029-74-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petrolatum (petroleum), hydrotreated; Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxed paraffinic residual oil treated with hydrogen in the presence of a catalyst. It consists predominantly of saturated microcrystalline and liquid hydrocarbons having carbon numbers predominantly greater than C20.]		92045-77-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petrolatum (petroleum), carbon-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C20.]		97862-97-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Petrolatum (petroleum), silicic acid-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C20.]		97862-98-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Petrolatum (petroleum), clay-treated; Petrolatum; [A complex combination of hydrocarbons obtained by treatment of petrolatum with bleaching earth for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of greater than C25.]		100684-33-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gasoline, natural; Low boiling point naphtha; [A complex combination of hydrocarbons separated from natural gas by processes such as refrigeration or absorption. It consists predominantly of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of approximately minus 20°C to 120°C (-4°F to 248°F).]		8006-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha; Low boiling point naphtha; [Refined, partly refined, or unrefined petroleum products produced by the distillation of natural gas. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in the range of approximately 100°C to 200°C (212°F to 392°F).]		8030-30-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Ligroine; Low boiling point naphtha; [A complex combination of hydrocarbons obtained by the fractional distillation of petroleum. This fraction boils in a range of approximately 20°C to 135°C (58°F to 275°F).]		8032-32-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), heavy straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]		64741-41-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), full-range straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 220°C (-4°F to 428°F).]		64741-42-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately -20°C to 180°C (-4°F to 356°F).]		64741-46-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C5 through C10 and boiling in the range of approximately 35°C to 160°C (95°F to 320°F).]		64742-89-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), straight-run light; Low boiling point naphtha; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C7 and boiling in the range of approximately -88°C to 99°C (-127°F to 210°F).]		68410-05-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Gasoline, vapor-recovery; Low boiling point naphtha; [A complex combination of hydrocarbons separated from the gases from vapor recovery systems by cooling. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 196°C(-4°F to 384°F).]		68514-15-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gasoline, straight-run, topping-plant; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the topping plant by the distillation of crude oil. It boils in the range of approximately 36.1°C to 193.3°C (97°F to 380°F).]		68606-11-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), unsweetened; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the distillation of naphtha streams from various refinery processes. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 0°C to 230°C (25°F to 446°F).]		68783-12-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light straight-run gasoline fractionation stabilizer overheads; Low boiling point naphtha; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C6.]		68921-08-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), heavy straight run, arom.-contg.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from a distillation process of crude petroleum. It consists predominantly of hydrocarbons having carbon numbers in the range of C8 through C12 and boiling in the range of approximately 130°C to 210°C (266°F to 410°F).]		101631-20-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), full-range alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 220°C (194°F to 428°F).]		64741-64-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).]		64741-65-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), solvent-refined heavy; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]		64741-92-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts.; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from the UDEX extraction process on the catalytic reformer stream. It consists of saturated hydrocarbons having carbon numbers predominantly in the range of C6 through C9.]		68410-71-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Raffinates (petroleum), reformer, Lurgi unit-sepd.; Low boiling point modified naphtha; [The complex combination of hydrocarbons obtained as a raffinate from a Lurgi separation unit. It consists predominantly of non-aromatic hydrocarbons with various small amounts of aromatic hydrocarbons having carbon numbers predominantly in the range of C6 through C8.]		68425-35-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C12 with some butanes and boiling in the range of approximately 35 oC to 200 oC (95 oF to 428 oF).]		68527-27-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), naphtha steam cracking-derived, solvent- refined light hydrotreated; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinates from a solvent extraction process of hydrotreated light distillate from steam-cracked naphtha.]		91995-53-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum),C4-12, butane-alkylate, isooctane-rich; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by alkylation of butanes. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12, rich in isooctane, and boiling in the range of approximately 35 oC to 210 oC (95oF to 410oF).]		92045-49-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, hydrotreated light naphtha distillates, solvent- refined; Low boiling point modified naphtha; [A combination of hydrocarbons obtained from the distillation of hydrotreated naphtha followed by a solvent extraction and distillation process. It consists predominantly of saturated hydrocarbons boiling in the range of approximately 94 oC to 99 oC (201 oF to 210 oF).]		92045-55-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), isomerisation, C6-fraction; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by distillation of a gasoline which has been catalytically isomerized. It consists predominantly of hexane isomers boiling in the range of approximately 60 oC to 66 oC (140oF to 151oF).]		92045-58-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C6-7, naphtha- cracking, solvent-refined; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by the sorption of benzene from a catalytically fully hydrogenated benzene-rich hydrocarbon cut that was distillatively obtained from prehydrogenated cracked naphtha. It consists predomi nantly of paraffinic and naphthenic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approximately 70 oC to 100 oC (158oF to 212oF).]		92045-64-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C6-rich, hydrotreated light naphtha distillates, solvent-refined; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by distillation of hydrotreated naphtha followed by solvent extraction. It consists predominantly of saturated hydrocarbons and boiling in the range of approximately 65o C to 70o C (149oF to 158oF).]		101316-67-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Naphtha (petroleum), heavy catalytic cracked; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by a distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65 oC to 230 oC (148oF to 446 oF). It contains a relatively large proportion of unsaturated hydrocarbons.]		64741-54-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light catalytic cracked; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately - 20 oC to 190 oC (- 4 oF to 374 oF). It contains a relatively large proportion of unsaturated hydrocarbons.]		64741-55-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C3-11, catalytic cracker distillates; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillations of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C11 and boiling in a range approximately up to 204 oC (400oF).]		68476-46-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), catalytic cracked light distd.; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]		68783-09-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), naphtha steam cracking-derived, hydro- treated light arom.; Low boiling point cat-cracked naphtha.; [A complex combination of hydrocarbons obtained by treating a light distillate from steam-cracked naphtha. It consists predominantly of aromatic hydrocarbons.]		91995-50-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), heavy catalytic cracked, sweetened; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting a catalytic cracked petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 60 oC to 200 oC (140oF to 392oF).]		92045-50-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light catalytic cracked sweetened; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting naphtha from a catalytic cracking process to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons boiling in a range of approximately 35 oC to 210 oC (95oF to 410oF).]		92045-59-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C8-12, catalytic- cracking, chem. neutralized; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of a cut from the catalytic cracking process, having undergone an alkaline washing. It consists predominantly of hydrocarbons having carbon numbers in the range of C8 through C12 and boiling in the range of approximately 130 oC to 210 oC (266oF to 410oF).]		92128-94-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Hydrocarbons, C8-12, catalytic cracker distillates; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by distillation of products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C12 and boiling in the range of approximately 140 oC to 210 oC (284oF to 410oF).]		101794-97-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C8-12, catalytic cracking, chem. neutralized, sweetened; Low boiling point cat-cracked naphtha		101896-28-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35 oC to 190o C (95oF to 374oF). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol.% or more benzene.]		64741-63-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), heavy catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90 oC to 230 oC (194oF to 446oF).]		64741-68-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), catalytic reformed depentanizer; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons from the distillation of products from a catalytic reforming process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately - 49 oC to 63 oC (-57oF to 145oF).]		68475-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C2-6, C6-8 catalytic reformer; Low boiling point cat-reformed naphtha		68476-47-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), C6-8 catalytic reformer; Low boiling point cat-reformed naphtha; [A complex residuum from the catalytic reforming of C6-8 feed. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]		68478-15-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light catalytic reformed, arom.-free; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained from distillation of products from a catalytic reforming process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C8 and boiling in the range of approximately 35o C to 120o C (95 oF to 248 oF). It contains a relatively large proportion of branched chain hydrocarbons with the aromatic components removed.]		68513-03-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), catalytic reformed straight-run naphtha overheads; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight- run naphtha followed by the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]		68513-63-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Petroleum products, hydrofiner-powerformer reformates; Low boiling point cat-reformed naphtha; [The complex combination of hydrocarbons obtained in a hydrofiner-powerformer process and boiling in a range of approximately 27 oC to 210 oC (80oF to 410oF).]		68514-79-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), full-range reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 35o C to 230 oC (95oF to 446oF).]		68919-37-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 30 oC to 220 oC (90oF to 430oF). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol. % or more benzene.]		68955-35-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), catalytic reformed hydrotreated light, C8-12 arom. fraction;-Low boiling point cat-reformed naphtha; [A complex combination of alkylbenzenes obtained by the catalytic reforming of petroleum naphtha. It consists predominantly of alkylbenzenes having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 160 oC to 180 oC (320oF to 356oF).]		85116-58-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C8, catalytic reforming-derived; Low boiling point cat-reformed naphtha		91995-18-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C7-12, C8-rich; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate- containing fraction. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 (primarily C8) and can contain nonaromatic hydrocarbons, both boiling in the range of approximately 130 oC to 200 oC (266oF to 392oF).]		93571-75-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gasoline, C5-11, high-octane stabilised reformed; Low boiling point cat-reformed naphtha; - [A complex high octane combination of hydrocarbons obtained by the catalytic dehydrogenation of a predominantly naphthenic naphtha. It consists predominantly of aromatics and non-aromatics having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 45 oC to 185 oC (113oF to 365		93572-29-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C7-12, C≥9-arom.- rich, reforming heavy fraction; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate- containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 120 oC to 210 oC (248oF to 380oF) and C9 and higher aromatic hydrocarbons.]		93572-35-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Hydrocarbons, C5-11, nonaroms. - rich, reforming light fraction; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate- containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35 oC to 125 oC (94oF to 257oF), benzene and toluene.]		93572-36-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Foots oil (petroleum), silicic acid-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with silicic acid for removal of trace constituents and impurities. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C12.]		97862-77-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light thermal cracked; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons from distillation of products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of approximately -10 oC to 130 oC (14oF to 266oF).]		64741-74-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), heavy thermal cracked; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons from distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65o C to 220		64741-83-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), heavy arom.; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This higher boiling fraction consists predominantly of C5-7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having carbon number predominantly of C5. This stream may contain benzene.]		67891-79-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light arom.; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This lower boiling fraction consists predominantly of C5-7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having a carbon number predominantly of C5. This stream may contain benzene.]		67891-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), naphtha- raffinate pyrolyzate-derived, gasoline-blending; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons obtained by the pyrolysis fractionation at 816o C (1 500oF) of naphtha and raffinate. It consists predominantly of hydrocarbons having a carbon number of C9 and boiling at approximately 204 oC (400oF).]		68425-29-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C6-8, naphtha- raffinate pyrolyzate- derived; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons obtained by the fractionation pyrolysis at 816 o C (1 500 oF) of naphtha and raffinate. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C6 through C8, including benzene.]		68475-70-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Distillates (petroleum), thermal cracked naphtha and gas oil; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by distillation of thermally cracked naphtha and/or gas oil. It consists predominantly of olefinic hydrocarbons having a carbon number of C5 and boiling in the range of approximately 33 o C to 60 o C (91 oF to 140 oF).]		68603-00-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), thermal cracked naphtha and gas oil, C5-dimer-contg.; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists predominantly of hydrocarbons having a carbon number of C5 with some dimerized C5 olefins and boiling in the range of approximately 33o C to 184 o C (91oF to 363 oF).]		68603-01-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), thermal cracked naphtha and gas oil, extractive; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists of paraffinic and olefinic hydrocarbons, predominantly isoamylenes such as 2- methyl-1-buteneand 2-methyl-2- butene and boiling in the rangeof approximately 31o C to 40o C (88oF to		68603-03-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light thermal cracked, debutanized arom.; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists predominantly of aromatic hydrocarbons, primarily benzene.]		68955-29-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light thermal cracked, sweetened; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate From the high temperature thermal cracking of heavy oil fractions to a sweetening process to convert mercaptans. It consists predominantly of aromatics, olefins and saturated hydrocarbons boiling in the range of approximately 20 oC to 100 o C (68 oF to 212 oF).]		92045-65-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65o C to 230o C (149oF to 446oF).]		64742-48-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction With hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20o C to 190o C (- 4oF to 374oF).]		64742-49-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), hydrodesulfurized light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in The range of approximately - 20o C to 190o C (- 4oF to 374oF).]		64742-73-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90o C to 230o C (194oF to 446 oF).]		64742-82-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrotreated middle, intermediate boiling; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by the distillation of products from a middle distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C10 and boiling in the range of approximately 127o C to 188o C (262oF to 370oF).]		68410-96-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light distillate hydrotreating process, low-boiling; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3 o C to 194 o C (37 oF to 382 oF).]		68410-97-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by distillation of the products from a heavy naphtha hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately - 49 oC to 68 oC (- 57oF to 155oF).]		68410-98-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Solvent naphtha (petroleum), light arom., hydrotreated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135 oC to 210 oC (275oF to 410oF).]		68512-78-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), hydrodesulfurized thermal cracked light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by fractionation of hydrodesulfurized thermal cracker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 to C11 and boiling in the range of approximately 23 oC to 195 oC (73oF to 383oF).]		85116-60-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), hydrotreated light, cycloalkane-contg.; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from the distillation of a petroleum fraction. It consists predominantly of alkanes and cycloalkanes boiling in the range of approximately - 20o C to 190 oC (- 4oF to 374oF).]		85116-61-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum),heavy steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha		92045-51-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Naphtha (petroleum), hydrodesulfurized full-range; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately 30 oC to 250 oC (86oF to 482oF).]		92045-52-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), hydrotreated light steam-cracked; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction, derived from a pyrolysis process, with hydrogen in the presence of a catalyst. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35o C to 190 oC (95oF to		92045-57-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C4-12, naphtha- cracking, hydrotreated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by distillation from the product of a naphtha steam cracking process and subsequent catalytic selective hydrogenation of gum formers. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 30 oC to 230o C (86oF to 446oF).]		92045-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approximately 73o C to 85o C (163 oF to 185 oF).]		92062-15-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons produced from the separation and subsequent Hydrogenation of the products of a steam-cracking process to produce ethylene. It consists predominantly of saturated and unsaturated paraffins, cyclic paraffins and cyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately 50o C to 200o C (122 oF to 392 oF). The proportion of benzene hydrocarbons may vary up to 30 wt. % and the stream may also contain small amounts of sulfur and oxygenated compounds.]		93165-55-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C6-11, hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.]		93763-33-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C9-12, hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.]		93763-34-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
stoddard solvent; Low boiling point naphtha — unspecified; [A colourless, refined petroleum distillate that is free from rancid or objectionable odours and that boils in a range of approximately 148,8 oC to 204,4 o C (300oF to 400oF).]		8052-41-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Natural gas condensates (petroleum); Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons separated as a liquid from natural gas in a surface separator by retrograde condensation. It consists mainly of hydrocarbons having carbon numbers predominantly in the range of C2 to C20. It is a liquid at atmospheric temperature and pressure.]		64741-47-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Natural gas (petroleum), raw liq. mix; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons separated as a liquid from natural gas in a gas recycling plant by processes such as refrigeration or absorption. It consists mainly of saturated aliphatic hydrocarbons having carbon numbers in the range of C2 through C8.]		64741-48-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light hydrocracked; Low boiling naphtha — unspecified; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C4 through C10, and boiling in the range of approximately - 20 o C to 180 o C (- 4 oF to 356 oF).]		64741-69-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), heavy hydrocracked; Low boiling point naphtha-unspecified; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C6 through C12, and boiling in the range of approximately 65 oC to 230 oC (148oF to 446oF).]		64741-78-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum) sweetened; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately - 10o C to 230o C (14oF to 446oF).]		64741-87-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha(petroleum), acid-treated; Low boilingpoint naphtha -unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90 o C to 230 o C (194 oF to 446 oF).]		64742-15-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), chemically neutralized heavy; Low boilingpoint naphtha — unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65o C to 230o C (149oF to 446oF).]		64742-22-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), chemically neutralized light; Low boilingpoint naphtha -unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately - 20 oC to 190o C (-4 oF to 374 oF).]		64742-23-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), catalytic dewaxed; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained from the catalytic dewaxing of a petroleum fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 35o C to 230 oC (95oF to 446oF).]		64742-66-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Naphtha (petroleum), light steam-cracked; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by the distillation of the products from a steam cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20 oC to 190 oC (- 4oF to 374oF). This stream is likely to contain 10 vol.% or more benzene.]		64742-83-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135 oC to 210 oC (275oF to 410oF).]		64742-95-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C6-10, acid- treated, neutralized; Low boiling point naphtha — unspecified		68131-49-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), C3-5, 2- methyl-2- butene-rich; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons from the distil lation of hydrocarbons usually ranging in carbon numbers from C3 through C5, predominantly isopentane and 3-methyl-1- butene. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C5, predominantly 2-methyl-2-butene.]		68477-34-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), polymd. steam- cracked petroleum distillates, C5-12 fraction; Low boiling point naphtha- unspecified; [A complex combination of hydrocarbons obtained from the distillation of polymerized steam-cracked petroleum distillate. It consists predomi nantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C12.]		68477-50-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), steam- cracked, C5- 12 fraction; Low boiling point naphtha -unspecified; [A complex combination of organic compounds obtained by the distillation of products from a steam cracking process. It consists of unsaturated hydrocarbons having carbon numbers predominantly in the range of C5 through C12.]		68477-53-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), steam- cracked, C5- 10 fraction, mixed with light steam-cracked petroleum naphtha C5 fraction; Low boiling point naphtha -unspecified		68477-55-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), cold-acid, C4-6; Low boiling point naphtha — unspecified; [A complex combination of organic compounds produced by cold acid unit extraction of saturated and unsaturated aliphatic hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly pentanes and amylenes. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers in the range of C4 through C6, predominantly C5.]		68477-61-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), depentanizer overheads; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained from a catalytic cracked gas stream. It consists of aliphatic hydro carbons having carbon numbers predominantly in the range of C4 through C6.]		68477-89-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), butane splitter bottoms; Low boiling point naphtha -unspecified; [A complex residuum from the distillation of butane stream. It consists of aliphatic hydro carbons having carbon numbers predominantly in the range of C4 through C6.]		68478-12-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Residual oils (petroleum), deisobutanizer tower; Low boiling point naphtha -unspecified; [A complex residuum from the atmospheric distillation of the butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C6.]		68478-16-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), full-range coker; Low boiling point naphtha — unspecified; [A complex combination of hydrocarbons produced by the distillation of products from a fluid coker. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C15 and boiling in the range of approximately 43o C to 250o C (110oF-500oF).]		68513-02-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), steam- cracked middle arom.; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons produced by the distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 130o C to 220o C (266oF to 428oF).]		68516-20-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), clay-treated full-range straight-run; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons resulting from treatment of full-range straight- run naphtha with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately - 20o C to 220o C (- 4oF to 429oF).]		68527-21-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), clay-treated light straight-run; Low boiling point naphtha — unspecified; [A complex combination of hydrocarbons resulting from treatment of light straight-run naphtha with a natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C10 and boiling in the range of approximately 93 oC to 180 oC (200oF to 356oF).]		68527-22-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light steam-cracked arom.; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons produced by distillation of products from a steam- cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C9 and boiling in the range of approximately 110o C to 165 o C (230 oF to 329 oF).]		68527-23-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum),light steam- cracked, debenzenized; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by distillation of products from a steam- cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 80o C to 218o C (176oF to 424oF).]		68527-26-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), arom.- contg.; Low boilingpoint naphtha — unspecified		68603-08-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gasoline, pyrolysis, debutanizer bottoms; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists of hydrocarbons having carbon numbers predominantly greater than C5.]		68606-10-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Naphtha (petroleum), light, sweetened; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately - 20o C to 100o C (- 4oF to 212 oF).]		68783-66-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Natural gas condensates; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons separated and/or condensed from natural gas during transportation and collected at the wellhead and/or from the production, gathering, transmission, and distribution pipelines in deeps, scrubbers, etc. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C2 through C8.]		68919-39-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), naphtha unrefined; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons produced by stripping the products from the naphtha unrefined. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]		68921-09-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), catalytic reformed light, arom.-free fraction; Low boiling point naphtha-unspecified; [A complex combination of hydrocarbons remaining after removal of aromatic compounds from catalytic reformed light naphtha in a selective absorption process. It consists predominantly of paraffinic and cyclic compounds having carbon numbers predominantly in the range of C5 to C8 and boiling in the range of approximately 66o C to 121o C (151oF to 250oF).]		85116-59-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gasoline; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons consisting primarily of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons having carbon numbers predominantly greater than C3 and boiling in the range of 30 oC to 260o C (86oF to 500oF).]		86290-81-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C7-8, dealkylation products, distn. residues; Low boiling point naphtha — unspecified		90989-42-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C4-6, deparaffinizer lights, arom. hydrotreater; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained as first runnings from the deparaffinizer column before hydrotreatment of the aromatic charges. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C6, predominantly pentanes and pentenes and boiling in the range of approximately 25 oC to 40 o C (77oF to 104oF).]		91995-38-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), heat- soaked steam-cracked naphtha, C5-rich; Low boiling point naphtha — unspecified; [A complex combination of hydrocarbons obtained by distillation of heat-soaked steam- cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C4 through C6, predominantly C5.]		91995-41-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), catalytic reformed light naphtha solvent; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained as the extract from the solvent extraction of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C8 and boiling in the range of approximately 100 oC to 200 oC (212oF to 392oF).]		91995-68-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

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Naphtha (petroleum), hydrodesulfurized light, dearomatized; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by distillation of hydrodesulfurized and dearomatized light petroleum fractions. It consists predominantly of C7 paraffins and cycloparaffins boiling in a range of approximately 90o C to 100o C (194oF to 212oF).]		92045-53-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light, C5- rich, sweetened; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C5, predominantly C5, and boiling in the range of approximately minus 10 oC to 35o C (14oF to 95oF).]		92045-60-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C8-11, naphtha- cracking, toluene cut; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by distillation from prehydrogenated cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C11 and boiling in the range of approximately 130o C to 205o C (266oF to 401oF).]		92045-62-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C4-11, naphtha- cracking, arom.-free; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained from prehydrogenated cracked naphtha after distillative separation of benzene-and toluene-containing hydrocarbon cuts and a higher boiling fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately 30 o C to 205 o C (86 oF to 401 oF).]		92045-63-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphtha (petroleum), light heat- soaked, steam-cracked; Low boiling point naphtha — unspecified; [A complex combination of hydrocarbons obtained by the fractionation of steam cracked naphtha after recovery from a heat soaking process. It consists predominantly of hydrocarbons having a carbon number predominantly in the range of C4 through C6 and boiling in the range of approximately 0o C to 80o C (32oF to 176oF).]		92201-97-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), C6-rich; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained from the distillation of a petroleum feedstock. It consists predominantly of hydrocarbons having carbon numbers of C5 through C7, rich in C6, and boiling in the range of approximately 60o C to 70o C (140 oF to 158 oF).]		93165-19-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gasoline, pyrolysis, hydrogenated; Low boiling point naphtha- unspecified; [A distillation fraction from the hydrogenation of pyrolysis gasoline boiling in the range of approximately 20o C to 200o C (68oF to 392oF).]		94114-03-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), steam- cracked, C8-12 fraction, polymd., distn. lights; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by distillation of the polymerized C8 through C12 fraction from steam-cracked petroleum distillates. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C12.]		95009-23-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			



5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hydrocarbons, C5-rich, dicyclopentadiene-contg.; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by distillation of the products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers of C5 and dicyclopentadiene and boiling in the range of approximately 30o C to 170o C (86oF to 338oF).]		102110-15-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), steam- cracked light, arom.; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained by the distillation of the products of steamcracking or similar processes after taking off the very light products resulting in a residue starting with hydrocarbons having carbon numbers greater than C5. It consists predominantly of aromatic hydrocarbons having carbon numbers greater than C5 and boiling above approximately 40o C (104oF).]		102110-55-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C≥5, C5-6-rich; Low boiling point naphtha -unspecified		68476-50-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C5-rich; Low boiling point naphtha — unspecified		68476-55-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Aromatic hydrocarbons, C8-10; Low boiling point naphtha -unspecified		90989-39-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 oC to 400 oC (302 oF to 752 oF). It contains a relatively large proportion of bicyclic aromatic hydrocarbons.]		64741-59-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), intermediate catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205 oC to 450 oC (401 oF to 842 oF). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.]		64741-60-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light thermal cracked; Cracked gasoil; [A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C10 through C22 and boiling in the range of approximately 160oC to 370 oC (320oF to 698oF).]		64741-82-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrodesulfurized light catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons obtained by treating light catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 oC to 400 oC (302 oF to 752 oF). It contains a relatively large proportion of bicyclic aromatic hydrocarbons.]		68333-25-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Distillates (petroleum),light steam-cracked naphtha; Cracked gasoil; [A complex combination of hydrocarbons from the multiple distillation of products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C10 through C18.]		68475-80-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), cracked steam-cracked petroleum distil- lates; Cracked gasoil; [A complex combination of hydrocarbons produced by distilling cracked steam cracked distillate and/or its fractionation products. It consists of hydrocarbons having carbon numbers predominantly in the range of C10 to low molecular weight polymers.]		68477-38-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), steam- cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by distillation of the products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C9 and boiling in the range of from approximately 205 oC to 400 oC (400 oF to 752 oF).]		68527-18-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrodesulfurized thermal cracked middle; Cracked gasoil; [A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurized themal cracker distillate stocks. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C11 to C25 and boiling in the range of approximately 205 oC to 400oC (401oF to 752oF).]		85116-53-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Gas oils (petroleum), thermal- cracked, hydrodesulfurized; Cracked gasoil		92045-29-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), hydrogenated steam-cracked naphtha; Cracked gasoil; [A complex combination of hydrocarbons obtained as a residual fraction from the distillation of hydrotreated steam- cracked naphtha. It consists predominantly of hydrocarbons boiling in the range of approximately 200oC to 350oC (32 oF to 662 oF).]		92062-00-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), steam- cracked naphtha distn.; Cracked gasoil; [A complex combination of hydrocarbons obtained as a column bottom from the separation of effluents from steam cracking naphtha at a high temperature. It boils in the range of approximately 147 oC to 300 oC (297 oF to 572 oF) and produces a finished oil having a viscosity of 18cSt at 50 oC.]		92062-04-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), light catalytic cracked, thermally degraded; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 190oC to 340oC (374oF to 644oF). This stream is likely to contain organic sulfur compounds.]		92201-60-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residues (petroleum), steam- cracked heat-soaked naphtha; Cracked gasoil; [A complex combination of hydrocarbons obtained as residue from the distillation of steam cracked heat soaked naphtha and boiling in the range of approximately 150 oC to 350 oC (302 oF to 662 oF).]		93763-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurized; Cracked gasoil; [A complex combination of hydrocarbons obtained by catalytic dehydrodesulfurization of thermal-cracked light vacuum petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C14 through C20 and boiling in the range of approximately 270 oC to 370 oC (518 oF to 698 oF).]		97926-59-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrodesulfurized middle coker; Cracked gasoil; [A complex combination of hydrocarbons by fractionation from hydrodesulfurized coker distillate stocks. It consists of hydrocarbons having carbon numbers predominantly in the range of C12 through C21 and boiling in the range of approximately 200 oC to 360 oC (392 oF to 680 oF).]		101316-59-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), heavy steam-cracked; Cracked gasoil; [A complex combination of hydrocarbons obtained by distillation of steam cracking heavy residues. It consists predominantly of highly alkylated heavy aromatic hydrocarbons boiling in the range of approximately 250 oC to 400 oC (482 oF to 752 oF).]		101631-14-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), heavy hydrocracked; Baseoil — unspecified; [A complex combination of hydrocarbons from the distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers in the range of C15-C39 and boiling in the range of approximately 260 oC to 600 oC (500 oF to 1112 oF).]		64741-76-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- refined heavy paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC).]		64741-88-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- refined light paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]		64741-89-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residual oils (petroleum), solvent deasphalted; Baseoil — unspecified; [A complex combination of hydrocarbons obtained as the solvent soluble fraction from C3-C4 solvent deasphalting of a residuum. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400 oC (752 oF).]		64741-95-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- refined heavy naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64741-96-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA		
Distillates (petroleum), solvent- refined light naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64741-97-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Residual oils (petroleum,) solvent-refined; Baseoil — unspecified; [A complex combination by hydrocarbons obtained as the solvent insoluble fraction from solvent refining of a residuum using a polar organic solvent such as phenol or furfural. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400oC (752oF).]		64742-01-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), clay- treated paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]		64742-36-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), clay- treated light paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]		64742-37-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Residual oils (petroleum), clay- treated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treatment of a residual oil with a natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400oC (752 oF).]		64742-41-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), clay- treated heavy naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-44-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Distillates (petroleum), clay- treated light naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-45-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-52-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrotreated light naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-53-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]		64742-54-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]		64742-55-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- dewaxed light paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]		64742-56-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residual oils (petroleum), hydrotreated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 oC (752 oF).]		64742-57-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residual oils (petroleum), solvent-dewaxed; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by removal of long, branched chain hydrocarbons from a residual oil by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 oC (752 oF).]		64742-62-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- dewaxed heavy naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of not less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-63-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Distillates (petroleum), solvent- dewaxed light naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-64-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- dewaxed heavy paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 oF (19cSt at 40 oC).]		64742-65-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphthenic oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-68-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphthenic oils (petroleum), catalytic dewaxed light; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-69-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC).]		64742-70-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin oils (petroleum), catalytic dewaxed light; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]		64742-71-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphthenic oils (petroleum), complex dewaxed heavy; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by removing straight chain paraffin hydrocarbons as a solid by treatment with an agent such as urea. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-75-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Naphthenic oils (petroleum), complex dewaxed light; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		64742-76-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil- based, high-viscosity; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of approximately 112cSt at 40 oC. It contains a relatively large proportion of saturated hydrocarbons.]		72623-85-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil- based; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil and heavy vacuum gas oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity of approximately 15cSt at 40 oC. It contains a relatively large proportion of saturated hydrocarbons.]		72623-86-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil- based; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of approximately 32cSt at 40 oC. It contains a relatively large proportion of saturated hydrocarbons.]		72623-87-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from solvent extraction and dewaxing processes. It consists predominantly of saturated hydrocarbons having carbon numbers in the range C15 through C50.]		74869-22-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), complex dewaxed heavy paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by dewaxing heavy paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of equal to or greater than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		90640-91-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), complex dewaxed light paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by dewaxing light paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]		90640-92-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent dewaxed heavy paraffinic, clay- treated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating dewaxed heavy paraffinic distillate with neutral or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]		90640-94-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated; Baseoil — unspecified; [A complex combination of hydrocarbons produced by treating dewaxed heavy paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]		90640-95-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent dewaxed light paraffinic, clay- treated; Baseoil — unspecified; [A complex combination of hydrocarbons resulting from treatment of dewaxed light paraffinic distillate with natural or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30.]		90640-96-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated; Baseoil — unspecified; [A complex combination of hydrocarbons produced by Treating a dewaxed light paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30.]		90640-97-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residual oils (petroleum), hydrotreated solvent dewaxed; Baseoil — unspecified		90669-74-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Residual oils (petroleum), catalytic dewaxed; Baseoil — unspecified		91770-57-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C25 through C39 and produces a finished oil with a viscosity of approximately 44 cSt at 50 oC.]		91995-39-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), dewaxed light paraffinic, hydrotreated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C21 through C29 and produces a finished oil with a viscosity of approximately 13 cSt at 50 oC.]		91995-40-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), hydrocracked solvent-refined, dewaxed; Baseoil — unspecified; [A complex combination of liquid hydrocarbons obtained by recrystallization of dewaxed hydrocracked solvent-refined petroleum distillates.]		91995-45-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- refined light naphthenic, hydrotreated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst and removing the aromatic hydrocarbons by solvent extraction. It consists predominantly of naphthenic hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of between 13-15cSt at 40 oC.]		91995-54-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), C17-35, solvent-extd., dewaxed, hydrotreated; Baseoil — unspecified		92045-42-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), hydrocracked nonarom. solvent- deparaffined; Baseoil — unspecified		92045-43-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Residual oils (petroleum), hydrocracked acid-treated solvent- dewaxed; Baseoil — unspecified; [A complex combination of hydrocarbons produced by solvent removal of paraffins from the residue of the distillation of acid-treated, hydro- cracked heavy paraffins and boiling approximately above 380 oC (716 oF).]		92061-86-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Paraffin oils (petroleum), solvent-refined dewaxed heavy; Baseoil — unspecified; [A complex combination of hydrocarbons obtained from sulfur-containing paraffinic crude oil. It consists predominantly of a solvent refined deparaffinated lubricating oil with a viscosity of 65cSt at 50 oC.]		92129-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), base oils, paraffinic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by refining of crude oil. It consists predominantly of aromatics, naphthenics and paraffinics and produces a finished oil with a viscosity of 120 SUS at 100 oF (23cSt at 40 oC).]		93572-43-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed; Baseoil — unspecified		93763-38-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C20-50, residual oil hydrogenation vacuum distillate; Baseoil — unspecified		93924-61-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- refined hydrotreated heavy; hydrogenated; Baseoil — unspecified		94733-08-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent- refined hydrocracked light; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by solvent dearomatization of the residue of hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C27 and boiling in the range of approximately 370oC to 450oC (698oF to 842oF).]		94733-09-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), C18- 40, solvent-dewaxed hydro- cracked distillate-based; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by solvent deparaffination of the distillation residue from hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C40 and boiling in the range of approximately 370oC to 550 oC (698 oF to 1022oF).]		94733-15-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), C18- 40, solvent-dewaxed hydrogenated raffinate-based; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by solvent deparaffination of the hydrogenated raffinate obtained by solvent extraction of a hydrotreated petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C40 and boiling in the range of approximately 370 oC to 550 oC (698 oF to 1022 oF).]		94733-16-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C13-30, arom.-rich, solvent-extd. naphthenic distillate; Baseoil — unspecified		95371-04-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C16-32, arom. rich, solvent-extd. naphthenic distillate; Baseoil — unspecified		95371-05-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C37-68, dewaxed deasphalted hydrotreated vacuum distn. residues; Baseoil — unspecified		95371-07-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C37-65, treated deasphalted distn. residues; Baseoil — unspecified		95371-08-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleteriou s Substance s Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic , Reprotoxic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA
Distillates (petroleum), hydrocracked solvent-refined light; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by the solvent treatment of a distillate from hydrocracked petroleum distillates. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C27 and boiling in the range of approximately 370 oC to 450oC (698 oF to 842 oF).]		97488-73-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Distillates (petroleum), solvent-refined hydrogenated heavy; Baseoil — unspecified; [A complex combination of hydrocarbons, obtained by the treatment of a hydrogenated petroleum distillate with a solvent. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C19 through C40 and boiling in the range of approximately 390 oC to 550 oC (734 oF to 1022 oF).]		97488-74-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Lubricating oils (petroleum), C18-27, hydrocracked solvent- dewaxed; Baseoil — unspecified		97488-95-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C17-30, hydrotreated solvent-deasphalted atm. distn. residue, distn. lights; Baseoil — unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a solvent deasphalted short residue with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C30 and boiling in the range of approximately 300 oC to 400 oC (572 oF to 752 oF). It produces a finished oil having a viscosity of 4cSt at approximately 100 oC (212 oF).]		97675-87-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C17-40, hydrotreated solvent-deasphalted distn. residue, vacuum distn. lights; Baseoil — unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the catalytic hydrotreatment of a solvent deasphalted short residue having a viscosity of 8cSt at approximately 100 oC (212 oF). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C40 and boiling in the range of approximately 300 oC to 500 oC (592 oF to 932 oF).]		97722-06-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C13-27, solvent- extd. light naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 9.5cSt at 40 oC (104 oF). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C27 and boiling in the range of approximately 240 oC to 400 oC (464 oF to 752 oF).]		97722-09-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C14-29, solvent- extd. light naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 16cSt at 40oC (104oF). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C14 through C29 and boiling in the range of approximately 250 oC to 425 oC (482 oF to 797 oF).]		97722-10-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C27-42, dearomatized; Baseoil — unspecified		97862-81-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C17-30, hydrotreated distillates, distn. lights; Baseoil — unspecified		97862-82-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C27-45, naphthenic vacuum distn.; Baseoil — unspecified		97862-83-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Hydrocarbons, C27-45, dearomatized; Baseoil — unspecified		97926-68-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

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Hydrocarbons, C20-58, hydrotreated; Baseoil — unspecified		97926-70-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●				
Hydrocarbons, C27-42, naphthenic; Baseoil — unspecified		97926-71-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Residual oils (petroleum), carbon-treated solvent-dewaxed; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by the treatment of solvent-dewaxed petroleum residual oils with activated charcoal for the removal of trace polar constituents and impurities.]		100684-37-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Residual oils (petroleum), clay- treated solvent-dewaxed; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treatment of solvent-dewaxed petroleum residual oils with bleaching earth for the removal of trace polar constituents and impurities.]		100684-38-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Lubricating oils (petroleum), C25- 32, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of vacuum distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C25 and produces a finished oil with a viscosity in the order of 32cSt to 37cSt at 100 oC (212 oF).]		101316-69-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Lubricating oils (petroleum), C17- 32, solvent-extd., dewaxed, hydrogenated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C32 and produced a finished oil with a viscosity in the order of 17cSt to 23cSt at 40 oC (104 oF).]		101316-70-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Lubricating oils (petroleum), C20- 35, solvent-extd., dewaxed, hydrogenated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C35 and produces a finished oil with a viscosity in the order of 37cSt to 44cSt at 40 oC (104 oF).]		101316-71-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Lubricating oils (petroleum), C24- 50, solvent-extd., dewaxed, hydrogenated; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C24 through C50 and produces a finished oil with a viscosity in the order of 16cSt to 75cSt at 40 oC (104 oF).]		101316-72-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc.; Distillate aromatic extract (treated); [An aromatic concentrate produced by adding water to heavy naphthenic distillate solvent extract and extraction solvent.]		68783-00-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Extracts (petroleum), solvent- refined heavy paraffinic distillate solvent; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from the re-extraction of solvent-refined heavy paraffinic distillate. It consists of saturated and aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]		68783-04-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			

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Extracts (petroleum), heavy paraffinic distillates, solvent- deasphalted; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from a solvent extraction of heavy paraffinic distillate.]		68814-89-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating a heavy naphthenic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 19cSt at 40 oC (100 SUS at 100 oF).]		90641-07-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a heavy paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C21 through C33 and boiling in the range of approximately 350oC to 480oC (662oF to 896oF).		90641-08-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Extracts (petroleum), light paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a lightparaffinic distillate solvent extract with hydrogen in the presence of acatalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C26 and boiling in the range of approximately 280oC to 400oC (536 oF to 752 oF).]		90641-09-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Extracts (petroleum), hydrotreated light paraffinic distillate solvent; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from solvent extraction of intermediate paraffinic top solvent distillate that is treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C36.]		91995-73-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating the extract, obtained from a solvent extraction process, with hydrogen in the presence of a catalyst under conditions primarily to remove sulfur compounds. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C15 through C30. This stream is likely to contain 5 wt.% or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]		91995-75-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		
Extracts(petroleum), light paraffinic distillate solvent, acid- treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction of the distillation of an extract from the solvent extraction of light paraffinic top petroleum distillates that is subjected to a sulfuric acid refining. It consists predomi nantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C32.]		91995-76-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of a light paraffin distillate and treated with hydrogen to convert the organic sulfur to hydrogen sulfide which is eliminated. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C40 and produces a finished oil with a viscosity of greater than 10cSt at 40 oC.]		91995-77-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), light vacuum gas oil solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons, obtained by solvent extraction from light vacuum petroleum gas oils and treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13 through C30.]		91995-79-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), heavy paraffinic distillate solvent, clay- treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contact or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50. This stream is likely to contain 5 wt.% or more 4-6 membered ring aromatic hydrocarbons.]		92704-08-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), heavy naphthenic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C50 and produces a finished oil with a viscosity of greater than 19cSt at 40 oC.]		93763-10-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), solvent- dewaxed heavy paraffinic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained from a solvent dewaxed petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C50 and produces a finished oil with a viscosity of greater than 19cSt at 40 oC.]		93763-11-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), light paraffinic distillate solvent, carbon-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillate treated with activated charcoal to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C32.]		100684-02-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), light paraffinic distillate solvent, clay- treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillates treated with bleaching earth to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C32.]		100684-03-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) ppm	2024 GADSL Management classification	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Convention	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibition of Certain Toxic Substances Regulations, 2012 (Canada)	Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)	TSCA
Extracts (petroleum), light vacuum, gas oil solvent, carbon- treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oil treated with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13 through C30.]		100684-04-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Extracts (petroleum), light vacuum gas oil solvent, clay- treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oils treated with bleaching earth for removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13 through C30.]		100684-05-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Foots oil (petroleum); Foots oil; [A complex combination of hydrocarbons obtained as the oil fraction from a solvent deoiling or a wax sweating process. It consists predominantly of branched chain hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]		64742-67-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
Foots oil (petroleum), hydrotreated; Foots oil		92045-12-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●			
erionite		12510-42-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
Refractory Ceramic Fibres, Special Purpose Fibres, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18 % by weight]		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-													●		●	
1,2,3,4-Tetrachloro-5-(2,3-dichlorophenyl)-6-phenylbenzene		95385-87-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
Terphenyl,nonachloro- (9CI)		38890-58-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
2-Chloroethanol		107-07-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
2-aminoacetamide		598-41-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
Methylurea		598-50-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
Acetohydrazide		1068-57-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
Hexachlorocyclobutene		6130-82-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
Perchlorobuta-1,2-diene		56827-79-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
2,2,2,0,p'-pentachloroethylidenebisbenzene		789-02-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●	●	
N-Phenyl-1,4-phenylenediamine		101-54-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
N,N-diphenylhydrazine		530-50-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
N-phenyl-o-phenylenediamine		534-85-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		
2,2'-dimethyl-4,4'-bipyridine		712-61-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●		

5. List of NSK Environmentally Harmful Substances (details)

Substance	Substance (in Japanese)	CAS-No.	NSK Management Classification	Target applications Target NSK products	NSK management criteria Acceptable concentration (threshold value) p p m	2024 GADSL Managem ent classificati on	IEC62474 D29.00	REACH SVHC ~31th	REACH Annex XVII Restricted Substances	REACH Annex XIV Authorized Substances	RoHS Directive	ELV Directive	The Chemical Substances Control Law Class I Specified Chemical Substances	The Chemical Substances Control Law Class II Specified Chemical Substances	The Chemical Substances Control Law Chemical Substances Subject to Monitoring	Prohibited under the Industrial Safety and Health Act	Poisonous and Deleterious Substances Control Act Specified Poisons	POPs Conventio n	CLP Regulations Annex VI Table 3.2 List of Carcinogenic and/or Mutagenic (CMR) Substances (Category 1&2)	Prohibitio n of Certain Toxic Substance s Regulatio ns, 2012 (Canada)	Propositio n 65: Safe Drinking Water and Toxic Enforcem ent Act of 1986 (California state law)	TSCA	
4,4'-dimethyl-2,2'-bipyridyl		1134-35-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-														●			
Biphenyl-2,2'-diamine		1454-80-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
6,7-Dihydropyrido[1,2-a:2',1'-c]pyrazine-5,8-dium		2764-72-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
N-phenylpyridine-2-methylamine		4329-81-1	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
6,6'-dimethyl-2,2'-bipyridine		4411-80-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
4,4'-ethylenedipyridine		4916-57-8	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
N-benzylpyridin-2-amine		6935-27-9	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
Biphenyl-2,4-ylenediamine		16069-32-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
1,4,5,6-tetrahydro-3-phenylcyclopentapyrazole		28749-00-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
4-(1,1-dimethylethyl)benzene-1,2-dicarbonitrile		32703-80-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
6-benzylpyridin-2-amine		57963-09-4	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
Propane-1,2-diol		57-55-6	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
Dimethoxymethane		109-87-5	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
Propane-1,3-diol		504-63-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
(R)-Propane-1,2-diol		4254-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
(S)-Propane-1,2-diol		4254-15-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
Ethoxymethanol		10171-38-7	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
Propanediol		26264-14-2	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
Methoxyethanol		32718-54-0	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-															●		
2-Butenoic acid, 4-[(2-ethylhexyl)amino]-4-oxo-, (2Z)-, compd. with 2,2',2''-nitritotris[ethanol] (1:1)		85204-21-3	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																	●
Mixed mono and diamides of an organic acid		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																	●
Triethanolamine salt of a substituted organic acid		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																	●
Triethanolamine salt of tricarboxylic acid		-	Observation	All applications and products	Relative to the weight of component parts and materials 1000	-																	●
PCTP (Pentachlorothiophenol)		133-49-3	Prohibited	Mixtures, formed Products	10,000	-																	●

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2-(2H-Benzotriazol-2-yl)-6-(1-methyl-1-phenylethyl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-928)		73936-91-1	GADSL 2024 #43
Prohibited	Acids generated from chromium trioxide and their oligomers		—	REACH Annex XVI Authorized Substances
Prohibited	Oligomers of chromic acid and dichromic acid		—	REACH Annex XVI Authorized Substances
Observation	C.I. Pigment Violet 29 (Perylene-3,4:9,10-tetracarboxydiimide)		81-33-4	GADSL 2024 #67
Prohibited	Hexabromocyclododecane		74398-41-7	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		673456-49-0	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		878049-04-8	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		878049-05-9	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		878049-06-0	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		878049-07-1	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		878049-08-2	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1027045-74-4	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1093632-34-8	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1235106-66-7	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1380399-84-7	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1380399-85-8	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1380399-86-9	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1380399-87-0	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1392102-29-2	Japan Chemical Substances Control Law [Class1]
Prohibited	Hexabromocyclododecane		1392102-30-5	Japan Chemical Substances Control Law [Class1]

## 6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Prohibited	Hexabromocyclododecane		1392102-31-6	Japan Chemical Substances Control Law [Class1]
Observation	Decamethyltetrasiloxane		141-62-8	GADSL 2024 #77
Observation	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one		119344-86-4	GADSL 2024 #86
Observation	N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine, (6PPD)		793-24-8	GADSL 2024 #87
Observation	Dodecamethylpentasiloxane		141-63-9	GADSL 2024 #104
Observation	2,2'-[(1-methylethylidene)bis[(2,6-dibromo-4,1-phenylene)oxymethylene]]bisoxirane (TBBPA-bG)		3072-84-2	GADSL 2024 #140
Observation	2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl ester, telomer with 3-mercapto-1,2-propanediol, 2-methyloxirane polymer with oxirane di-2-propenoate, and 2-methyloxirane polymer with oxirane mono-2-propenoate, tert-Bu 2-ethylhexaneperoxoate-initiated		1017237-78-3	GADSL 2024 #188(PFAS)
Observation	1-Butene, 3,3,4,4,4-pentafluoro-, polymer with ethene and 1,1,2,2-tetrafluoroethene		460314-45-8	GADSL 2024 #188(PFAS)
Observation	PVDF-HFP		NA	GADSL 2024 #188(PFAS)
Observation	1-Octanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide		334529-54-3	GADSL 2024 #188(PFAS)
Observation	Poly(oxy-1,2-ethanediyl), alpha-phosphono-omega-hydroxy-, ethers with reduced Et esters of fluorinated reduced polymd. oxidized tetrafluoroethylene		2379313-43-4	GADSL 2024 #188(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, fluorinated Me esters, reduced		1573124-82-9	GADSL 2024 #188(PFAS)
Observation	Ethene, 1,1,2,2-tetrafluoro-, oxidized, polymd., reduced, Me esters, reduced, 2,3-dihydroxypropyl ethers		925918-64-5	GADSL 2024 #188(PFAS)
Observation	Polyaddition products of isobenzofuran-1,3-dione / oxolane-2,5-dione / 2-(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-yl)oxirane		1023888-52-9	GADSL 2024 #188(PFAS)
Observation	Bis[(trifluoromethyl)sulfonyl]azanide		98837-98-0	GADSL 2024 #188(PFAS)

## 6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethyl)oxy]-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed		1163733-25-2	GADSL 2024 #188(PFAS)
Observation	Poly[oxy(methyl-1,2-ethanediyl)], $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxy-, polymers with reduced Me esters of reduced polymd. oxidized tetrafluoroethylene acrylates, tert -Bu 2-ethylhexaneperoxoate-initiated		1259853-34-3	GADSL 2024 #188(PFAS)
Observation	2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate		425664-29-5	GADSL 2024 #188(PFAS)
Observation	Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethyl)oxy]-, polymer with 1,1,2,2-tetrafluoroethene		69462-70-0	GADSL 2024 #188(PFAS)
Observation	2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 2-(diethylamino)ethyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, acetate		863408-20-2	GADSL 2024 #188(PFAS)
Observation	4,4,4-trifluorobutan-2-ol		101054-93-7	GADSL 2024 #188(PFAS)
Observation	1,3,4-Thiadiazol-2-amine, 5-(trifluoromethyl)-		10444-89-0	GADSL 2024 #188(PFAS)
Observation	4-bromo-2-fluoro-1-(trifluoromethoxy)benzene		105529-58-6	GADSL 2024 #188(PFAS)
Observation	1-[3-Chloro-5-(trifluoromethyl)phenyl]-2,2,2-trifluoroethan-1-one		1125812-58-9	GADSL 2024 #188(PFAS)
Observation	5-Bromo-1,3-difluoro-2-(trifluoromethoxy)benzene		115467-07-7	GADSL 2024 #188(PFAS)
Observation	2-[[2,2,4-Trifluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]ethanol		1190931-34-0	GADSL 2024 #188(PFAS)
Observation	2-Fluoro-5-(trifluoromethyl)phenol		141483-15-0	GADSL 2024 #188(PFAS)
Observation	3,5-Bis(trifluoromethyl)benzene-1-diazonium zinc chloride (2/1/4)		14263-91-3	GADSL 2024 #188(PFAS)
Observation	Silane, chlorodimethyl(3,3,3-trifluoropropyl)-		1481-41-0	GADSL 2024 #188(PFAS)
Observation	Trifluoromethanesulfonic acid		1493-13-6	GADSL 2024 #188(PFAS)
Observation	1-Propene, 2-bromo-3,3,3-trifluoro-		1514-82-5	GADSL 2024 #188(PFAS)
Observation	Halothane		151-67-7	GADSL 2024 #188(PFAS)
Observation	1,1,1,5,5,5-Hexafluoro-2,4-pentanedione		1522-22-1	GADSL 2024 #188(PFAS)
Observation	5-Bromo-1,3-difluoro-2-(trifluoromethyl)benzene		156243-64-0	GADSL 2024 #188(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1,3-Dioxole, 2,2,4-trifluoro-5-(trifluoromethoxy)-		161611-74-1	GADSL 2024 #188(PFAS)
Observation	2,2,2-Trifluoroethanesulfonyl chloride		1648-99-3	GADSL 2024 #188(PFAS)
Observation	2,3-difluoro-6-(trifluoromethyl)benzonitrile		186517-05-5	GADSL 2024 #188(PFAS)
Observation	Difluoromethyl 2,2,2-trifluoroethyl ether		1885-48-9	GADSL 2024 #188(PFAS)
Observation	((2,2,3,3-Tetrafluoropropoxy)methyl)oxirane		19932-26-4	GADSL 2024 #188(PFAS)
Observation	2-chloro-3,5-bis(trifluoromethyl)aniline		201593-90-0	GADSL 2024 #188(PFAS)
Observation	Cyclopentasiloxane, 2,4,6,8,10-pentamethyl-2,4,6,8,10-pentakis(3,3,3-trifluoropropyl)-		2063-78-7	GADSL 2024 #188(PFAS)
Observation	3,5-Bis(trifluoromethyl)benzamide		22227-26-5	GADSL 2024 #188(PFAS)
Observation	1-Propen-2-ol, 3,3,3-trifluoro-, 2-acetate		2247-91-8	GADSL 2024 #188(PFAS)
Observation	1,2-Dichloro-1,1,2-trifluoro-2-(trifluoromethoxy)ethane		2356-53-8	GADSL 2024 #188(PFAS)
Observation	alpha,alpha,alpha-4-Tetrafluoro-m-toluidine		2357-47-3	GADSL 2024 #188(PFAS)
Observation	Thallium(III) trifluoroacetate		23586-53-0	GADSL 2024 #188(PFAS)
Observation	(2Z)-2,3-dichloro-1,1,1,4,4,4-hexafluorobut-2-ene		2418-22-6	GADSL 2024 #188(PFAS)
Observation	Methyl 3,5-di(trifluoromethyl)benzoate radical		26107-80-2	GADSL 2024 #188(PFAS)
Observation	2-chloro-3,3,3-trifluoroprop-1-ene		2730-62-3	GADSL 2024 #188(PFAS)
Observation	Barium trifluoromethanesulphonate		2794-60-7	GADSL 2024 #188(PFAS)
Observation	Vinylidene fluoride-trifluoroethylene copolymer		28960-88-5	GADSL 2024 #188(PFAS)
Observation	(E)-1,3,3,3-Tetrafluoro-1-propene		29118-24-9	GADSL 2024 #188(PFAS)
Observation	(Z)-1,3,3,3-Tetrafluoro-1-propene		29118-25-0	GADSL 2024 #188(PFAS)
Observation	Potassium trifluoroacetate		2923-16-2	GADSL 2024 #188(PFAS)
Observation	Acetic acid, 2,2,2-trifluoro-, lithium salt (1:1)		2923-17-3	GADSL 2024 #188(PFAS)
Observation	Sodium trifluoroacetate		2923-18-4	GADSL 2024 #188(PFAS)
Observation	Methanesulfonic acid, trifluoro-, silver(1+) salt		2923-28-6	GADSL 2024 #188(PFAS)
Observation	Potassium trifluoromethanesulfonate		2926-27-4	GADSL 2024 #188(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Sodium trifluoromethanesulfinate		2926-29-6	GADSL 2024 #188(PFAS)
Observation	Silver trifluoroacetate		2966-50-9	GADSL 2024 #188(PFAS)
Observation	Benzenediazonium, 3,5-bis(trifluoromethyl)-		29684-26-2	GADSL 2024 #188(PFAS)
Observation	1-(3,5-Bis(trifluoromethyl)phenyl)ethan-1-one		30071-93-3	GADSL 2024 #188(PFAS)
Observation	2-Butene, 2,3-dichloro-1,1,1,4,4,4-hexafluoro-		303-04-8	GADSL 2024 #188(PFAS)
Observation	1,1,2,3,3,4,5,5-Octafluoropenta-1,4-diene		3109-87-3	GADSL 2024 #188(PFAS)
Observation	2-bromo-3,3,3-trifluoropropan-1-ol		311-86-4	GADSL 2024 #188(PFAS)
Observation	2,5-Bis(trifluoromethyl)nitrobenzene		320-88-7	GADSL 2024 #188(PFAS)
Observation	3-fluoro-4-chlorobenzotrifluoride		32137-20-5	GADSL 2024 #188(PFAS)
Observation	3,5-Bis(trifluoromethyl)benzyl bromide		32247-96-4	GADSL 2024 #188(PFAS)
Observation	2,4-Bis(trifluoromethyl)bromobenzene		327-75-3	GADSL 2024 #188(PFAS)
Observation	1-Bromo-3,5-bis(trifluoromethyl)benzene		328-70-1	GADSL 2024 #188(PFAS)
Observation	Benzenamine, 3,5-bis(trifluoromethyl)-		328-74-5	GADSL 2024 #188(PFAS)
Observation	alpha,alpha,alpha,alpha',alpha',alpha'-Hexafluoro-5-nitroxylene		328-75-6	GADSL 2024 #188(PFAS)
Observation	2,5-Bis(trifluoromethyl)aniline		328-93-8	GADSL 2024 #188(PFAS)
Observation	Benzoyl fluoride, 3-(trifluoromethyl)-		328-99-4	GADSL 2024 #188(PFAS)
Observation	Methyl trifluoromethanesulfonate		333-27-7	GADSL 2024 #188(PFAS)
Observation	Trifluoroacetic acid--ammonia (1/1)		3336-58-1	GADSL 2024 #188(PFAS)
Observation	Methanesulfonyl fluoride, trifluoro-		335-05-7	GADSL 2024 #188(PFAS)
Observation	3,3,3-trifluoro-2-hydroxy-2-methylpropanenitrile		335-08-0	GADSL 2024 #188(PFAS)
Observation	alpha,alpha,alpha,alpha',alpha',alpha'-Hexafluoro-3,5-xyleneol		349-58-6	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoro-2-iodoethane		353-83-3	GADSL 2024 #188(PFAS)
Observation	Acetonitrile, trifluoro-		353-85-5	GADSL 2024 #188(PFAS)
Observation	(2S)-1,1,1-Trifluoropropan-2-ol		3539-97-7	GADSL 2024 #188(PFAS)

## 6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Trifluoroacetyl chloride		354-32-5	GADSL 2024 #188(PFAS)
Observation	Acetamide, 2,2,2-trifluoro-		354-38-1	GADSL 2024 #188(PFAS)
Observation	Trifluoromethanesulfonic anhydride		358-23-6	GADSL 2024 #188(PFAS)
Observation	2,8-Bis(trifluoromethyl)quinolin-4-ol		35853-41-9	GADSL 2024 #188(PFAS)
Observation	tris(2,2,2-trifluoroethyl) phosphate		358-63-4	GADSL 2024 #188(PFAS)
Observation	2-(Trifluoromethyl)oxirane		359-41-1	GADSL 2024 #188(PFAS)
Observation	1,3-Dichlorohexafluoro-2-butene		360-86-1	GADSL 2024 #188(PFAS)
Observation	1,1,3,3-tetrabromo-1,2,2,3-tetrafluoro-Propane		36567-29-0	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoroacetylacetone		367-57-7	GADSL 2024 #188(PFAS)
Observation	Benzoyl fluoride, 4-(trifluoromethyl)-		368-94-5	GADSL 2024 #188(PFAS)
Observation	3-Penten-2-one, 1,1,1,5,5,5-hexafluoro-4-methyl-		372-25-8	GADSL 2024 #188(PFAS)
Observation	2,2,2-Trifluoroethylamine hydrochloride		373-88-6	GADSL 2024 #188(PFAS)
Observation	1-Propene, 3,3,3-trifluoro-2-methyl-		374-00-5	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoro-2-propanol		374-01-6	GADSL 2024 #188(PFAS)
Observation	3-Trifluoromethylpyridine		3796-23-4	GADSL 2024 #188(PFAS)
Observation	Ethyl trifluoroacetate		383-63-1	GADSL 2024 #188(PFAS)
Observation	Ethanethioic acid, trifluoro-, S-ethyl ester		383-64-2	GADSL 2024 #188(PFAS)
Observation	Benzene, 1-fluoro-2-(trifluoromethyl)-		392-85-8	GADSL 2024 #188(PFAS)
Observation	Silanamine, N-[dimethyl(3,3,3-trifluoropropyl)silyl]-1,1-dimethyl-1-(3,3,3-trifluoropropyl)-		39482-87-6	GADSL 2024 #188(PFAS)
Observation	Isopropyl trifluoroacetate		400-38-4	GADSL 2024 #188(PFAS)
Observation	alpha,alpha,alpha,3-Tetrafluorotoluene		401-80-9	GADSL 2024 #188(PFAS)
Observation	3,5-Bis(trifluoromethyl)benzaldehyde		401-95-6	GADSL 2024 #188(PFAS)
Observation	4-Fluorobenzotrifluoride		402-44-8	GADSL 2024 #188(PFAS)
Observation	(2,2,2-Trifluoroethoxy)ethene		406-90-6	GADSL 2024 #188(PFAS)
Observation	2-(2,2,2-trifluoroethyl)oxirane		407-12-5	GADSL 2024 #188(PFAS)

## 6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	Trifluoroacetic anhydride		407-25-0	GADSL 2024 #188(PFAS)
Observation	Ethanol, 2,2,2-trifluoro-, sodium salt		420-87-1	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoropropane		421-07-8	GADSL 2024 #188(PFAS)
Observation	Methanesulphenyl chloride, trifluoro-		421-17-0	GADSL 2024 #188(PFAS)
Observation	Trifluoroacetone		421-50-1	GADSL 2024 #188(PFAS)
Observation	1,1-Ethenediol, 2,2,2-trifluoro-		421-53-4	GADSL 2024 #188(PFAS)
Observation	Trifluoromethanesulphonyl chloride		421-83-0	GADSL 2024 #188(PFAS)
Observation	Trifluoromethylsulfonamide		421-85-2	GADSL 2024 #188(PFAS)
Observation	Ethyl trifluoromethanesulphonate		425-75-2	GADSL 2024 #188(PFAS)
Observation	2-Chloro-1,1,2-trifluoro-1-methoxyethane		425-87-6	GADSL 2024 #188(PFAS)
Observation	Methane, bis[(trifluoromethyl)sulfonyl]-		428-76-2	GADSL 2024 #188(PFAS)
Observation	Methylsilylidyne tris(trifluoroacetate)		429-72-1	GADSL 2024 #188(PFAS)
Observation	1,2-Dichloro-3,3,3-trifluoroprop-1-ene		431-27-6	GADSL 2024 #188(PFAS)
Observation	Bromotrifluoroacetone		431-35-6	GADSL 2024 #188(PFAS)
Observation	Ethanol, 2,2,2-trifluoro-1-methoxy-		431-46-9	GADSL 2024 #188(PFAS)
Observation	Methyl trifluoroacetate		431-47-0	GADSL 2024 #188(PFAS)
Observation	1-Propene, 1,1,2-trichloro-3,3,3-trifluoro-		431-52-7	GADSL 2024 #188(PFAS)
Observation	Pentafluoroacetone		431-71-0	GADSL 2024 #188(PFAS)
Observation	1,4-Bis(trifluoromethyl)benzene		433-19-2	GADSL 2024 #188(PFAS)
Observation	Ethanol, 1-ethoxy-2,2,2-trifluoro-		433-27-2	GADSL 2024 #188(PFAS)
Observation	1-Trifluoromethyl-2,3,4,5,6-pentafluorobenzene		434-64-0	GADSL 2024 #188(PFAS)
Observation	Perfluorovinylacetic acid		44969-80-4	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoro-3-iodopropane		460-37-7	GADSL 2024 #188(PFAS)
Observation	1-Propene, 1,1-dichloro-3,3,3-trifluoro-		460-70-8	GADSL 2024 #188(PFAS)
Observation	1-Propene, 1-chloro-1,3,3,3-tetrafluoro-		460-71-9	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoro-4-iodobutane		461-17-6	GADSL 2024 #188(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	4,4,4-Trifluorobutanol		461-18-7	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoro-2-methylpropan-2-ol		507-52-8	GADSL 2024 #188(PFAS)
Observation	Ethane, 2-bromo-2-chloro-1,1,1-trifluoro-, (R)-		51230-17-2	GADSL 2024 #188(PFAS)
Observation	alpha,alpha,alpha,6-Tetrafluoro-m-toluidine		535-52-4	GADSL 2024 #188(PFAS)
Observation	Zinc trifluoromethanesulphonate		54010-75-2	GADSL 2024 #188(PFAS)
Observation	Trifluoromethyl methacrylate		56487-95-7	GADSL 2024 #188(PFAS)
Observation	1,1'-Biphenyl, 2,2'-bis(trifluoromethyl)-		567-15-7	GADSL 2024 #188(PFAS)
Observation	Silane, trichloro(3,3,3-trifluoropropyl)-		592-09-6	GADSL 2024 #188(PFAS)
Observation	Bromotrifluoroethene		598-73-2	GADSL 2024 #188(PFAS)
Observation	2,2,2-trifluoro-Acetic acid-d		599-00-8	GADSL 2024 #188(PFAS)
Observation	Tris(trifluoromethanesulfonyl)methane		60805-12-1	GADSL 2024 #188(PFAS)
Observation	Acetic acid, bromo-, 2,2,2-trifluoroethyl ester		61433-91-8	GADSL 2024 #188(PFAS)
Observation	Ethanone, 2,2,2-trifluoro-1-(4-fluorophenyl)-		655-32-3	GADSL 2024 #188(PFAS)
Observation	Indium hydroxide trifluoroacetate (1/1/2)		66027-94-9	GADSL 2024 #188(PFAS)
Observation	Trifluoromethanesulphonic (2H)acid		66178-41-4	GADSL 2024 #188(PFAS)
Observation	1,4-Bis(2,2,2-trifluoroethoxy)benzene		66300-61-6	GADSL 2024 #188(PFAS)
Observation	Silane, dichlorobis(3,3,3-trifluoropropyl)-		665-98-5	GADSL 2024 #188(PFAS)
Observation	1,1,1,4,4,4-Hexafluorobut-2-ene		66711-86-2	GADSL 2024 #188(PFAS)
Observation	Silane, dichloromethyl(3,3,3-trifluoropropyl)-		675-62-7	GADSL 2024 #188(PFAS)
Observation	3,3,3-Trifluoro-1-propene		677-21-4	GADSL 2024 #188(PFAS)
Observation	Difluoro(fluorosulphonyl)acetyl fluoride		677-67-8	GADSL 2024 #188(PFAS)
Observation	3-Bromo-4-fluorobenzotrifluoride		68322-84-9	GADSL 2024 #188(PFAS)
Observation	Acrylic acid, 3,3-difluoro-2-(trifluoromethyl)-, methyl ester		685-09-6	GADSL 2024 #188(PFAS)
Observation	[Bis[(trifluoromethyl)sulfonyl-kappaO]methanato]silver		68785-05-7	GADSL 2024 #188(PFAS)
Observation	1,1,3,3,3-Pentafluoropropene		690-27-7	GADSL 2024 #188(PFAS)
Observation	2-Fluoro-5-(trifluoromethyl)pyridine		69045-82-5	GADSL 2024 #188(PFAS)

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	1,1,1,3-Tetramethyl-3,3-bis(3,3,3-trifluoropropyl)disiloxane		690-56-2	GADSL 2024 #188(PFAS)
Observation	Methyl 2,2,3-trifluoro-3-oxopropanoate		69116-71-8	GADSL 2024 #188(PFAS)
Observation	(Z)-1,1,1,4,4,4-Hexafluoro-2-butene		692-49-9	GADSL 2024 #188(PFAS)
Observation	2-Butyne, 1,1,1,4,4,4-hexafluoro-		692-50-2	GADSL 2024 #188(PFAS)
Observation	Ethanone, 2,2,2-trifluoro-1-(3-fluorophenyl)-		708-64-5	GADSL 2024 #188(PFAS)
Observation	Ethanamine, 2,2,2-trifluoro-		753-90-2	GADSL 2024 #188(PFAS)
Observation	Acetaldehyde, trifluoro-		75-90-1	GADSL 2024 #188(PFAS)
Observation	Trifluoroacetic acid		76-05-1	GADSL 2024 #188(PFAS)
Observation	Benzene, 1-chloro-2,3-difluoro-5-(trifluoromethyl)-		77227-99-7	GADSL 2024 #188(PFAS)
Observation	Benzene, 2-chloro-1-fluoro-4-(trifluoromethyl)-		78068-85-6	GADSL 2024 #188(PFAS)
Observation	2-(Perfluorododecyl)ethane-1-thiol		79840-60-1	GADSL 2024 #188(PFAS)
Observation	1,1,3,3,3-Pentafluoropropyl 2-methylprop-2-enoate		80110-84-5	GADSL 2024 #188(PFAS)
Observation	(Trifluoromethyl)trimethylsilane		81290-20-2	GADSL 2024 #188(PFAS)
Observation	Acetamide, 2,2,2-trifluoro-N-methyl-		815-06-5	GADSL 2024 #188(PFAS)
Observation	1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide		82113-65-3	GADSL 2024 #188(PFAS)
Observation	3,5-Bis(trifluoromethyl)benzylamine		85068-29-7	GADSL 2024 #188(PFAS)
Observation	2,3-Difluoro-5-(trifluoromethyl)pyridine		89402-42-6	GADSL 2024 #188(PFAS)
Observation	2-Fluoro-4-(trifluoromethyl)benzaldehyde		89763-93-9	GADSL 2024 #188(PFAS)
Observation	2-Fluoro-6-(trifluoromethyl)pyridine		94239-04-0	GADSL 2024 #188(PFAS)
Observation	Benzotrifluoride		98-08-8	GADSL 2024 #188(PFAS)
Prohibited			2310194-12-6	Japan Chemical Substances Control Law [Class1]
Observation	Phosphoric acid, triethyl ester, TEP		78-40-0	GADSL 2024 #209
Prohibited	Kanechlor 300		37353-63-2	Japan Chemical Substances Control Law [Class1]
Prohibited	Mixture of PCB 1248 and PCB 1254		89000-29-3	Japan Chemical Substances Control Law [Class1]

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 2,4,6-tribromophenol		158725-44-1	GADSL 2024 #261
Observation	Phenol, methylstyrenated		68512-30-1	IEC62474
Observation	Colecalciferol		67-97-0	IEC62474
Observation	Acids generated from chromium trioxide and their oligomers		—	SVHC
Observation	Oligomers of chromic acid and dichromic acid		—	SVHC
Observation	Nonylphenol, ethoxylated (EO = 4)		—	SVHC
Observation	Nonylphenol, ethoxylated (polymer)		—	SVHC
Observation	Nonylphenol, ethoxylated (EO = 10)		—	SVHC
Observation	Nonylphenolpolyglycoether		—	SVHC
Observation	Poly(oxy-1,2-ethanediyl), alpha - (nonylphenyl)-omega-hydroxy-, branched		—	SVHC
Observation	Monteponite (CdO)		12139-21-8	SVHC
Observation	Perboric acid, sodium salt, tetrahydrate ( )		37244-98-7	SVHC
Observation	Sodium perborate, perboric acid, sodium salt		—	SVHC
Prohibited	Nonylphenol, ethoxylated (10-EO)		—	REACH AnnexXVI Authorized Substances
Prohibited	Nonylphenol, ethoxylated (8-EO)		—	REACH AnnexXVI Authorized Substances
Prohibited	Nonylphenol, ethoxylated (6,5-EO)		—	REACH AnnexXVI Authorized Substances
Prohibited	Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-, branched		—	REACH AnnexXVI Authorized Substances
Prohibited	Nonylphenol, ethoxylated (15-EO)		—	REACH AnnexXVI Authorized Substances
Prohibited	2,2,2-Trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl)ethanol		10606-46-9	Japan Chemical Substances Control Law [Class1]
Observation	beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in CLP Annex		—	MDR CLP

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	perboric acid, sodium salt, monohydrate; [1] sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm] perboric acid, sodium salt, monohydrate; [2] sodium peroxoborate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]		12040-72-1	MDR CLP
Observation	carbon monoxide		630-08-0	MDR CLP
Observation	linuron (ISO); 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea		330-55-2	MDR CLP
Observation	sulfallate (ISO); 2-chloroallyl N, N-dimethyldithiocarbamate		95-06-7	MDR CLP
Observation	dimethylcarbamoyl chloride		79-44-7	MDR CLP
Observation	diazomethane		334-88-3	MDR CLP
Observation	mancozeb (ISO); manganese ethylenebis(dithiocarbamate) (polymeric) complex with zinc salt		8018-01-7	MDR CLP
Observation	O-isobutyl-N-ethoxy carbonylthiocarbamate		103122-66-3	MDR CLP
Observation	O-hexyl-N-ethoxycarbonylthiocarbamate		—	MDR CLP
Observation	N,N-dimethylhydrazine		57-14-7	MDR CLP
Observation	1,2-dimethylhydrazine		540-73-8	MDR CLP
Observation	salts of hydrazine		—	MDR CLP
Observation	hydrazine bis(3-carboxy-4-hydroxybenzenesulfonate)		—	MDR CLP
Observation	etacelasil (ISO); 6-(2-chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane		37894-46-5	MDR CLP
Observation	flusilazole (ISO); bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazol-1-ylmethyl)silane		85509-19-9	MDR CLP
Observation	reaction mass of: 4-[[bis-(4-fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole; 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole		—	MDR CLP
Observation	(4-ethoxyphenyl)(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane		105024-66-6	MDR CLP

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	e-glass microfibres of representative composition; [Calcium- aluminium-silicate fibres with random orientation with the following representative composition (% given by weight): SiO <sub>2</sub> 50,0-56,0 %, Al <sub>2</sub> O <sub>3</sub> 13,0-16,0 %, B <sub>2</sub> O <sub>3</sub> 5,8-10,0 %, Na <sub>2</sub> O < 0,6 %, K <sub>2</sub> O < 0,4 %, CaO 15,0-24,0 %, MgO < 5,5 %, Fe <sub>2</sub> O <sub>3</sub> < 0,5 %, F <sub>2</sub> < 1,0 %. Process: typically produced by flame attenuation and rotary process. (Additional individual elements may be present at low levels; the process list does not preclude innovation).]		—	MDR CLP
Prohibited	silicon carbide fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1)		409-21-2	MDR CLP
Prohibited	silicon carbide fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1)		308076-74-6	MDR CLP
Observation	hexamethylphosphoric triamide; hexamethylphosphoramide		680-31-9	MDR CLP
Observation	glufosinate ammonium (ISO); ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate		77182-82-2	MDR CLP
Observation	reaction mass of: dimethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; diethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; methyl ethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate		—	MDR CLP
Observation	indium phosphide		22398-80-7	MDR CLP
Observation	dimethylsulfamoylchloride		13360-57-1	MDR CLP
Observation	zinc chromates including zinc potassium chromate		—	MDR CLP
Observation	chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in CLP Annex		—	MDR CLP
Prohibited	trinickel disulfide; heazlewoodite [2]		12035-71-1	MDR CLP
Observation	slimes and sludges, copper electrolytic refining, decopperised, nickel sulfate		92129-57-2	MDR CLP
Observation	slimes and sludges, copper electrolyte refining, decopperised		94551-87-8	MDR CLP
Observation	ethyl hydrogen sulfate, nickel(II) salt [3]		71720-48-4	MDR CLP
Observation	cobalt lithium nickel oxide		—	MDR CLP
Observation	arsenic acid and its salts with the exception of those specified elsewhere in this Annex		—	MDR CLP
Observation	potassium bromate		7758-01-2	MDR CLP

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	tributyltin compounds, with the exception of those specified elsewhere in this annex		—	MDR CLP
Observation	lead compounds with the exception of those specified elsewhere in this Annex		—	MDR CLP
Observation	lead alkyls		—	MDR CLP
Observation	butane (containing ≥ 0,1 % butadiene (203-450-8)); [1]		106-97-8	MDR CLP
Observation	isobutane (containing ≥ 0,1 % butadiene (203-450-8)) [2]		75-28-5	MDR CLP
Observation	isoprene (stabilised) 2-methyl-1,3-butadiene		78-79-5	MDR CLP
Observation	ipconazole (ISO); (1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-chlorobenzyl)-5-isopropyl-1- (1H-1,2,4-triazol-1-ylmethyl)cyclopentanol		115850-69-6	MDR CLP
Observation	ipconazole (ISO); (1RS,2SR,5RS;1RS,2SR,5SR)-2-(4-chlorobenzyl)-5-isopropyl-1- (1H-1,2,4-triazol-1-ylmethyl)cyclopentanol		115937-89-8	MDR CLP
Observation	n-pentyl-isopentylphthalate; [2]		—	MDR CLP
Observation	6-[C12-18-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid, sodium and tris(2-hydroxyethyl)ammonium salts		—	MDR CLP
Observation	6-[C12-18-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid		—	MDR CLP
Observation	salts and esters of dinoseb, with the exception of those specified elsewhere in this Annex		—	MDR CLP
Observation	salts and esters of dinoterb		—	MDR CLP
Observation	methyl-phenylene diamine; diaminotoluene; [technical product — reaction mass of 4-methyl-m-phenylene diamine (EC No 202-453-1) and 2-methyl-m-phenylene diamine (EC No 212-513-9)]		—	MDR CLP
Observation	reaction products of paraformaldehyde and 2-hydroxypropylamine (ratio 3:2); [formaldehyde released from 3,3'-methylenebis[5-methyloxazolidine]; formaldehyde released from oxazolidin]; [MBO]		—	MDR CLP
Observation	reaction products of paraformaldehyde with 2-hydroxypropylamine (ratio 1:1); [formaldehyde released from α,α,α-trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol]; [HPT]		—	MDR CLP
Observation	reaction mass of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5- (1H,3H,5H)-triazine-2,4,6 trione; reaction mass of oligomers of 3,5-bis(3-aminomethylphenyl)1- poly[3,5-bis(3-aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,3,5(1H,3H,5H)-triazine-2,4,6-trione		—	MDR CLP

6. Substances added (Substances added to the List of Environmentally Harmful Substances Ver.7.5)

NSK Management Classification	Substance	Substance (in Japanese)	CAS-No.	Reason
Observation	reaction mass of: N-[3-hydroxy- 2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide; N-[2,3-bis-(2-methylacryloylaminomethoxy)propoxymethyl]-2- methylacrylamide; methacrylamide; 2-methyl-N-(2-methylacryloylaminomethoxymethyl)-acrylamide; N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide		-	MDR CLP

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.5)	List Ver 7.5 Management Classification	List Ver 7.4 Management Classification
Phenol, dodecyl-, branched		121158-58-5	Control conditions and thresholds for each	Prohibited/Ov servation	Prohibited
Phenol, 2-dodecyl-, branched		1801269-80-6	Control conditions and thresholds for each	Prohibited/Ov servation	Prohibited
Phenol, 3-dodecyl-, branched		1801269-77-1	Control conditions and thresholds for each	Prohibited/Ov servation	Prohibited
Phenol, 4-dodecyl-, branched		210555-94-5	Control conditions and thresholds for each	Prohibited/Ov servation	Prohibited
Phenol, (tetrapropenyl) derivatives		74499-35-7	Control conditions and thresholds for each	Prohibited/Ov servation	Prohibited
Salts of 3,3'- Dimethoxybenzidine		-	CLP⇒GADSL P	Prohibited	Ovservation
2,2- bis(chloromethyl)trime thylene bis(bis(2- chloroethyl)phosphate) (V6)		38051-10-4	Not a prohibited substance	Ovservation	Prohibited
Alkane, C16-27-, Chloro-		84776-07-8	Not a prohibited substance	Ovservation	Prohibited
Alkane, C16-35-, Chloro-		85049-26-9	Not a prohibited substance	Ovservation	Prohibited
Phenol, 2-(2H- benzotriazol-2-yl)-4- (1,1-dimethylethyl)-6- (1-methylpropyl)- (UV 350)		36437-37-3	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Phenol, 2-(5-chloro- 2H-benzotriazol-2-yl)- 4,6-bis(1,1'- dimethylethyl)- (UV 327)		3864-99-1	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1-Methylpyrrolidin-2- one (2-Pyrrolidinone, 1- methyl ) (NMP)		872-50-4	Not a prohibited substance	Ovservation	Prohibited
1,2,3,4 (or 1,2,4,5)- tetrachlorobenzene		84713-12-2	GADSL P	Prohibited	Ovservation
Tris(2-chloro-1- methylethyl) phosphate		13674-84-5	Not a prohibited substance	Ovservation	Prohibited

## 7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.5)	List Ver 7.5 Management Classification	List Ver 7.4 Management Classification
Trixylyl phosphate		25155-23-1	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Tris(2,3-dichloro-1-propyl)phosphate		66108-37-0	Not a prohibited substance	Ovservation	Prohibited
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate		13517-20-9	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Perboric acid, sodium salt		11138-47-9	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Borate(2-), tetrahydroxybis[μ- (peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)		125022-34-6	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Borate(2-), tetrahydroxybis[μ- (peroxy-κO1:κO2)]di-, sodium (1:2)		90568-23-3	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Sodium perborate		15120-21-5	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Sodium perborate monohydrate		10332-33-9	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Perboric acid (HBO(O2)), sodium salt, tetrahydrate		10486-00-7	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Sodium peroxometaborate		7632-04-4	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2-(2,4- dimethyl-3- cyclohexen-1-yl)-5- methyl-5-(1- methylpropyl)-		117933-89-8	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1S,2S)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-		676367-02-5	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1S,2R)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, trans-		676367-07-0	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation

## 7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.5)	List Ver 7.5 Management Classification	List Ver 7.4 Management Classification
1,3-Dioxane, 2- [(1S,2R)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-		676367-03-6	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1R,2S)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, trans-		676367-08-1	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1R,2S)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-		676367-04-7	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1R,2R)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, trans- rel-		343934-05-4	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1R,2R)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, trans-		676367-09-2	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1R,2R)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-rel-		343934-04-3	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2- [(1R,2R)-2,4-dimethyl- 3-cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-		676367-05-8	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2-(2,4- dimethyl-3- cyclohexen-1-yl)-5- methyl-5-(1- methylpropyl)-		186309-28-4	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
5-sec-butyl-2-(4,6- dimethylcyclohex-3- en-1-yl)-5-methyl-1,3- dioxane		-	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation

7. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Reason for revision (Ver 7.5)	List Ver 7.5 Management Classification	List Ver 7.4 Management Classification
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane		-	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-06-9	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	Sunset date elapsed. REACH AnnexXVI Authorized Substances	Prohibited	Ovservation

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Phenol, dodecyl-, branched		121158-58-5		To be prohibited: 3,000ppm To be controlled: 1,000ppm	Specify criterias for controlled substances
Phenol, 2-dodecyl-, branched		1801269-80-6		To be prohibited: 3,000ppm To be controlled: 1,000ppm	Specify criterias for controlled substances
Phenol, 3-dodecyl-, branched		1801269-77-1		To be prohibited: 3,000ppm To be controlled: 1,000ppm	Specify criterias for controlled substances
Phenol, 4-dodecyl-, branched		210555-94-5		To be prohibited: 3,000ppm To be controlled: 1,000ppm	Specify criterias for controlled substances
Phenol, (tetrapropenyl) derivatives		74499-35-7		To be prohibited: 3,000ppm To be controlled: 1,000ppm	Specify criterias for controlled substances
4-Aminobiphenyl		92-67-1	Antioxidant in lubricants, rubber and latex, plastics		Specify the uses covered by the law and regulations
p-aminobiphenyl hydrochloride		2113-61-3	Antioxidant in lubricants, rubber and latex, plastics		Specify the uses covered by the law and regulations
Cadmium arsenide (Cd3As2)		12006-15-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Chromium arsenide (Cr2As)		12254-85-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Lead arsenate		3687-31-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Lead arsenate		7784-40-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Lead arsenate (Pb <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub> )		10102-48-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Lead arsenate, unspecified		7645-25-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Lead arsenite		10031-13-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Mercuric arsenate		7784-37-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
2,6-Dimethyl-4-(1- naphthyl)pyrylium hexafluoroarsenate		84282-36-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
2,6-Dimethyl-4- phenylpyrylium hexafluoroarsenate		84304-15-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4-Cyclohexyl-2,6- dimethylpyrylium hexafluoroarsenate		84304-16-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
6,6'-Dihydroxy-3,3'- diarsene-1,2- diylidanium dichloride		139-93-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Aluminum arsenide (AlAs)		22831-42-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Aluminum gallium arsenide ((Al,Ga)As)		37382-15-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Ammonium arsenate		7784-44-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Ammonium- magnesium-arsenat		14644-70-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Antimony arsenate		28980-47-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Antimony arsenic oxide		64475-90-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Antimony arsenide (Sb3As)		12255-36-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenargentite (Ag3As)		12417-99-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenate(1-), hexafluoro-, hydrogen		17068-85-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenate(1-), hexafluoro-, lithium		29935-35-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenate(1-), hexafluoro-, potassium		17029-22-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, lithium salt		72845-34-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid		1327-52-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid		7778-39-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), ammonium copper(2+) salt (1:1:1)		32680-29-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), barium salt (2:3)		13477-04-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), bismuth salt (1:1)		13702-38-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), cobalt(2+) salt (2:3)		24719-19-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), copper salt		10103-61-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), copper(2+) salt (2:3)		7778-41-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), dipotassium salt		21093-83-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), magnesium salt, manganese-doped		102110-21-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), monoammonium salt		13462-93-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), strontium salt (2:3)		13464-68-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), trilithium salt		13478-14-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), trisilver(1+) salt		13510-44-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid, lead (4+) salt		53404-12-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid, trisodium salt		13464-38-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic bromide		64973-06-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic bromide		7784-33-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenic chloride		37226-49-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsino thioxo		12044-79-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic sulfide (AsS2)		56320-22-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic pentoxide		1303-28-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic selenide (As2Se3)		1303-36-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic sulfide		12612-21-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic sulfide (As2S4)		12344-68-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic telluride (As2Te3)		12044-54-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic trichloride		60646-36-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic trioxide		1327-53-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenic trisulfide		1303-33-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic, elemental		7440-38-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenopyrite, cobaltoan		12414-94-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, trisodium salt		13464-37-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous trichloride		7784-34-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous triiodide		7784-45-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Barium arsenide (Ba <sub>3</sub> As <sub>2</sub> )		12255-50-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Benzenediazonium, 3- methyl-4-(1- pyrrolidinyl)-, hexafluoroarsenate(1- )		27569-09-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Benzenediazonium, 4- (diethylamino)-2- ethoxy-, hexafluoroarsenate(1- )		63217-33-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Benzenediazonium, 4- (ethylamino)-2- methyl-, hexafluoroarsenate(1- )		63217-32-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Benzenesulfonic acid, 4-arsenoso-		71130-51-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Benzenesulfonic acid, 4-arsenoso-, sodium salt		71130-50-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Boron(1+), bis(2,4- pentanedionato-O,O')- , (T-4)-, hexafluoroarsenate(1- )		68892-01-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenate		10103-62-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenate		7778-44-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenide (Ca <sub>3</sub> As <sub>2</sub> )		12255-53-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenite		52740-16-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenite (2:1)		15194-98-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenite (2:3)		27152-57-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Cobalt arsenide (CoAs)		27016-73-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Cobalt arsenide (CoAs <sub>2</sub> )		12044-42-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Cobalt arsenide (CoAs <sub>3</sub> )		12256-04-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Copper acetoarsenite		12002-03-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Copper arsenate		29871-13-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Copper arsenate hydroxide (Cu <sub>2</sub> (AsO <sub>4</sub> )(OH))		12774-48-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Copper arsenide (Cu <sub>3</sub> As)		12005-75-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Copper arsenite		10290-12-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Copper arsenite		33382-64-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Copper diarsenite		16509-22-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Diarsenic acid		13453-15-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Diphenyldiarsenic acid		4519-32-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium hydrogen arsenate (Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), disodium salt, heptahydrate)		10048-95-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium hydrogen arsenate (Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), sodium salt (1:2))		7778-43-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Dysprosium arsenide (DyAs)		12005-81-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Erbium arsenide (ErAs)		12254-88-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Europium arsenide (EuAs)		32775-46-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Ferric arsenate		10102-49-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Ferric arsenite		63989-69-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Ferrous arsenate		10102-50-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Gadolinium arsenide (GdAs)		12005-89-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Gallium arsenide		1303-00-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Gallium arsenide phosphide		106097-61-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Digallium arsenide phosphide		12044-20-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Gallium zinc triarsenide		98106-56-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Germanium arsenide (GeAs)		12271-72-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Holmium arsenide (HoAs)		12005-92-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Indium arsenide (InAs)		1303-11-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Iodonium, diphenyl-, hexafluoroarsenate(1- )		62613-15-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Iron arsenide (Fe <sub>2</sub> As)		12005-88-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Iron arsenide (FeAs)		12044-16-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Iron arsenide (FeAs <sub>2</sub> )		12006-21-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Lanthanum arsenide (LaAs)		12255-04-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Lithium arsenide (Li <sub>3</sub> As)		12044-22-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Lutetium arsenide (LuAs)		12005-94-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Magnesium arsenate		10103-50-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Magnesium arsenide (Mg <sub>3</sub> As <sub>2</sub> )		12044-49-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Manganese arsenide (Mn <sub>2</sub> As)		12005-96-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Manganese arsenide (MnAs)		12005-95-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Manganese hydrogenarsenate		7784-38-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Metaarsenic acid		10102-53-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Methylum, triphenyl-, hexafluoroarsenate(1- )		437-15-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
N-(p- Arsenosophenyl)- 1,3,5-triazine-2,4,6- triamine		21840-08-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Neodymium arsenide (NdAs)		12255-09-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Nickel arsenide (NiAs)		27016-75-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Nickel diarsenide		12068-61-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Niobium arsenide (NbAs)		12255-08-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Platinum arsenide (PtAs <sub>2</sub> )		12044-52-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Potassium arsenate		7784-41-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Potassium arsenide (K <sub>3</sub> As)		12044-21-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Potassium arsenite		10124-50-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Potassium arsenite		13464-35-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Praseodymium arsenide (PrAs)		12044-28-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Rammelsbergite (NiAs <sub>2</sub> )		1303-22-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Samarium arsenide (SmAs)		12255-39-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester, polymer with arsenic oxide(As <sub>2</sub> O <sub>3</sub> )		68957-75-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Silicon(1+), tris(2,4- pentanedionato-O,O')- , (OC-6-11)-, hexafluoroarsenate(1- )		67251-38-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Silver arsenide (Ag <sub>2</sub> As)		70333-07-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium arsenate		7631-89-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium arsenide (Na <sub>3</sub> As)		12044-25-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium arsenite		7784-46-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Sodium metaarsenate		15120-17-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strontium arsenide (Sr3As2)		39297-24-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strontium arsenite		15195-06-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strontium arsenite		91724-16-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strychnidin-10-one, arsenite (1:1)		100258-44-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strychnine arsenate		10476-82-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sulfonium, triphenyl-, hexafluoroarsenate(1- )		57900-42-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Terbium arsenide (TbAs)		12006-08-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Thallium arsenide (TIAs)		12006-09-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Thallium triarsenide		84057-85-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Thulium arsenide (TmAs)		12006-10-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Triammonium arsenate		24719-13-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Triethyl arsenate		15606-95-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Triethyl arsenite		3141-12-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Trimanganese arsenide		61219-26-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Trinickel bis(arsenate)		13477-70-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tris[(8a)-6'- methoxycinchonan- 9(R)-ol] arsenite		94138-87-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tris[(8a,9R)-6'- methoxycinchonan-9- ol] bis(arsenate)		549-59-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Vanadium(4+) diarsenate (1:1)		99035-51-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Ytterbium arsenide (YbAs)		12006-12-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Yttrium arsenide (YAs)		12255-48-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Zinc arsenenate oxide (Zn <sub>5</sub> (AsO <sub>3</sub> ) <sub>4</sub> O <sub>3</sub> ), tetrahydrate		1303-39-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), zinc salt (2:3)		13464-44-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Zinc arsenide (Zn <sub>3</sub> As <sub>2</sub> )		12006-40-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Zinc arsenide (ZnAs <sub>2</sub> )		12044-55-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Zinc arsenite		10326-24-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Zirconium arsenide (ZrAs)		60909-47-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsorous acid		13464-58-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsin		7784-42-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Diphenoxarsin-10- yloxid		58-36-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Trisilverarsenite		7784-08-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Flue dust, lead- refining		69029-67-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium 3,6-bis[(o- arsonophenyl)azo]- 4,5- dihydroxynaphthalene -2,7-disulphonate		62337-00-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Cobalt arsenide		65453-05-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Slimes and Sludges, copper refining		67712-00-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
ARSENIC(V) OXIDE HYDRATE		12044-50-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), copper(2+) salt (2:3), tetrahydrate		13478-34-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), monosodium salt		10103-60-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Diarsenic acid, sodium salt		13464-42-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), zinc salt (1:1)		13464-33-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
potassium dimethylarsinate		21416-85-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
thallium arsenic selenide		16142-89-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
3-[[dimethylcarbamothioyl)thio]-N,N,6-trimethyl-1,5-bis(thioxo)-2,4-dithia-6-aza-3-arsaheptan-1-amine; asomate		3586-60-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich		100995-81-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.		102110-62-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonic acid, [4-[[4-(dimethylamino)phenyl]azo]phenyl]-, monohydrochloride		73688-85-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tetraphenylarsonium Chloride Hydrochloride Hydrate		123334-18-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium hexafluoroarsenate(V)		12005-86-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Silver hexafluoroarsenate		12005-82-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
2,4,6,8,9,10-Hexaoxa-1,3,5,7-tetraarsatricyclo[3.3.1.1.13,7]decane		12505-67-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
tris(trimethylsilyl)arsine		17729-30-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Oxophenarsine hydrochloride		538-03-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Triphenylarsine		603-32-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sulfarsphenamine		618-82-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Phenylarsine oxide		637-03-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium 3-[(o- arsonophenyl)azo]- 4,5- dihydroxynaphthalene -2,7-disulphonate		3547-38-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium 4-[(o- arsonophenyl)azo]-3- hydroxynaphthalene- 2,7-disulphonate		3688-92-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
2-nitrophenylarsonic acid		5410-29-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Trifluoroarsine		7784-35-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Pentafluoroarsorane		7784-36-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Pentahydroxyarsorane		7786-36-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Flue dust, arsenic-contg.		8028-73-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Dimethylarsinic acid		75-60-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Phenylarsonic acid		98-05-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4-hydroxyphenylarsonic acid		98-14-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsanilic acid		98-50-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Nitarsons		98-72-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Oxophenarsine		306-12-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Neoarsphenamine		457-60-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Roxarsone		121-19-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Sodium dimethylarsinate		124-65-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium hydrogen 4-aminophenylarsonate		127-85-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Methyltriphenylarsonium iodide		1499-33-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
2,7-(bis(2- arsonophenylazo))- 1,8- dihydroxynaphthalene -3,6-disulphonic acid		1668-00-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
2-aminophenylarsonic acid		2045-00-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), monocesium salt		16331-85-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium cacodylate trihydrate		6131-99-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), zinc salt (1:2), arsenic and manganese- doped		68611-46-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Antimony oxide (Sb <sub>2</sub> O <sub>3</sub> ), mixed with arsenic oxide (As <sub>2</sub> O <sub>3</sub> )		68951-38-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Methylarsonic acid		124-58-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Disodium arsonoacetate		126-82-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4-[(2- arsonophenyl)azo]-3- hydroxynaphthalene- 2,7-disulphonic acid		132-33-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium hydrogen [4- [(hydroxyacetyl)amin o]phenyl]arsonate		140-45-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
o-phenylenediarsonic acid		1758-48-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium p-[[4-[3-(2- arsono-4- nitrophenyl)triazen-1- yl]phenyl]azo]benzen esulphonate		1772-02-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
3-amino-4- hydroxyphenylarsonic acid		2163-77-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium methylarsonate		2163-80-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
(Carboxymethyl)trime thylarsonium hydroxide inner salt		64436-13-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenate (CaHAsO <sub>4</sub> ) (6CI,7CI)		15195-00-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tetraphenylarsonium (hydrogen dichloride)		21006-73-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Methylenebis(diphenylarsine)		21892-63-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Trisodium 4-[(o- arsonophenyl)azo]-3- oxidonaphthalene- 2,7-disulphonate		53669-45-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Acetarsol sodium		55588-51-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Diphenylarsinecarbonyl trile		23525-22-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Bis[(2- diphenylarsinoethyl)ph enyl]phosphine		23582-05-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
[2- (diphenylarsino)ethyl] diphenylphosphine		23582-06-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), magnesium salt (2:3)		21480-65-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic pentachloride		22441-45-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, gallium salt (1:1)		24343-41-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
10-chloro-10H- phenoxarsine		2865-70-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tri-p-tolylarsine		2896-10-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Difetarstone disodium		515-76-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Trisodium 2-(- hydrogen arsonatophenylazo)- 1,8- dihydroxynaphthalene -3,6-disulphonate		520-10-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Acetarsol-- diethylamine (1:1)		534-33-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tryparsamide		554-72-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
10-chloro-5,10- dihydrophenarsazine		578-94-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium hydrogen [4- (acetamido)phenyl]ar sonate		585-54-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Allylarsonic acid		590-34-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Methyloxoarsine		593-58-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Trimethylarsine		593-88-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Dichloro(ethyl)arsine		598-14-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Triethylarsine		617-75-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4- acetamidophenylarso nic acid		618-22-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4-(4- dimethylaminophenyl azo)phenylarsonic acid		622-68-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Iododimethylarsine		676-75-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Dichloro(phenyl)arsin e		696-28-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Chlorodiphenylarsine		712-48-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Diphenylarsine		829-83-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Methyl 1,2,5,6- tetrahydro-1- methylnicotinate, mono[(3-acetamido- 4- hydroxyphenyl)arsona		900-77-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Methyldiphenylarsine		945-48-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Triphenylarsine oxide		1153-05-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsenate		3599-28-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Difetarstone		3639-19-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
2-[[7-[(2-arsenophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-naphthyl]azo]benzoic acid		3772-44-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
p-tolylarsonic acid		3969-54-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strychnine dimethylarsinate		10476-87-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Ethylenebis(diphenylarsine)		4431-24-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
10-[[dimethylthiocarbamoyl]thio]-5,10-dihydrophenarsazine		4808-24-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4-(2-chloroacetamido)phenylarsonic acid		5425-62-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4-chlorophenylarsonic acid		5440-04-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Calcium bis(dimethylarsinate)		5785-43-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
[4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic acid		5806-89-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate		5892-48-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium bis(methylarsonate)		5902-95-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Iron tris(dimethylarsinate)		5968-84-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Diiodo(phenyl)arsine		6380-34-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium p- arsonobenzenesulphonate		6634-88-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4-(4-aminophenylazo)phenylarsonic acid		6966-64-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium 4-(glycolloylamino)phenylarsonate		7681-83-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium hydrogen 2-[[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-naphthyl]azo]benzoat		14674-83-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
2,2'- [ethylenebis(oxy)]bis[ 1,3,2-dioxarsolane]		14849-23-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Chlorotris(triphenylar sine)rhodium		14973-92-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Proustite (Ag <sub>3</sub> (AsS <sub>3</sub> ))		15122-58-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
o- phenylenebis(dimethy larsine)		13246-32-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Melarsonyl potassium		13355-00-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Thiobis[methylarsine] , anhydrosulphide		13367-92-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Acetarsol		97-44-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Propylarsonic acid		107-34-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium methylarsonate		144-21-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4- (glycolloylamino)phen ylarsonic acid		144-87-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tetramethyldiarsine		471-35-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Melarsoprol		494-79-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tetraphenylarsonium bromide		507-27-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tetraphenylarsonium chloride		507-28-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Glycobiarsol		116-49-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsthinol		119-96-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Carbarsone		121-59-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
ARSENIC ACID (H3ASO4), HEMIHYDRATE		7774-41-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonic acid, methyl-, calcium salt (1:1)		6423-72-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H3AsO4), monopotassium salt, 1/5hydrate		164170-84-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tripotassium arsenate 3/2hydrate		62702-52-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tin arsenide (Sn4As3)		12397-66-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic chloride (AsCl2)		41996-37-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
(2- Chloroethenyl)arsono us dichloride		541-25-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Zinc arsenide		56450-43-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, iron(3+) salt (1:1)		60168-33-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Sodium oxidoarsonous acid		60189-99-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Gallium arsenic phosphide		60953-19-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strontium arsenide (SrAs3)		61462-16-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
(4-((2-Amino-2- oxoethyl)amino)phen yl)arsonic acid		618-25-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsonic acid, methyl-, compd. with 1- octanamine (1:1)		6379-37-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), magnesium manganese(2+) zinc salt, arsenic and lead- doped		68784-76-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, silver(1+) salt		69507-43-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, copper(2+) salt, hydrate, (2:3:3)		73156-86-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, neodymium(3+) salt		76871-63-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, lutetium(3+) salt		76871-65-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, cadmium neodymium(3+) salt (5:1:1)		76871-66-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), copper(2+) salt (2:3)		76407-89-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, cesium salt		82005-78-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, mercury(2+) salt		82980-40-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenous acid, antimony(3+) salt		83877-96-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, cadmium salt		84953-43-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, cobalt(2+) salt		85561-28-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, manganese(2+) salt		85561-29-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, rubidium salt		85906-44-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), calcium salt (7:10)		85949-61-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, praseodymium(3+) salt		86859-92-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, cerium(3+) salt		86859-93-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), copper(2+) salt (1:1), sesquihydrate		88442-64-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), copper(2+) salt (4:5)		89054-01-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), lead(2+) salt (4:5)		89054-03-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), calcium salt (4:5)		89067-81-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, titanium salt		92278-94-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonic acid, tin salt		93080-00-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, ammonium copper salt		94854-78-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, ammonium zinc salt		94854-80-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, tricopper(1+) salt, ammoniated		37337-11-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic tetrasulfide		56729-51-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonic acid, monoammonium salt		54058-01-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tetraarsenic trisulfide		12512-13-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenic(5 ) hexafluoride		16973-45-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic tetrachloride fluoride		87198-15-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonic acid, lead(2+) salt (1:1)		109882-46-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsine, dichloromethyl-		593-89-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic sulfide (As <sub>2</sub> S <sub>5</sub> )		1303-34-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Calcium arsenate fluoride		17068-86-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic chloride (AsCl <sub>3</sub> )		17522-78-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1)		73003-83-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Strychnidin-10-one, compd. with methylarsonate (1:1)		80879-64-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Methyl 17 $\alpha$ -hydroxyyohimban-16 $\alpha$ -carboxylate, methylarsonate (1:1)		80925-03-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium 3,6-bis[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-47-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium 3-[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		84215-48-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
3-formamido-4-hydroxyphenylarsonic acid		60154-16-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Bromo(hydroxytetraphenylarsoranato)magnesium		63468-73-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Trisodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate		66019-20-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Dibismuth tris(methylarsonate)		85237-42-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
(diphenylarsino)dimethylgallium		94113-53-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
(4-aminophenyl)arsonic acid, compound with piperazine (1:1)		94232-26-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Sodium hydrogen allylarsonate		94278-22-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Disodium p- tolylarsonate		94313-58-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Leucomycin V, 9-O- [5- (dimethylamino)tetra hydro-6-methyl-2H- pyran-2-yl]-, [9(5S,6R)]-, [1,2- ethanediylbis(imino- 4,1- phenylene)]bis[arson ate] (1:1) (salt)		93841-79-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenazo III sodium		138608-19-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Manganese arsenate		27526-45-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, zinc salt (2:3)		28837-97-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), cobalt(2+) salt		29871-10-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
arsenic acid (H <sub>3</sub> AsO <sub>4</sub> ), calcium salt(2:3), dihydrate		30621-31-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsine oxide, dichloro(2- chlorovinyl)-		333-25-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H3AsO4), lead(4+) salt (2:1), monohydrate		33940-95-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonic acid, methyl-, iron salt (9CI)		33972-75-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenenous acid, nickel(2+) salt		33992-49-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid, tripotassium salt		36267-15-9	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonate		36465-76-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Iron arsenide		39310-41-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsine, bis(2- chlorovinyl)chloro-		40334-69-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsine, tris(2- chloroethenyl)-		40334-70-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenous acid, lead(2+) salt (1:1)		100822-74-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H3AsO4), copper(2+) salt (4:1)		102525-64-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
4- Aminophenylarsenoxi de		1122-90-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Magnesium arsenate, decahydrate		117746-50-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Boron arsenide (BAs)		12005-69-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Boron arsenide (B6As)		12005-70-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H3AsO4), lead(2+) salt (2:3), tetrahydrate		120119-64-4	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tin arsenide (SnAs)		12044-32-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Tetraarsenic tetrasulfide		12279-90-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Arsenous acid, antimony(3+) salt (1:1)		12523-20-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic selenide		12626-31-2	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic oxide		12777-38-7	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H3AsO4), ammonium salt (2:1)		127795-79-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Nickel arsenide		12795-30-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid (H3AsO4), copper(2+) salt (1:1)		13464-31-8	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid, tripotassium salt		13464-36-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenic acid, calcium salt (1:2)		13464-39-6	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsonic acid, disodium salt		13466-06-3	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Boron arsenate		13510-31-1	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Zinc arsenate, octahydrate		13510-72-0	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Arsenous acid		13768-07-5	Add criterias. For substances or mixtures		Specify the uses covered by the law and regulations
Barium		7440-39-3	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium 2-(2-hydroxy- 3,6-disulphonato-1- naphthyl)azo benzoate (3:2)		15782-06-6	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium 4- (5-chloro- 4-methyl-2- sulphonatophenyl)azo -3-hydroxy-2- naphthoate		7585-41-3	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium 4-(1,1- dimethylethyl)benzoate		10196-68-6	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium bis 5-chloro- 4-ethyl-2- (2- hydroxy-1- naphthyl)azo benzenesulp...		67801-01-8	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium bis(2- ethylhexanoate)		2457-01-4	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Barium bis(dinonylnaphthalen esulphonate)		25619-56-1	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium bis(nonylphenolate)		28987-17-9	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium distearate		6865-35-6	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium oxide, obtained by calcining witherite		1304-28-5	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium(2+) hydrogen 2- (2-hydroxy-3,6- disulphonato-1- naphthyl)azo benzoate		1325-16-2	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-chlorate		13477-00-4	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-chloride		10361-37-2	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-cyanide		542-62-1	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-dilaurate		4696-57-5	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Barium-dioleate		591-65-1	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-fluoride		7787-32-8	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-hydroxide		17194-00-2	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-hydroxide- octahydrate		12230-71-6	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-neodecanoate		55172-98-0	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-nitrate		10022-31-8	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-perchlorate		13465-95-7	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium- permanganate		7787-36-2	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Barium-peroxide		1304-29-6	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Barium-sebacate		19856-32-7	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Naphthenic acid, Barium salts		61789-67-1	Color pigments, stabilizers for PVC Lubricant additives		Specify the uses covered by the law and regulations
Alkane, C16-27-, Chloro-		84776-07-8		Remove criteria of intentional addition	GADSL / D / 1wt%
Alkane, C16-35-, Chloro-		85049-26-9		Remove criteria of intentional addition	GADSL / D / 1wt%
Ammonium undecafluorohexanoate		21615-47-4	Not limited to the applicable criteria in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
sodium undecafluorohexanoate		2923-26-4	Not limited to the applicable criteria in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
undecafluorohexanoic acid		307-24-4	Not limited to the applicable criteria in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Chlorodimethyl(3,3,4, 4,5,5,6,6,7,7,8,8,8- tridecafluorooctyl)silane		102488-47-1	Not limited to the applicable criteria in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
sodium hydrogen (3,3,4,4,5,5,6,6,7,7,8, 8,8- tridecafluorooctyl)pho sphonate		1189052-95-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
(3,3,4,4,5,5,6,6,7,7,8, 8,8- Tridecafluorooctyl)ph osphonic acid monoethyl ester		1189052-97-8	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4,4,5,5,6,6,7,7,8,8,9,9 ,9-tridecafluorononyl methacrylate		1228350-17-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
lithium 2- (bis(4,4,5,5,6,6,7,7,8, 8,9,9,9-tridecafluoro- 2- hydroxynonyl)amino) ethane-1-sulfonate		1262880-17-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4,4,5,5,6,6,7,7,8,8,9,9 ,9-Tridecafluoro-2- hydroxynonyl acrylate		127377-12-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Triethoxy[5,5,6,6,7,7, 7-heptafluoro- 4,4bis(trifluoromethyl )heptyl]silane		130676-81-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1,1,1,2,2,3,4,5,5,5- decafluoro-3- methoxy- 4(trifluoromethyl)pen tane		132182-92-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
(perfluorohexyl)hexad ecane		133310-71-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1-(Perfluorohexyl)octane		133331-77-8	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Trimethyl(tridecafluorohexyl)silane		135841-49-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4,4,5,5,6,7,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl acrylate		16083-76-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4,4,5,5,6,7,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl methacrylate		16083-79-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl acrylate		17527-29-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
bromotris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		175354-31-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		175354-32-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
(prop-2-en-1-yl)tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane		192212-66-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tris[4-(tridecafluorohexyl)phenyl]phosphine		193197-68-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane		2043-57-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1H,1H-Tridecafluoro-1-iodoheptane		212563-43-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate		2144-53-8	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phenyl]phosphine		219985-31-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Phosphonic acid,P-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-		252237-40-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooct-1-ene		25291-17-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1H-Tridecafluoro-3,3-dimethylhex-1-yne		261503-44-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8 ,8-tridecafluorooctyl ester		26650-09-9	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Methyl Perfluoroamyl Ketone		2708-07-8	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,8,8 ,8- tridecafluorooctanesul phonyl chloride		27619-89-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,8,8 ,8- tridecafluorooctanesul phonic acid		27619-97-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2H,2H,3H,3H- Perfluorononanoic acid		27854-30-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Perfluorohexanoic Anhydride		308-13-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1-Methyl-3- (3,3,4,4,5,5,6,6,7,7,8, 8,8- tridecafluorooctyl)imi dazolium hexafluorophosphate		313475-50-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Bis(3,3,4,4,5,5,6,6,7, 7,8,8,8- tridecafluorooctyl)tin oxide		324063-66-3	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Perfluorohexanoyl chloride		335-53-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1-bromo- 1,1,2,2,3,3,4,4,5,5,6,6 ,6- tridecafluorohexane		335-56-8	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4,4,5,5,6,6,7,7,8,8,9,9 ,9-Tridecafluorononyl iodide		34451-26-8	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
N-[3- (dimethylamino)propyl]- 3,3,4,4,5,5,6,6,7,7,8,8 ,8tridecafluoro- octane-1-sulfonamide		34455-22-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Carboxymethyldimethyl-3- [[[(3,3,4,4,5,5,6,6,7,7, 8,8,8tridecafluorooctyl)sulphonyl]amino]propylammonium hydroxide		34455-29-3	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1H,1H- Undecafluorohexylamine		355-34-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Perfluorohexanoyl fluoride		355-38-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1,1,1,2,2,3,3,4,4,5,5,6 ,6-tridecafluoro-6- iodohexane		355-43-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
4- (3,3,4,4,5,5,6,6,7,7,8, 8,8- Tridecafluorooctyl)benzyl alcohol		356055-76-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Diisopropyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		356056-14-9	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]butane-1thiol		36097-07-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol		375-82-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Ethyl Perfluoroamyl Ketone		383177-55-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodononane		38550-34-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)oxirane		38565-52-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1-hexanol, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro-		423-46-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1H,1H- Tridecafluoroheptylam ine		423-49-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Methyl Undecafluorohexanoa te		424-18-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Bis(4,4,5,5,6,6,7,7,8, 8,9,9,9- tridecafluorononyl) azodicarboxylate		452912-11-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2- [methyl[(3,3,4,4,5,5,6 ,6,7,7,8,8,8tridecafluorooctyl)sulphonyl]amino]ethyl acrylate		49859-70-3	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
(7E)-7H,8H- Hexacosafuorotetrad ec-7-ene		51249-67-3	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1-Octanesulfonamide, 3,3,4,4,5,5,6,6,7,7,8,8, 8-tridecafluoro-N(2- hydroxyethyl)-N- methyl-		51619-73-9	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Triethoxy(3,3,4,4,5,5, 6,6,7,7,8,8,8- tridecafluorooctyl)sila ne		51851-37-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Perfluoroheptanoyl chloride		52447-22-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
6:2 fluorotelomer carboxylic acid		53826-12-3	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3-(Perfluoro-3- methylbutyl)-1,2- propenoxide 97%		54009-81-3	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
N-[4- (3,3,4,4,5,5,6,6,7,7,8, 8,8- Tridecafluorooctyl)be nzyloxycarbonyloxy] succinimide		556050-48-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1H-Perfluorooct-1- yne		55756-24-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
6:2 fluorotelomer aldehyde		56734-81-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1-Octanol, 3,3,4,4,5,5,6,6,7,7,8, 8-tridecafluoro-, 1(dihydrogen phosphate)		57678-01-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Potassium 3,3,4,4,5,5,6,6,7,7,8, 8tridecafluorooctanes ulphonate		59587-38-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Ammonium Perfluorohexylethylsul fonate		59587-39-2	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
sodium 2-methyl-2- (3- [(3,3,4,4,5,5,6,6,7,7,8 ,8,8- tridecafluorooctyl)thio ]propanoyl}amino)pr opane-1-sulfonate		62880-93-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
perfluoroheptanal		63967-41-9	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2-(Perfluoro-3- methylbutyl)ethyl methacrylate		65195-44-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
6:2 fluorotelomer unsaturated aldehyde		69534-12-9	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
6:2 fluorotelomer unsaturated carboxylic acid		70887-88-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Dichloromethyl(3,3,4, 4,5,5,6,6,7,7,8,8,8trid ecafluorooctyl)silane		73609-36-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2-Hydroxy-N,N- dimethyl-3-sulfo-N- [3- [(3,3,4,4,5,5,6,6,7,7, 8,8,8- tridecafluorooctyl)sulf onyl]amino]propyl]-1- propanaminium, inner salt		76201-56-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
(Perfluorohexyl)phenylidonium Trifluoromethanesulfonate		77758-84-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Trichloro(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		78560-45-9	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide N-oxide		80475-32-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorooctane		80793-17-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononan-1-ol		80806-68-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
1-(Perfluorohexyl)docosane		825651-73-8	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)maleimide		852527-41-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)iodoacetamide		852527-50-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl azide		852527-60-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		85857-16-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Dimethoxymethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane		85857-17-6	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3-perfluorohexyl-2-hydroxypropyl methacrylate		86994-47-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
(Perfluorohexyl)trifluorooxirane		87375-53-9	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propan-1-aminium chloride		88992-45-4	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide		89889-20-3	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptan-2-ol		914637-05-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
2-Chloro-4,6-bis[3-(perfluorohexyl)propoxy]-1,3,5-triazine		916770-15-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
N-Succinimidyl 4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononanoate		932710-51-5	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2,7-Bis(1H1H2H,2H-perfluorooctyl)-9-fluorenylmethoxycarbonyl chloride		932710-57-1	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-chloroacrylate		96383-55-0	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
2-Iodo-1-(perfluorohexyl)octane		109574-84-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol		647-42-7	Not limited to the applicable criterias in Annex XVII of the REACH Regulation		Specify the uses covered by the law and regulations
Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (UV 350)		36437-37-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)- (UV 327)		3864-99-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1-Methylpyrrolidin-2-one (2-Pyrrolidinone, 1-methyl ) (NMP)		872-50-4	Delete criteria. Textile products, other than clothing, that come in contact with the skin.		Remove criteria that do not apply to NSK products
1-Methylpyrrolidin-2-one (2-Pyrrolidinone, 1-methyl ) (NMP)		872-50-4	Delete criteria. Textile products, other than clothing, that come in contact with the skin.		Remove criteria that do not apply to NSK products
1,2,3,4 (or 1,2,4,5)-tetrachlorobenzene		84713-12-2		Intentionally added	GADSL / P / Any intentionally added content is prohibited
Toluene		108-88-3	For use with adhesives or spray paints		Specify the uses covered by the law and regulations
(2-BIPHENYLOXY)TRIBUTYL TIN		3644-37-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
(Chloroacetoxy)triphenylstannane		7094-94-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
[1R-(1.alpha.,4a.beta.,4b.alpha.,10a.alpha.)]-Tributyl[[[1,2,3,4,4a,4b,5,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthryl]carbonyl]oxy]stannane		26239-64-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3,5-TRIS(TRIBUTYL TIN)-S-TRIAZINE-2,4,6-TRIONE		752-58-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
2-BUTENOIC ACID, 4- OXO-4-[ (TRIBUTYLSTANNYL) OXY]-		4027-18-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
BIS(TRIBUTYLTIN) ITACONATE		25711-26-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bis(tributyltin)oxide		56-35-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bis(tris(2-methyl-2- phenylpropyl)tin) oxide		13356-08-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bis(tributyltin) maleate		14275-57-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bis(tributyltin)phthala te		4782-29-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bis(tributylstannyl)Fu marate		6454-35-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bromotrimethylstanna ne		1066-44-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
P- NITROPHENOXYTRIB UTYL TIN		3644-32-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Stannane, acetoxytriphenyl-		900-95-8	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Stannane, bromotriethyl-		2767-54-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Stannane, fluorotriphenyl-		379-52-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Stannane, tributylfluoro-		1983-10-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyl(lauroyloxy)st annane		3090-36-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyl(neodecanoylo xy)stannane		28801-69-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyl(oleoyloxy)sta nnane		3090-35-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tributyltin		56573-85-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin (and salts and esters)		688-73-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin .alpha.- (2,4,5- trichlorophenoxy) propionate		73940-89-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin .beta.- iodopropionate		73927-95-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN 2- ETHYLHEXANOATE		5035-67-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin acetate		56-36-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin Acrylate		13331-52-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin benzoate		4342-36-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tributyltin bromide		1461-23-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin chloride		1461-22-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN CHLOROACETATE		5847-52-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin cinnamate		27147-18-8	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN CYANATE		4027-17-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN CYANIDE		2179-92-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin dimethyldithiocarbamate		20369-63-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN GAMMA- CHLOROBUTYRATE		33550-22-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tributyltin hydroxide		1067-97-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin iodide		7342-47-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin iodoacetate		73927-91-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin isooctylthioacetate		73927-97-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN ISOPROPYLSUCCINATE		53404-82-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin isothiocyanate		681-99-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin linoleate		24124-25-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin methacrylate		2155-70-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
TRIBUTYLTIN METHANESULPHONAT E		13302-06-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin methoxide		1067-52-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin monopropylene glycol maleate		53466-85-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN NAPHTHENATE		36631-23-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin naphthenate		85409-17-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tributyltin nonanoate		4027-14-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN O- IODOBENZOATE		73927-93-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN P- IODOBEMZOATE		73940-88-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tributyltin sulfamate		6517-25-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
TRIBUTYLTIN UNDECYLENATE		69226-47-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1-(Tricyclohexylstannyl)-1H-1,2,4-triazole		41083-11-8	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triethyltin acetate		1907-13-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triethyltin chloride		994-31-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triethyltin hydroxide		994-32-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triethyltin iodide		2943-86-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triethyltin phenoxide		1529-30-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Trimethyltin acetate		1118-14-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trimethyltin azide		1118-03-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trimethyltin chloride		1066-45-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trimethyltin hydroxide		56-24-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trimethyltin iodide		811-73-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trimethyltin sulphate		63869-87-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trimethyltin thiocyanate		4638-25-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tri-n-butyl tin salicylate		4342-30-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Triphenylstannyl decanoate		47672-31-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyl tin chloride		639-58-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyltin dimethyldithiocarbam ate		1803-12-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyltin hydride		892-20-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyltin hydroxide		76-87-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyltin iodide		894-09-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripropyltin acetate		3267-78-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripropyltin bromide		2767-61-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tripopyltn chloride		2279-76-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripopyltn iodide		7342-45-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripopyltn iodoacetate		73927-92-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripopyltn laurate		57808-37-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripopyltn methacrylate		4154-35-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tricyclohexyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triethyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trihexyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Trimethyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Trioctyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripentyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tripropyl Tin Compounds		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyltin fattyacid((9-11)salt)		18380-71-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyltin fattyacid((9-11)salt)		18380-72-8	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Triphenyltin fattyacid((9-11)salt)		94850-90-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Bis(tributyltin)2,3-dibromosuccinate		31732-71-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Copolymer of alkyl(c=8) acrylate, methyl methacrylate and tributyltin methacrylate		67772-01-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Chloro(triisobutyl)stannane		7342-38-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bis(tributan-1-ylstannyl) but-2-enedioate		24291-45-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Bis(tributan-1-ylstannyl) 2,3-dibromosuccinate		56323-17-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tris-(1-aziridinyl) phosphine oxide		545-55-1	Textile products in contact with skin		Specify the uses covered by the law and regulations
Tris(2-chloro-1-methylethyl) phosphate		13674-84-5		With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	IEC62474

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Tris(2,3-dibromopropyl)phosphate (TRIS)		126-72-7	Textile products in contact with skin		Specify the uses covered by the law and regulations
Trixylyl phosphate		25155-23-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Tris(2,3-dichloro-1-propyl)phosphate		66108-37-0		With respect to the weight of plastics material excluding laminated plates Total bromine concentration 1000 Relative to the weight of the laminate Total bromine concentration 900	IEC62474
Perboric acid (H3BO2(O2)), monosodium salt, trihydrate		13517-20-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Perboric acid, sodium salt		11138-47-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6)		125022-34-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2)		90568-23-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
Sodium perborate		15120-21-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Sodium perborate monohydrate		10332-33-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Perboric acid (HBO(O <sub>2</sub> )), sodium salt, tetrahydrate		10486-00-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Sodium peroxometaborate		7632-04-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Sulfuric acid, cadmium salt (1:1), hydrate		15244-35-6		Relative to the weight of component parts and materials 1000	SVHC / 0.1%
1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)-		117933-89-8	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-		676367-02-5	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-07-0	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

## 8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
1,3-Dioxane, 2- [(1S,2R)-2,4- dimethyl-3- cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-		676367-03-6	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2- [(1R,2S)-2,4- dimethyl-3- cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, trans-		676367-08-1	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2- [(1R,2S)-2,4- dimethyl-3- cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-		676367-04-7	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2- [(1R,2R)-2,4- dimethyl-3- cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, trans- rel-		343934-05-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2- [(1R,2R)-2,4- dimethyl-3- cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, trans-		676367-09-2	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2- [(1R,2R)-2,4- dimethyl-3- cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis- rel-		343934-04-3	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2- [(1R,2R)-2,4- dimethyl-3- cyclohexen-1-yl]-5- methyl-5-(1- methylpropyl)-, cis-		676367-05-8	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2-(2,4- dimethyl-3- cyclohexen-1-yl)-5- methyl-5-(1- methylpropyl)-		186309-28-4	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

8. Substances for which classification has changed (substances for which classification has changed from Ver. 7.4 to Ver. 7.5)

Substance	Substance (in Japanese)	CAS-No.	Changes to Target applications	List Ver 7.4 Management Classification	Reason for revision
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-		676367-06-9	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.
Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane		-	Add (If the Product contains prohibited substances, please consult NSK.)		NSK makes the applicable determination of laws and regulations.

## 9. Revision history

Version	Date	Details of Revisions
Ver.5	July 1, 2008	Created "List of NSK Environmentally Harmful Substances (ver. 5) NSK E 002"
Ver.5.1	January 30,2009	<ol style="list-style-type: none"> <li>1. Changed title "List of NSK Environmentally Harmful Substances (ver. 5)" to "List of NSK Observation Substances (ver.5.1)"</li> <li>2. Revised some of the descriptions in the section "Classes and Standards for Control"</li> <li>3. Added "REACH Regulations Substances of Very High Concern (SVHC): 15 substances" to "Laws/Regulations" in "Laws/Regulations, Industrial Guidelines, and Customer Voluntary Standards Referenced in the List of NSK Observation Substances".</li> <li>4. Deleted "Diphenylamine CAS: 122-39-4" from Annex Table 12 in the "List of NSK Observation Substances" and added "C091: Diphenylamine CAS:122-39-4" to "Annex Table 3: NSK Restricted Substances".</li> <li>5. Added the following substances to "Annex Table 3: NSK Restricted Substances". <ul style="list-style-type: none"> <li>C092 4,4'-Isopropylidenediphenol (Bisphenol A) CAS No: 80-05-7</li> <li>C093 Anthracene CAS No: 120-20-7</li> <li>C094 Triethyl arsenate CAS No: 15606-95-8</li> </ul> </li> </ol>
Ver.5.2	February 28,2011	<ol style="list-style-type: none"> <li>1. Changed title "List of NSK Observation Substances (ver.5.1)" to "List of NSK Environmentally Harmful Substances (ver.5.2)"</li> <li>2. Revised "Laws/Regulations, Industrial Guidelines, Customers' Voluntary Standards Referenced in NSK Environmentally Harmful Substances" as follows: <ol style="list-style-type: none"> <li>1) Added the following laws and regulations to cover newly incorporated substances: <ul style="list-style-type: none"> <li>① Industrial Safety and Health Act; Substances Prohibited for Manufacture</li> <li>② Poisonous and Deleterious Substances Control Act; Specified Poisons Regulations, Annex XVII</li> <li>④ European Chemical Substances Information System (ESIS), PBT (Persistent, Bioaccumulative, and Toxic) (CLP regulations), Carcinogenic, Reprotoxic and/or Mutagenic (CMR) Substances</li> </ul> </li> <li>2) Deleted company names from the Customer Voluntary Standards and document names in Voluntary Standards</li> </ol> </li> <li>3. Added new section "Definitions"</li> <li>4. Revised "Classes and Standards for Control" as follows: <ol style="list-style-type: none"> <li>1) NSK Prohibited Substances (70 substance groups) <ul style="list-style-type: none"> <li>- Deleted 9 substance groups: A043, A062 to A069</li> <li>- Added 9 substance groups: A071 to A079</li> </ul> </li> </ol> </li> </ol>

Version	Date	Details of Revisions
		<p>2) NSK Reduced Substances (14 substance groups)</p> <ul style="list-style-type: none"> <li>- Added 5 substance groups: B010 to B014</li> <li>- Changed some of the phase-out dates</li> </ul> <p>3) NSK Observation Substances (255 substance groups)</p> <ul style="list-style-type: none"> <li>- Deleted 8 substance groups: C010, C023, C027, C056, C057, C089, C090, C093</li> <li>- Added 169 substance groups: C095 to C131, C133 to C264</li> </ul> <p>4) Added new "Classes and Standards for Control" for each product group</p>
Ver.5.3	June 23,2011	<p>1. Revised "Laws/Regulations, Industrial Guidelines, Customers' Voluntary Standards Referenced in NSK Environmentally Harmful Substances" as follows:</p> <ol style="list-style-type: none"> <li>1) Added the following laws and regulations to cover newly incorporated substances: <ul style="list-style-type: none"> <li>① Environmental Quality Standards for Groundwater Pollution</li> <li>② REACH Regulations, Annex XIV: Substances Subject to Authorization</li> <li>③ Stockholm Convention on Persistent Organic Pollutants (POPs)</li> </ul> </li> <li>2) Deleted the item "Customer Voluntary Standards" in order to manage these standards</li> </ol> <p>2. Revised "Classes and Standards for Control" as follows:</p> <ol style="list-style-type: none"> <li>1) NSK Prohibited Substances (73 substance groups) <ul style="list-style-type: none"> <li>- Added 3 substance groups of A080 to A083</li> </ul> </li> <li>2) NSK Reduced Substances (34 substance groups) <ul style="list-style-type: none"> <li>- Added 20 substance groups of B015 to B034</li> <li>- Changed some of the phase-out dates</li> </ul> </li> <li>3) NSK Observation Substances (216 substance groups) <ul style="list-style-type: none"> <li>- Due to integration of substance groups classified as NSK observation substances or their reclassification as NSK reduced substances, 42 substance groups were deleted: C021, C036, C059, C082~C085, C100, C106, C124, C128, C135~C146, C163, C164, C168, C171, C172, C177, C200, C207, C208, C223, C224, C226, C228, C234, C239, C252, C253, C254, C258</li> <li>- Added 3 substance groups of C265 to C267</li> </ul> </li> </ol>
Ver.6.0	August 22,2012	<p>The major revisions are as follows:</p> <ol style="list-style-type: none"> <li>1. To conform to the enactment and issue of 2012GADSL, the List of NSK Environmentally Harmful Substances was revised as follows. <ol style="list-style-type: none"> <li>1) NSK Prohibited Substances (73 substance groups =&gt; 66 substance groups)</li> </ol> </li> </ol>

Version	Date	Details of Revisions
		<p>Up to Ver.5.3, the list of banned substances was decided taking account of the law, industry guidelines and voluntary standards applied by main customers, in addition to NSK's own judgment</p> <p>From this Ver.6.0, the list of banned substances has been decided to comply, in principle, with legal and industry guideline classifications.</p> <ul style="list-style-type: none"> <li>- Deleted substance groups: A003, A009, A014, A050, A054, A055, A060, A072, A078, A080 (10 substance groups)</li> <li>- Additional substance groups: A083-A085 (3 substance groups)</li> </ul> <p>2) NSK reduced use substances (34 substance groups =&gt; 33 substance groups)</p> <p>It was clearly difficult to decide reduced use in the absence of a phase-out date based on legal grounds. As there are no reduced use substances for which a phase-out date could be set based on legal grounds, the phase-out date column was deleted.</p> <ul style="list-style-type: none"> <li>- Deleted substance groups: B006, B009, B011, B012, B013, B014 (6 substance groups)</li> <li>- Additional substance groups: B035-B039 (5 substance groups)</li> </ul> <p>3) NSK controlled substances (216 substance groups =&gt; 185 substance groups)</p> <p>By regrouping the controlled substances, the number of substance groups was reduced to simplify the table.</p> <ul style="list-style-type: none"> <li>- Deleted substance groups: C038, C043, C076, C131, C147, C151, C153, C156, C160, C170, C174, C175, C182-C188, C190, C191, C192, C195, C197, C203, C204, C209, C214, C216, C218, C219, C225, C227, C230, C236, C238, C241, C248, C214 C249, C251, C257, C259, C260, C264 (44 substance groups)</li> <li>- Additional substance groups: C268-C280 (13 substance groups)</li> </ul> <p>4) "Steering electrical products (motors, ECU, sensors)" was appended to Section 2-2, "Classes and Standards for Product Groups".</p> <p>For these products, we decided to apply GADSL..</p> <p>2. Substances added to the List of NSK Environmentally Harmful Substances (Ver.5.3): 207 substances (see Section 5)</p> <p>3. Substances deleted from the List of NSK Environmentally Harmful Substances (Ver.5.3): 12 substances (see Section 6)</p> <p>4. Substances for which the management classification was changed: 665 substances (see Section 7)</p> <p>5. Thresholds</p> <p>Our decision took account of the customer's voluntary standards, as well as our own threshold, and from this Ver.6.0, we decided to comply, in principle, with GADSL and the law.</p> <p>However, if the customer had a special request, we decided to use it.</p> <p>Thresholds and upper control values for analyses of major substances were modified as follows.</p> <p>5-1 The thresholds for parts/materials, indirect materials and production support materials were modified as shown below.</p> <p>However, thresholds for cadmium and lead in resins, rubber, paints, inks and pigments are the same as before.</p> <p>1) Cadmium: 75 ppm was changed to 100 ppm, and a new analysis upper limit was set at 75 ppm</p>

Version	Date	Details of Revisions
		2) Lead: 500 ppm was changed to 1000 ppm, and a new analysis upper limit was set at 500 ppm 3) Mercury: 500 ppm was changed to 1000 ppm, and a new analysis upper limit was set at 500 ppm. 4) Hexavalent chromium: 500 ppm was changed to 1000 ppm, and a new analysis upper limit was set to 500 ppm 5-2 The threshold for packaging materials (ELV4 substances total) 75 ppm was changed to 100 ppm
Ver.6.1	August 30,2013	<p>1. Laws/regulations and industrial guidelines referenced in List of NSK Environmentally Harmful Substances            The JIG List, which is the chemical substance guidelines for electrical and electronic industry by JGPSSI, was migrated to the domestic organization of IEC/TC111 as of May,2012 and changed to the list of the international standards IEC62474. For GADSL which is the guidelines for automobile industry, the regular reviewing was implemented in February, 2013. In addition, substances were added to SVHC (substances of very high concern)/permitted substances in REACH Regulations. In order to meet these laws and regulations and industrial guidelines, the List of NSK Environmentally Harmful Substances (Ver.6.0) defined in this document was revised.</p> <p>2. The major revisions are as follows:</p> <p>1) NSK Prohibited Substances in Table 1 (66 substance groups =&gt; 66 substance groups)            Implemented the addition of prohibited substances and change of management classification but did not change the NSK prohibited substance group.</p> <p>2) NSK Reduced Substances in Table 2 (33 substance groups =&gt; 32 substance groups)            Due to the addition of reduced substances and change of management classification, deleted 1 substance group of NSK reduced substances.            - Deleted substance group: B028</p> <p>3) NSK Observation Substances in Table 3 (185 substance groups =&gt; 174)            Due to the addition/deletion of observation substances, change of management classification, and grouping of substances, etc.,            deleted 23 substance groups for NSK observation substances and added 12 substance groups.            - Deleted substance group: C023, C092, C094, C101, C102, C107, C109, C111, C115, C116, C118, C119, C165, C231, C233, C235, C242, C255, C256, C263, C273, C274, C278            - Additional substance groups: C223, C230, C281-C290</p> <p>4) Substances added to the List of NSK Environmentally Harmful Substances Ver.6.0: 46 substances (see Section 5)            5) Substances deleted from the List of NSK Environmentally Harmful Substances Ver.6.0: 13 substances (see Section 6)            6) Substances whose classifications were changed from the List of NSK Environmentally Harmful Substances Ver.6.0: 6 substances</p>

Version	Date	Details of Revisions
Ver.6.2	June 30, 2014	<p>1. Trends in the Law and Industry Guideline taking NSK Environmentally Harmful Substance List into account</p> <ul style="list-style-type: none"> <li>- In September 2013, the guideline international specification IEC62474 list for environmentally harmful substance control in the electrical and electronics industry was revised.</li> <li>- In February 2014, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> <li>- Two substances were added to Class I Specified Chemical Substance of Chemical Substances Control Law.</li> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation and permitted substances were added.</li> </ul> <p>In order to conform with the above-mentioned laws and regulations and industry guidelines, the NSK Environmentally Harmful Substance List (Ver. 6.1) provided in this regulation was revised.</p> <p>2. Main Revisions</p> <ol style="list-style-type: none"> <li>1) In order to be compatible with the parts and materials conformity table, a partial revision of the management classification according to product group was carried out. <ul style="list-style-type: none"> <li>Autoparts (steering, ball screws for actuators) are managed according to the GADSL classification.</li> <li>Monocarriers of precision-machined products are now classified into machine parts, and electrical/electronic parts.</li> <li>Spindles are managed mainly according to the RoHS Directive in the same way as mechatronic products.</li> </ul> </li> <li>2) The number of prohibited and controlled substances applied to ballbearings, direct drive products and NSK-Warner products has changed. <ul style="list-style-type: none"> <li>Prohibited substances (66 substance groups =&gt; 73 substance groups), Controlled substances (174 substance groups =&gt; 171 substance groups)</li> </ul> </li> <li>3) The NSK Environmentally Harmful Substance List which was divided into prohibition, reduction, and management in Ver. 6.1, has been combined into one. <ul style="list-style-type: none"> <li>Due to this unification, it is easier to search for chemical substances, and examine chemical substance content.</li> <li>For easier understanding of substances subject to NSK Management, the display by chemical substance group has been left unchanged.</li> </ul> </li> <li>4) Details of additional substances, deleted substances and classification changes in Ver. 6.2 are shown on each sheet.</li> <li>5) NSK management criteria were reexamined according to the restrictions of GADSL, IEC62474, and REACH restriction substances. <ul style="list-style-type: none"> <li>Changes are detailed on the NSK Environmentally Harmful Substance List.</li> </ul> </li> </ol>
Ver.6.3	June 30, 2015	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List</li> </ol>

Version	Date	Details of Revisions
		<p>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.2) provided in this provision was revised.</p> <ul style="list-style-type: none"> <li>- Substances were added to Class II Specified Chemical Substance of Chemical Substances Control Law.</li> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- Substances were added to the Stockholm convention on Persistent Organic Pollutants (Persistent Organic Pollutants).</li> <li>- In September 2014, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2015, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> <p>2) Prohibition of Certain Toxic Substances Regulations, 2012 (Canada) was newly added to the NSK Environmentally Harmful Substance List (Ver. 6.3).</p> <p>3) Among substances subject to "Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986 (California state law)", some substances that can be used in NSK products were newly added to the NSK Environmentally Harmful Substance List (Ver. 6.3).</p> <p>2. Main revisions</p> <p>1) "System products (exposure devices)" were deleted from the product groups management classification and management criteria.</p> <p>2) The revision of NSK Environmentally Harmful Substance List includes the following.</p> <ul style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.3) (refer to item 7): 375 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.2) (refer to item 8): 96 substances</li> <li>(3) Substances for which the classification was changed from in Ver. 6.2 of the NSK Environmentally Harmful Substance List to in Ver. 6.3 of that (refer to item 9): 15 substances</li> <li>(4) For ball bearings, direct drive products, and NSK-Warner products, the number of to-be prohibited substances, to-be-reduced substances, and to-be-controlled substances was changed. <ul style="list-style-type: none"> <li>- NSK to-be prohibited substances: 73 substance groups =&gt; 70 substance groups</li> <li>- NSK to-be reduced substances: 32 substance groups =&gt; 34 substance groups</li> <li>- NSK to-be controlled substances: 171 substance groups =&gt; 205 substance groups</li> </ul> </li> <li>(5) Auto parts (steering, ball screws for actuators) are to be managed according to the 2015 GADSL classification.</li> </ul>
Ver.6.4	May 20,2016	<p>Main points of review are as follows.</p> <p>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List</p> <p>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.3) provided in this provision was revised.</p> <ul style="list-style-type: none"> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> </ul>

Version	Date	Details of Revisions
		<ul style="list-style-type: none"> <li>- In September 2015, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2016, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> <p>2. Main revisions</p> <ul style="list-style-type: none"> <li>1) NSK code (A: Prohibited, B: Reduced, C: Observation) was abolished. A summary of the group of substances, changes to the summary of the substance.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following. <ul style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.4) (refer to item 6): 29 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.3) (refer to item 7): 4 substances</li> <li>(3) Substances for which the classification was changed from in Ver. 6.3 of the NSK Environmentally Harmful Substance List to in Ver. 6.4 of that (refer to item 8): 17 substances</li> <li>(4) For ball bearings, direct drive products, and NSK-Warner products. <ul style="list-style-type: none"> <li>Auto parts (steering, ball screws for actuators) are to be managed according to the 2016 GADSL classification.</li> </ul> </li> </ul> </li> </ul>
Ver.6.5	June 5,2017	<p>Main points of review are as follows.</p> <ul style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List <ul style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.4) provided in this provision was revised. <ul style="list-style-type: none"> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In January 2017, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2017, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> </li> </ul> </li> <li>2. Main revisions <ul style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following. <ul style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.5) (refer to item 6): 841 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.4) (refer to item 7): 8 substances</li> <li>(3) Substances for which the classification was changed from in Ver. 6.4 of the NSK Environmentally Harmful Substance List to in Ver. 6.5 of that (refer to item 8): 10 substances</li> <li>(4) For ball bearings, direct drive products, and NSK-Warner products. <ul style="list-style-type: none"> <li>Auto parts (steering, ball screws for actuators) are to be managed according to the 2017 GADSL classification.</li> </ul> </li> </ul> </li> </ul> </li> </ul>

Version	Date	Details of Revisions
Ver.6.6	July 13,2018	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List <ol style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.5) provided in this provision was revised. <ul style="list-style-type: none"> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In January 2018, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2018, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> </li> </ol> </li> <li>2. Main revisions <ol style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following. <ol style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 6.6) (refer to item 6): 1449 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.5) (refer to item 7): 114 substances</li> <li>(3) Substances for which the classification was changed from in Ver. 6.5 of the NSK Environmentally Harmful Substance List to in Ver. 6.6 of that (refer to item 8): 170 substances</li> <li>(4) For ball bearings, direct drive products, and NSK-Warner products. <ul style="list-style-type: none"> <li>Auto parts (steering, ball screws for actuators) are to be managed according to the 2018 GADSL classification.</li> </ul> </li> </ol> </li> </ol> </li> </ol>
Ver.7.0	June 21,2019	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List <ol style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.6.6) provided in this provision was revised. <ul style="list-style-type: none"> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In January 2019, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2019, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> </li> </ol> </li> <li>2. Main revisions <ol style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following. <ol style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.0) (refer to item 6): 236 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 6.6) (refer to item 7): 658 substances</li> </ol> </li> </ol> </li> </ol>

Version	Date	Details of Revisions
		<p>(3) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2019 GADSL classification.</p>
Ver.7.1	August 21,2020	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List <ol style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.0) provided in this provision was revised. <ul style="list-style-type: none"> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In June 2020, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2020, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> </li> </ol> </li> <li>2. Main revisions <ol style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following. <ol style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.1) (refer to item 6): 38 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.0) (refer to item 7): 26 substances</li> <li>(3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.0 to Ver. 7.1 (see Section 8): 35 substances</li> <li>(4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2020 GADSL classification.</li> </ol> </li> </ol> </li> </ol>
Ver.7.1a	March 31,2021	The deadline for the lead (Pb) exemption was reviewed.
Ver.7.2	August 20,2021	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List <ol style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.1a) provided in this provision was revised. <ul style="list-style-type: none"> <li>- Entries 74 and 75 were added to the list of restricted substances in the REACH regulation.</li> <li>- 11 substances were added to the list of authorized substances under the REACH regulation. (54 substance groups)</li> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In April 2021, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> </ul> </li> </ol> </li> </ol>

Version	Date	Details of Revisions
		<p>- In February 2021, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</p> <p>2. Main revisions</p> <ol style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following.               <ol style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.1a) (refer to item 6): 1,622 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.1a) (refer to item 7): 65 substances</li> <li>(3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.1a to Ver. 7.2 (see Section 8): 734 substances</li> <li>4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2021 GADSL classification.</li> </ol> </li> </ol>
Ver.7.2a	March 4, 2022	<p>Change in NSK management classification.</p> <p>Polycyclic aromatic hydrocarbons (PAH; PCAH), selected :Change of classification from prohibited substances to reduced substances.</p> <p>Isopropylphenyl phosphate :Change of classification from prohibited substances to reduced substances.</p>
Ver.7.3	July 11, 2022	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List       <ol style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.2a) provided in this provision was revised.           <ul style="list-style-type: none"> <li>- Entries 76 were added to the list of restricted substances in the REACH regulation.</li> <li>- 5 substances were added to the list of authorized substances under the REACH regulation. (59 substance groups)</li> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In February 2022, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2022, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> </li> </ol> </li> <li>2. Main revisions       <ol style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following.           <ol style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.2a) (refer to item 6): 670 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.2a) (refer to item 7): 0 substances</li> <li>(3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.2a to Ver. 7.3 (see Section 8): 738 substances</li> <li>4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2022 GADSL classification.</li> </ol> </li> </ol> </li> </ol>

Version	Date	Details of Revisions
Ver.7.3a	August 12, 2022	<p>Removed from NSK controlled substance.</p> <p>Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST) CAS-No. 68921-45-9</p> <p>Removed from 'Biocidal coatings / biocidal additives, selected</p> <p>Tetraboron disodium heptaoxide, hydrate CAS-No. 12267-73-1</p>
Ver.7.4	December 8, 2023	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List <ol style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.3a) provided in this provision was revised. <ul style="list-style-type: none"> <li>- Entries 77 were added to the list of restricted substances in the REACH regulation.</li> <li>- 5 substances were added to the list of authorized substances under the REACH regulation. (59 substance groups)</li> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In July 2023, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2023, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> </li> </ol> </li> <li>2. Main revisions <ol style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following. <ol style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.3a) (refer to item 6): 1,801 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.3a) (refer to item 7): 722 substances</li> <li>(3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.3a to Ver. 7.3 (see Section 8): 652 substances</li> <li>4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2023 GADSL classification.</li> </ol> </li> </ol> </li> </ol>
Ver.7.5	September 27, 2024	<p>Main points of review are as follows.</p> <ol style="list-style-type: none"> <li>1. Trends of laws and industry guidelines related to the NSK Environmentally Harmful Substance List <ol style="list-style-type: none"> <li>1) In order to conform to the laws and regulations and industry guidelines mentioned below, the NSK Environmentally Harmful Substance List (Ver.7.4) provided in this provision was revised. <ul style="list-style-type: none"> <li>- Entries 78 were added to the list of restricted substances in the REACH regulation.</li> <li>- 5 substances were added to the list of authorized substances under the REACH regulation. (59 substance groups)</li> <li>- Permitted substance candidate SVHC (substances of high concern) of the REACH regulation were added.</li> <li>- In July 2024, the guideline international specification IEC62474 list for environmentally harmful substance control in the electricity and electronics industry was revised.</li> <li>- In February 2024, the guideline GADSL for environmentally harmful substance control in the automobile industry was revised.</li> </ul> </li> </ol> </li> </ol>

Version	Date	Details of Revisions
		<p>2. Main revisions</p> <ol style="list-style-type: none"> <li>1) The list was reflected the list of of the main customers requiring the green procurement.</li> <li>2) The revision of NSK Environmentally Harmful Substance List includes the following. <ol style="list-style-type: none"> <li>(1) Substances added to the NSK Environmentally Harmful Substance List (Ver. 7.4) (refer to item 6): 275 substances</li> <li>(2) Substances deleted from the NSK Environmentally Harmful Substance List (Ver. 7.4) (refer to item 7): 39 substances</li> <li>(3) Substances whose applications and thresholds were changed in the NSK Environmental Impact Substances List Ver. 7.4 to Ver. 7.5 (see Section 8): 652 substances</li> </ol> </li> <li>4) For ball bearings, direct drive products, and NSK-Warner products. Auto parts (steering, ball screws for actuators) are to be managed according to the 2023 GADSL classification.</li> </ol>



NSK Ltd.

List of NSK Environmentally Harmful Substances(Ver.7.5)