

Green Procurement Standard

Appendix

- Chemical substances to be investigated -**

Version 5.1 July 26th, 2026

Oki Electric Industry Co., Ltd.

Banned substances

These are chemical substances prohibited from being contained in product components and packaging components. If they are contained, we will not purchase them in principle. Regardless of the revision date of this document, these substances include those revised by laws and treaties, and unless otherwise specified, they will be prohibited substances from the date of commencement of regulations by laws and treaties. However, if the OKI Group permits inclusion, or if the OKI Group specifies substances or thresholds in drawings, specifications, etc., such substances or thresholds shall take precedence. Furthermore, if the product falls under the exempted items of the RoHS Directive and other laws and regulations, the inclusion of the product is permitted. Packaging parts used for products delivered to the OKI Group are excluded if they are discarded or collected after delivery and there is no risk of migration or contamination of prohibited substances into the contents due to contact.

If a banned substance is contained even though there is no report in the response, and we incur damages because of it, we may be held liable for contractual non-conformity based on the contract with our suppliers. Even if the supplier is a trading company, the supplier is required to guarantee the content concentration, content, and other information in its response based on the contract.

Examples of packaging components in deliverables are shown in “Table 1. Examples of Packaging Parts”.

No *1	Chemical substances	Threshold (Banned level) *2	Banned	
			product parts	packaging parts
1	EU RoHS Directive Annex II (Table 2)	Compliant with EU RoHS Directive Annex II	o	-
2	EU Persistent Organic Pollutants (POPs) Regulation Annex I (Table 3)	Compliant with EU POPs Regulation Annex I	o	o
3	EU REACH Regulation (EC) No.1907/2006 Annex XVII (Table 4) *The effective date shall be one year prior to the effective date stated in the Official Gazette	Compliant with EU REACH Annex XVII	o	o
4	Class I Specified Chemical Substances from the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. of Japan (Table 5)	Intentionally Added	o	o
5	Stockholm Convention on Persistent Organic Pollutants (POPs) Annex A, B (Table 6) *The substances shall be prohibited six months after their addition to Annex A or B is decided at the Conference of the Parties.	Intentionally Added	o	o
6	The Montreal Protocol on Substances that Deplete the Ozone Layer Annex A, B, C, E	Intentionally Added	o	o
7	Radioactive substances EU-D 96/29/Euratom; Japan Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material, And Reactors, 1986; Japan Law Concerning Prevention from Radiation Hazards; US NRC	Intentionally Added	o	o
8	Japan Industrial Safety and Health Act. Article 55 Prohibited Substances (Table 7)	Table 7	o	o
9	Japan Water Pollution Prevention Act. Regulated substances (Table 8)	Intentionally Added	o	o

No *1	Chemical substances		Threshold (Banned level) *2	Banned	
				product parts	packaging parts
10	Dioxins (Polychlorinated dibenzofurans (PCDFs), Polychlorinated dibenzo-p-dioxins (PCDDs), Coplanar polychlorinated biphenyls (Co-PCBs)) Japan Act on Special Measures against Dioxins		Intentionally Added	0	0
11	Substances Regulated in Batteries EU Battery Regulation (EU) 2023/1542; New York Env Law §27-0719 Battery Management and Disposal; Canadian Environmental Protection Act Products Containing Mercury Regulations (SOR/2014-254); Chinese Standard GB 24427-2009	Cadmium/cadmium compounds	Any rate of content greater than 5 ppm (0.0005% by weight) in battery	0 (Battery)	-
		Lead/lead compounds	Any rate of content greater than 40ppm (0.004% by weight) in battery		
		Mercury/mercury compounds	1. Intentionally Added 2. Any rate of content greater than 1ppm (0.0001% by weight) in battery 3. Any rate of content greater than 5 ppm (0.0005% by weight) in homogeneous material		
12	Polycyclic-aromatic hydrocarbons (PAHs) (Table 9) Germany AfPS GS2019:01PAK		Table 9	0	-
13	Lead/lead compounds US California Proposition 65 Case Law		Any rate of content greater than 300 ppm (0.03% by weight) for surface contact layer of cables/cords (thermoset/Thermoplastic coating)	0	-
14	Mercury/mercury compounds Canadian Environmental Protection Act Products Containing Mercury Regulations (SOR/2014-254); EU Mercury Regulations (EU) 2017/852		Intentionally Added	0	-
15	US TSCA Regulated Substances (Table 10)		Table 10	0	0
16	Aromatic mineral oil hydrocarbons consisting of 1-7 aromatic rings (MOAH); Mineral oil saturated hydrocarbon with 16-35 carbons (MOSH) Article 112 of the French Circular Enoconomy Law L.2020-105		In ink for packaging materials and printed matter, 1. When the MOAH consisting of 1 to 7 aromatic rings exceed 0.1%. 2. When the MOAH consisting of 3 to 7 aromatic rings exceed 1ppm. 3. When the MOSH with 16 to 35 carbon atoms exceed 0.1%.	0	0
17	Specific Heavy Metals (Cd/Cd Compounds; Pb/Pb Compounds; Hg/Hg Compounds; Hexavalent chromium Compounds) EU 94/62/EC Directive; U.S. State Toxics in Packaging (TIP)		1. Intentionally added 2. Any rate of content of the sum of Cd, Hg, Pb, and Cr(VI) is greater than 100ppm (0.01% by weight) in each packaging part. Inks and paints for printing and marking on packaging part are treated as packaging part respectively.	-	0
18	Phthalates, Selected Group 1 (DEHP, DBP, BBP, DIBP) OKI Group Self-Regulation (Considering migration by contact)		The intentional addition of any of the four substances to plastic or rubber packaging materials used for products delivered to the OKI Group.	-	0

*1 With regard to Nos. 2~5, 9, 10, and 16, there is a possibility that some substances, such as those subject to legal amendments, are not specified as Declarable Substances in chemSHERPA external list Ver2.13.00. If they are contained, please report them as "Except for Declarable Substances" in the chemSHERPA Composition information. However, even if a CAS number is not listed on the chemSHERPA substance search screen, the substance may still be a Declarable Substance under a chemical group (SN number). In such cases, please select the applicable SN number and report it as a Declarable Substance.

*2 When there are multiple threshold values (banned levels), if one of them is applicable, it is prohibited. If the threshold includes "intentionally added," enter whether it is intentionally added or not in the comment field of the chemSHERPA Composition information.

Reportable substances

Chemical substances whose content in product parts and packaging parts (intended use, usage area, concentration, etc.) are to be reported. Substances subject to reporting that overlap with Banned substances are treated as Banned substances. Regardless of the revision date of this document, these substances include those revised by laws and treaties, and unless otherwise specified, they will be reportable substances from the date of commencement of regulations by laws and treaties. Packaging parts used for products delivered to the OKI Group are excluded if they are discarded or collected after delivery and there is no risk of migration or contamination of reportable substances into the contents due to contact.

Chemical substances that are not reported in the survey responses from suppliers are considered to be below the thresholds. If a reportable substance is contained even though there is no report in the response, and we incur damages because of it, we may be held liable for contractual non-conformity based on the contract with our suppliers. Even if the supplier is a trading company, the supplier is required to guarantee the content concentration, content, and other information in its response based on the contract.

Reportable substances may be designated as prohibited substances in the future, so please consider alternative preparations if they are contained.

No *1	Chemical substances	Threshold (reporting level) *2	Reportable	
			product parts	product parts
1	SVHC (Substances of Very High Concern) REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation https://echa.europa.eu/candidate-list-table	Any rate of content greater than 1000ppm (0.1% by weight) in article	o	o
2	chemSHERPA Managed substance list (Table 11)	Compliant with chemSHERPA's Criteria for transferring composition information	o	o
3	Polyvinyl chloride (PVC) & PVC Copolymers JS709; IEEE1680(EPEAT); ECMA-370,8.2.1	Any rate of chlorine content greater than 1000ppm (0.1% by weight) in plastic material (other than multilayered printed circuit board laminate)	o	o
4	Cobalt dichloride (CoCl ₂) CLP regulation (EC) No.1272/2008	Intentionally added	o	o

*1 With regard to No. 3, there is a possibility that some substances, such as those subject to legal amendments, are not specified as Declarable Substances in chemSHERPA external list Ver2.13.00. If they are contained, please report them as "Except for Declarable Substances" in the chemSHERPA Composition information. However, even if a CAS number is not listed on the chemSHERPA substance search screen, the substance may still be a Declarable Substance under a chemical group (SN number). In such cases, please select the applicable SN number and report it as a Declarable Substance.

*2 When there are multiple thresholds (reporting levels), if even one threshold is exceeded, it is subject to reporting. If the threshold includes "intentionally added," enter whether it is intentionally added or not in the comment field of the chemSHERPA Composition information.

Table 1. Examples of Packaging Parts

The examples of packaging parts are shown. In addition, shipping cartons are also included.

No	General Name	Example of Application
1	Bag	Polyethylene, paper or non-woven bags, antistatic, dissipative or metalized shielding bags, open top and reclosable/resealable bags
2	Box	Wooden, plastic, metal or corrugated containers
3	Carton	Folding cartons made from paperboard
4	Blister pack/clam shell	Sales packaging for small electronic products made of cardboard and transparent plastic or two hinged halves of plastic shells
5	Chips	Void fill and loose fill chips made of polyethylene, expanded polystyrene or biodegradable
6	Cushion	Air cushion pads, foam edges or corners, molded expanded polystyrene
7	Frame	Wooden frames
8	Tape/Adhesive tape	Adhesive tape to seal e.g. cartons or bags, tape to protect and secure movable sections, printed tape (providing e.g. safety advices)
9	Envelope & Wallet	Envelopes for certificate, document enclose wallets
10	Paints and inks to be used on packaging	Prints and marks for packaging parts.
11	Film	Sealing for cartridges, Protective films on LCD panel surfaces
12	Drying agent	Silica gel
13	Humidity Indicator Card	Maximum humidity indicator
14	Fasteners	Loop fasteners, velcro connectors
15	Label	Barcode labels, RFID (Radio Frequency Identification) labels, Caution labels (which are directly placed on products, and labels to be discarded at the use of products are included, but caution labels placed at the use of products are not included. e.g. “Fragile” sticker for transportation)
16	Tray	Thermoform tray
17	Tie	Cable ties or twist ties
18	Tube/Sleeve	Semiconductormagazine stick, reticular sleeve
19	Slip sheet	Slip sheets of plastic, heavy laminated paperboard, or corrugated fiberboard
20	Metal parts for packaging parts	Staple, nails, fasteners, metal brackets
21	Support tools for packaging parts	Joints, partition/spacers, grips
22	Pallet/Jacket	Wooden, presswood, plastic, CD jacket
23	Reel	Semiconductor reel
24	Strap/Belt	Plastic, textile and metal straps or belts

Table 2. EU RoHS Direction Annex II

Please be sure to verify the details of the regulations by referring to the original legal text. The reference URLs below may not reflect the latest amendments to the law, so please check the official gazette.

Reference URL: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02011L0065-20260701>

No	Chemical substances	Threshold (Banned level)
1	Cadmium/Cadmium compounds	When the content rate exceeds 100 ppm relative to the mass of the homogeneous material.
2	Chromium (VI) Compounds	When the content exceeds 1,000 ppm relative to the mass of the homogeneous material.
3	Lead/Lead compounds	
4	Mercury/Mercury compounds	
5	Polybrominated biphenyls (PBB)	
6	Polybrominated diphenyl ethers (PBDE)	
7	Bis(2-ethylhexyl) phthalate (DEHP)	
8	Butyl benzyl phthalate (BBP)	
9	Dibutyl phthalate (DBP)	
10	Diisobutyl phthalate (DIBP)	

Table 3. EU POPs regulation Annex I

Please be sure to verify the details of the regulations by referring to the original legal text. The reference URLs below may not reflect the latest amendments to the law, so please check the official gazette.

Reference URL: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02019R1021-20260101>

No	Chemical substances	Key Specific Exemptions
1	Tetrabromodiphenyl ether	Less than 10 ppm in substances, mixtures and articles. Electrical and electronic equipment covered by the RoHS Directive is excluded.
2	Pentabromodiphenyl ether	
3	Hexabromodiphenyl ether	
4	Heptabromodiphenyl ether	
5	Bis(pentabromophenyl) ether (decabromodiphenyl ether; decaBDE) CAS No. 1163-19-5	
6	Perfluorooctane sulfonic acid (PFOS), its salts and PFOS-related compounds	PFOS and its salts combined: 25 ppb or less in substances, mixtures, and articles. PFOS-related substances or combinations thereof: 1 ppm or less in substances, mixtures, and articles.
7	DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane) CAS No. 50-29-3	-
8	Chlordane CAS No. 57-74-9	-
9	Hexachlorocyclohexanes, including lindane CAS No. 58-89-9, 319-84-6, 319-85-7, 608-73-1	-
10	Dieldrin CAS No. 60-57-1	-
11	Endrin CAS No. 72-20-8	-
12	Heptachlor CAS No. 76-44-8	-
13	Endosulfan CAS No. 115-29-7, 959-98-8, 33213-65-9	-
14	Hexachlorobenzene (HCB) CAS No. 118-74-1	10 ppm or less in substances, mixtures, and articles.
15	Chlordecone CAS No. 143-50-0	-
16	Aldrin CAS No. 309-00-2	-
17	Pentachlorobenzene CAS No. 608-93-5	-
18	Polychlorinated Biphenyls (PCBs) and specific substitutes	-
19	Mirex CAS No. 2385-85-5	-
20	Toxaphene CAS No. 8001-35-2	-
21	Hexabromobiphenyl CAS No. 36355-01-8	-
22	Hexabromocyclododecane (HBCDD) CAS No. 25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	75 ppm or less in substances, mixtures, and articles.
23	Hexachlorobutadiene (HCBd) CAS No. 87-68-3	-

No	Chemical substances	Key Specific Exemptions
24	Pentachlorophenol and its salts and esters (PCP)	5 ppm or less in substances, mixtures, and articles.
25	Polychlorinated naphthalenes (PCN)	-
26	Alkanes C ₁₀ -C ₁₃ , chloro (short-chain chlorinated paraffins) (SCCPs)	Less than 1 wt% in substances and mixtures. Less than 0.15 wt% in articles.
27	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	PFOA and its salts combined: 25 ppb or less in substances, mixtures, and articles. PFOA-related substances or combinations thereof: 1 ppm or less in substances, mixtures, and articles.
28	Dicofol CAS No. 115-32-2	-
29	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	PFHxS and its salts combined: 25 ppb or less in substances, mixtures, and articles. PFHxS-related substances or combinations thereof: 1 ppm or less in substances, mixtures, and articles.
30	Methoxychlor	0.01 ppm or less in substances, mixtures, and articles.
31	Dechlorane plus CAS No. 13560-89-9, 135821-03-3, 135821-74-8	1,000 ppm or less in substances, mixtures, and articles. After April 15, 2028, 1 ppm or less in substances, mixtures, and articles.
32	2-(2H-benzotriazol-2-yl)-4,6-ditert-pentylphenol (UV-328) CAS No. 25973-55-1	100 ppm or less in substances, mixtures, and articles. After August 4, 2027, 10 ppm or less in substances, mixtures, and articles. After August 4, 2029, 1 ppm or less in substances, mixtures, and articles.
33 *1	Chlorpyrifos CAS No. 2921-88-2	0.01 ppm or less in substances, mixtures, and articles.
34 *1	Long chain perfluorocarboxylic acids (C9-21 PFCAs / LC-PFCA), their salts and related compounds	PFHxS and its salts combined: 25 ppb or less in substances, mixtures, and articles. PFHxS-related substances or combinations thereof: 260 ppb or less in substances, mixtures, and articles.
35 *1	Alkanes C ₁₄ -C ₁₇ , chloro (medium-chain chlorinated paraffins) (MCCPs)	1,000 ppm or less in substances, mixtures, and articles.

*1 expected to be amended.

Table 4. EU REACH regulation Annex XVII

Please be sure to verify the details of the regulations by referring to the original legal text. The reference URLs below may not reflect the latest amendments to the law, so please check the official gazette.

Reference URL: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02006R1907-20260511>

No	Chemical substances	Key Restriction Conditions
1	Polychlorinated terphenyls (PCTs)	Prohibited for use in substances, mixtures containing waste oil, or equipment at concentrations exceeding 50 ppm.
2	Chloroethene (vinyl chloride) CAS No 75-01-4	Prohibited for use as aerosol propellants.
3	Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Use in decorative lamps and ashtrays, etc., prohibited.
4	Tris (2,3 dibromopropyl) phosphate CAS No 126-72-7	Use in textile products that come into contact with skin, prohibited.
5	Benzene CAS No 71-43-2	Use of toys containing more than 5 ppm, prohibited. Use of substances or mixtures containing 0.1 wt% or more, prohibited.
6	Asbestos fibres (a) Crocidolite CAS No 12001-28-4 (b) Amosite CAS No 12172-73-5 (c) Anthophyllite CAS No 77536-67-5 (d) Actinolite CAS No 77536-66-4 (e) Tremolite CAS No 77536-68-6 (f) Chrysotile CAS No 12001-29-5	Manufacture, use, and placing on the market of fibers and mixtures or articles containing these fibers intentionally added, prohibited.
7	Tris(aziridinyl)phosphin oxide CAS No 545-55-1	Prohibition on the use and marketing of textile articles intended for skin contact.
8	Polybromobiphenyls; Polybrominatedbiphenyls (PBB) CAS No 59536-65-1	
9	(a) Soap bark powder (<i>Quillaja saponaria</i>) and its derivatives containing saponines CAS No 68990-67-0 (b) Powder of the roots of <i>Helleborus viridis</i> and <i>Helleborus niger</i> (c) Powder of the roots of <i>Veratrum album</i> and <i>Veratrum nigrum</i> (d) Benzydine and/or its derivatives CAS No 92-87-5 (e) o-Nitrobenzaldehyde CAS No 552-89-6 (f) Wood powder	Prohibition on the use and marketing of mixtures and articles for mischief purposes.
10	(a) Ammonium sulphide CAS No 12135-76-1 (b) Ammonium hydrogen sulphide CAS No 12124-99-1 (c) Ammonium polysulphide CAS No 9080-17-5	
11	Volatile esters of bromoacetic acids: (a) Methyl bromoacetate CAS No 96-32-2 (b) Ethyl bromoacetate CAS No 105-36-2 (c) Propyl bromoacetate CAS No 35223-80-4 (d) Butyl bromoacetate CAS No 18991-98-5	

No	Chemical substances	Key Restriction Conditions
12	2-Naphthylamine (CAS No 91-59-8) and its salts	Prohibition on the use and marketing of substances and mixtures containing more than 0.1% by weight.
13	Benzidine (CAS No 92-87-5) and its salts	
14	4-Nitrobiphenyl CAS No 92-93-3	
15	4-Aminobiphenyl xenylamine (CAS No 92-67-1) and its salts	
16	Lead carbonates: (a) Neutral anhydrous carbonate (PbCO_3) CAS No 598-63-0 (b) Trilead-bis(carbonate)-dihydroxide $2\text{Pb CO}_3\text{-Pb(OH)}_2$ CAS No 1319-46-6	Prohibition on the use and placing on the market of substances and mixtures for paint applications.
17	Lead sulphates: (a) PbSO_4 CAS No 7446-14-2 (b) $\text{Pb}_x \text{SO}_4$ CAS No 15739-80-7	
18	Mercury compounds	Prohibited for use or placing on the market as substances or mixtures for applications such as preventing contamination of ships and their equipment, or preventing wood decay.
18a	Mercury CAS No 7439-97-6	Prohibited for placing on the market for use in thermometers or measuring instruments.
19	Arsenic compounds	Prohibited for use or placing on the market as substances or mixtures for applications such as ships, buoys, nets, or underwater equipment. Prohibited for use or placing on the market as substances or mixtures for industrial water treatment applications. Prohibited for use in wood preservation. Prohibited for placing on the market of wood treated in this manner.
20	Organostannic compounds	Prohibited for use and placing on the market of substances and mixtures when acting as a biocide. Prohibited for use and placing on the market of substances and mixtures for industrial water treatment. Prohibited for use and placing on the market of articles containing more than 0.1% by weight of tri-substituted organotin compounds, calculated as tin. Prohibition on the use and placing on the market of mixtures and articles containing 0.1 wt% or more of dibutyltin (DBT) compounds, calculated as tin. Prohibition on the use and placing on the market of articles containing 0.1 wt% or more of dioctyltin (DOT) compounds, calculated as tin, for use in textiles/leather products, etc., that come into contact with the skin.
21	Di- μ -oxo-di-n-butylstanniohydroxyborane/Dibutyltin hydrogen borate $\text{C}_8\text{H}_{19}\text{BO}_3\text{Sn}$ (DBB) CAS No 75113-37-0	Prohibition on the use and placing on the market of substances and mixtures containing 0.1 wt% or more.
23	Cadmium and its compounds	Prohibition on the use of mixtures and articles manufactured from plastic materials. Prohibition on the placing on the market of mixtures and articles containing 0.01 wt% or more in plastic materials. Prohibition on the placing on the market of articles coated with paint containing 0.01 wt% or more. Prohibition on the use and placing on the market of articles with cadmium plating.

No	Chemical substances	Key Restriction Conditions
		Prohibition on the use and placing on the market of solder materials containing 0.01 wt% or more.
24	Monomethyl-tetrachlorodiphenyl methane (Trade name: Ugilec 141) CAS No 76253-60-6	Prohibition on the use and placing on the market of substances and mixtures. Prohibition on the placing on the market of articles.
25	Monomethyl-dichloro-diphenyl methane (Trade name: Ugilec 121, Ugilec 21)	
26	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers (Trade name: DBBT) CAS No 99688-47-8	
27	Nickel and its compounds	Prohibition of use and placing on the market of articles intended to come into direct and prolonged contact with the skin.
28	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	Prohibition of use and placing on the market of substances and mixtures for general public use.
29	Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.	
30	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.	
31	(a) Creosote; wash oil CAS No 8001-58-9 (b) Creosote oil; wash oil CAS No 61789-28-4 (c) Distillates (coal tar), naphthalene oils; naphthalene oil CAS No 84650-04-4 (d) Creosote oil, acenaphthene fraction; wash oil CAS No 90640-84-9 (e) Distillates (coal tar), upper; heavy anthracene oil CAS No 65996-91-0 (f) Anthracene oil CAS No 90640-80-5 (g) Tar acids, coal, crude; crude phenols CAS No 65996-85-2 (h) Creosote, wood CAS No 8021-39-4 (i) Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline CAS No 122384-78-5	Prohibition of use and placing on the market for wood treatment purposes. Prohibition of placing on the market of wood treated in this manner.
32	Chloroform CAS No 67-66-3	Prohibited for use in cleaning applications.
34	1,1,2-Trichloroethane CAS No 79-00-5	
35	1,1,2,2-Tetrachloroethane CAS No 79-34-5	
36	1,1,1,2-Tetrachloroethane CAS No 630-20-6	
37	Pentachloroethane CAS No 76-01-7	
38	1,1-Dichloroethene CAS No 75-35-4	
40	Substances classified as flammable gases category 1 or 2, flammable liquids	Prohibited for use in aerosol dispensers intended for the general public for recreational and

No	Chemical substances	Key Restriction Conditions
	categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	decorative purposes.
41	Hexachloroethane CAS No 67-72-1	Prohibited for use in the manufacture or processing of non-ferrous metals.
43	Azocolourants and Azodyes	Prohibition on the use and placing on the market of textile/leather articles that may release concentrations exceeding 30 mg/kg when in direct and prolonged contact with human skin or oral mucosa.
45	Diphenylether, octabromo derivative C ₁₂ H ₂ Br ₈ O	Prohibits the use and placing on the market of substances, mixtures, or articles containing more than 0.1 wt%. Products covered by the RoHS Directive are exempt.
46	(a) Nonylphenol C ₆ H ₄ (OH)C ₉ H ₁₉ , (b) Nonylphenol ethoxylates (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	Prohibits the use and placing on the market of substances or mixtures containing 0.1 wt% or more for applications such as cleaning.
46a	Nonylphenol ethoxylates (NPE) (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	Prohibits the placing on the market of textile articles containing 0.01 wt% or more.
47	Chromium VI compounds	Prohibition on the use and placing on the market of cement and cement-containing mixtures containing soluble hexavalent chromium exceeding 2 ppm relative to the total dry weight of the cement. Prohibition on the placing on the market of leather articles/components containing 3 ppm or more that come into contact with the skin.
48	Toluene CAS No 108-88-3	Prohibition on the use and placing on the market of substances or mixtures containing 0.1 wt% or more for adhesives and spray paint applications intended for the general public.
49	Trichlorobenzene CAS No 120-82-1	Prohibition on the use and placing on the market of substances or mixtures containing 0.1 wt% or more.
50	Polycyclic-aromatic hydrocarbons (PAH) (a) Benzo[a]pyrene (BaP) CAS No 50-32-8 (b) Benzo[e]pyrene (BeP) CAS No 192-97-2 (c) Benzo[a]anthracene (BaA) CAS No 56-55-3 (d) Chrysen (CHR) CAS No 218-01-9 (e) Benzo[b]fluoranthene (BbFA) CAS No 205-99-2 (f) Benzo[j]fluoranthene (BjFA) CAS No 205-82-3 (g) Benzo[k]fluoranthene (BkFA) CAS No 207-08-9 (h) Dibenzo[a,h]anthracene (DBAhA) CAS No 53-70-3	Prohibition on the use and placing on the market of extender oils containing 1 ppm of BaP or containing 10 ppm or more of total PAHs. Prohibition on the placing on the market of tires and retreaded treads (anti-slip) containing such extender oils. Prohibition on placing on the market articles containing rubber or plastic parts that come into direct and prolonged or repeated skin or oral contact, and that contain PAHs exceeding 1 ppm. Prohibition on placing on the market toys and childcare articles containing rubber or plastic parts that come into direct and prolonged or repeated skin or oral contact, and that contain PAHs exceeding 0.5 ppm.
50a	Polycyclic aromatic hydrocarbons (PAHs) (a) Acenaphthene CAS No 83-32-9 (b) Acenaphthylene CAS No 208-96-8 (c) Anthracene CAS No 120-12-7 (d) Benzo[a]anthracene (BaA) CAS No 56-55-3 (e) Benzo[a]pyrene (BaP) (Benzo[def]chrysene) CAS No 50-32-8	Effective April 22, 2026, the use and marketing of substances and mixtures containing more than 50 ppm total PAHs for the purpose of creating craters for shooting shall be prohibited.

No	Chemical substances	Key Restriction Conditions
	(f) Benzo[b]fluoranthene (BbFA) (Benzo[e]acephenanthrylene) CAS No 205-99-2 (g) Benzo[e]pyrene (BeP) CAS No 192-97-2 (h) Benzo[ghi]perylene CAS No 191-24-2 (i) Benzo[j]fluoranthene (BjFA) CAS No 205-82-3 (j) Benzo[k]fluoranthene (BkFA) CAS No 207-08-9 (k) Chrysen (CHR) CAS No 218-01-9 (l) Dibenzo[a,h]anthracene (DBAhA) CAS No 53-70-3 (m) Fluoranthene CAS No 206-44-0 (n) Fluorene CAS No 86-73-7 (o) Indeno[1,2,3-cd]pyrene CAS No 193-39-5 (p) Naphthalene CAS No 91-20-3 (q) Phenanthrene CAS No 85-01-8 (r) Pyrene CAS No 129-00-0	
51	(a) Bis(2-ethylhexyl) phthalate (DEHP) CAS No. 117-81-7 (b) Dibutyl phthalate (DBP) CAS No. 84-74-2 (c) Benzyl butyl phthalate (BBP) CAS No. 85-68-7 (d) Diisobutyl phthalate (DIBP) CAS No. 84-69-5	Prohibition on the use of substances or mixtures containing 0.1 wt% or more in plasticizing materials, individually or in combination, in toys and childcare articles. Prohibition on placing on the market of toys or childcare articles containing 0.1 wt% or more in plasticizing materials, individually or in combination. Prohibition on placing on the market articles containing 0.1 wt% or more of the substance or mixture in plasticizing materials, either individually or in combination. This does not apply to electrical and electronic equipment subject to the RoHS Directive, etc.
52	The following phthalates (a) Di-‘isononyl’ phthalate (DINP) CAS No 28553-12-0 and 68515-48-0 (b) Di-‘isodecyl’ phthalate (DIDP) CAS No 26761-40-0 and 68515-49-1 (c) Di-n-octyl phthalate (DNOP) CAS No 117-84-0	Prohibition on the use of substances or mixtures containing 0.1 wt% or more in plasticizers for toys and childcare articles. Prohibition on the placing on the market of toys and childcare articles containing more than 0.1 wt% in plasticizers.
54	2-(2-methoxyethoxy)ethanol (DEGME) CAS No 111-77-3	Prohibition on the placing on the market of substances or mixtures containing 0.1 wt% or more in paints, paint strippers, cleaning agents, self-glossing emulsions, or floor sealants intended for the general public.
55	2-(2-butoxyethoxy)ethanol (DEGBE) CAS No 112-34-5	Prohibition on placing on the market for the general public spray paints or spray cleaners in aerosol dispensers containing 3 wt% or more of the substance, mixture, or article.
56	Methylenediphenyl diisocyanate (MDI) CAS No 26447-40-5 including the following specific isomers: (a) 4,4’-Methylenediphenyl diisocyanate CAS No 101-68-8 (b) 2,4’-Methylenediphenyl diisocyanate CAS No 5873-54-1 (c) 2,2’-Methylenediphenyl diisocyanate CAS No 2536-05-2	Prohibition on placing on the market for the general public mixtures containing 0.1 wt% or more.
57	Cyclohexane CAS No 110-82-7	Prohibition on placing on the market of neoprene-based adhesives containing 0.1 wt% or more in packaging sizes exceeding 350 g for the general public.
58	Ammonium nitrate (AN) CAS No 6484-52-2	Prohibition on placing on the market of substances or mixtures containing more than 28 wt% nitrogen in ammonium nitrate for solid fertilizer applications.

No	Chemical substances	Key Restriction Conditions
59	Dichloromethane CAS No 75-09-2	Prohibition on the use and placing on the market of paint strippers containing 0.1 wt%.
60	Acrylamide CAS No 79-06-1	Prohibition on the use and placing on the market of substances or mixtures containing 0.1 wt% for grouting applications.
61	Dimethylfumarate (DMF) CAS No 624-49-7	Prohibition on the use and placing on the market of articles containing 0.1 ppm or more.
62	(a) Phenylmercury acetate CAS No: 62-38-4 (b) Phenylmercury propionate CAS No: 103-27-5 (c) Phenylmercury 2-ethylhexanoate CAS No: 13302-00-6 (d) Phenylmercury octanoate CAS No: 13864-38-5 (e) Phenylmercury neodecanoate CAS No: 26545-49-3	Prohibition on the manufacture, use, and placing on the market of substances and mixtures containing 0.01 wt% or more. Prohibition on the placing on the market of articles containing 0.01 wt% or more.
63	Lead and its compounds	Prohibition on the use and placing on the market of jewelry containing 0.05 wt% or more. Prohibition on the use and placing on the market of general-purpose articles containing 0.05 wt% or more, where it is foreseeable that young children may put them in their mouths. Does not apply to articles subject to the RoHS Directive, Packaging Waste Directive, etc. Prohibition on the use and placing on the market of firearms containing 1 wt% or more. Prohibition on the use and placing on the market of articles manufactured from polyvinyl chloride (PVC) polymers containing 0.1 wt% or more in the PVC material. Does not apply to articles subject to the RoHS Directive, Packaging Waste Directive, etc.
64	1,4-dichlorobenzene CAS No 106-46-7	Prohibition on placing on the market substances or mixtures containing 1 wt% or more for use in air fresheners or deodorizers.
65	Inorganic ammonium salts	Prohibition on the use and placing on the market of mixtures or articles of cellulose insulation materials with an ammonia release concentration of 3 ppm by volume (2.12 mg/m ³) or more.
66	Bisphenol A CAS No 80-05-7	Prohibition on placing on the market of thermal paper containing 0.02% or more.
68	C9-C14 PFCAs and their salts C9-C14 PFCA-related substances	Prohibition on the manufacture and placing on the market of the substance. Prohibition on the use and placing on the market of substances, mixtures, and articles containing 25 ppb or more of C9-C14 PFCA and its salts in total, or 260 ppb or more of C9-C14 PFCA-related substances in total.
69	Methanol CAS No 67-56-1	Prohibition on the placing on the market of windscreen washer or defrosting fluids containing 0.6% or more.
70	Octamethylcyclotetrasiloxane (D4) CAS No 556-67-2 Decamethylcyclopentasiloxane (D5) CAS No 541-02-6 Dodecamethylcyclohexasiloxane (D6) CAS No 540-97-6	Prohibition on placing on the market of substances or mixtures containing 0.1% by weight or more. Prohibition on use as a solvent for dry cleaning of textiles, leather, and fur.
71	1-methyl-2-pyrrolidone (NMP) CAS No 872-50-4	Prohibition on placing on the market of substances or mixtures containing 0.3% or more, unless the required information is provided in the SDS. Prohibition on manufacturing or using substances or mixtures containing 0.3% or more, unless appropriate working conditions are provided.
72	The substances listed in column 1 of the Table in Appendix 12	Prohibition on placing on the market of clothing, accessories, footwear, etc., that come into skin contact, if they contain substances at concentrations equal to or above those specified in Appendix 12 in homogeneous material parts.

No	Chemical substances	Key Restriction Conditions
73	(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol. Any of its mono-, di- or tri-O-(alkyl) derivatives (TDFAs)	Spray products containing 2 ppb or more are prohibited from being placed on the market for general use.
74	Diisocyanates	The use and placing on the market of substances or mixtures containing 0.1 wt% or more are prohibited.
75	substances in tattoo inks or permanent make-up	The use and placing on the market of mixtures for tattooing purposes are prohibited.
76	N,N-dimethylformamide CAS No 68-12-2	The placing on the market of substances or mixtures containing 0.3% or more is prohibited unless the required information is provided in the SDS. The manufacture and use of substances or mixtures containing 0.3% or more are prohibited unless appropriate working conditions are provided.
77	Formaldehyde and formaldehyde-releasing substances	After August 6, 2026, the placing on the market of articles is prohibited if the formaldehyde release concentration from the article exceeds the specified value.
78	Synthetic polymer microparticles	After October 17, 2027, the placing on the market of substances or mixtures containing 0.1 wt% or more is prohibited.
79	Undecafluorohexanoic acid (PFHxA), its salts and PFHxA-related substances	Prohibition on the use and placing on the market of clothing, textiles, leather goods, footwear, etc., containing 25 ppb or more of PFHxA and its salts combined, or 1 ppm or more of PFHxA-related substances combined, effective October 10, 2026. After April 10, 2026, the use and placing on the market of firefighting foams containing 25 ppb or more of PFHxA and its salts combined, or 1 ppm or more of PFHxA-related substances combined, shall be prohibited.
80	N,N-dimethylacetamide (DMAC) CAS No 127-19-5	Prohibition on placing on the market of substances and mixtures containing 0.3% or more of the substance after December 23, 2026
81	1-ethylpyrrolidin-2-one (NEP) CAS No 2687-91-4	Prohibition on placing on the market of substances and mixtures containing 0.3% or more of the substance after December 23, 2026
82	Per- and poly-fluoroalkyl substances (PFAS)	Prohibition on the use and placing on the market of foam extinguishing agents containing 1 mg/L or more of the substance after October 23, 2030
83	2,4-dinitrotoluene (2,4-DNT) CAS No 121-14-2	Prohibition on the use and placing on the market of articles containing 0.1% or more of the substance after May 10, 2027

Table 5. Class I Specified Chemical Substances from the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. of Japan

Please be sure to verify the details of the regulations by referring to the original legal text. The reference URLs below may not reflect the latest amendments to the law, so please check the official gazette.

Reference URL: https://www.meti.go.jp/policy/chemical_management/kasinhou/about/class1specified_index.html

No	Chemical substances
1	Polychlorinated biphenyls (PCB)
2	Polychlorinated naphthalenes (only those containing 2 or more chlorine atoms in the molecule) (PCN)
3	Hexachlorobenzene (HCB)
4	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-endo-5,8-dimethanonaphthalene (Synonym: Aldrin)
5	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4-endo-5,8-dimethanonaphthalene (Synonym: Dieldrin)
6	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo-1,4-endo-5,8-dimethanonaphthalene (Synonym: Endrin)
7	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane (Synonym: DDT)
8	1,2,4,5,6,7,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene and their analogous compounds (Synonym: Chlordane or Heptachlor)
9	Bis(tributyltin) oxide
10	N,N'-Ditolyl-p-phenylenediamine, N-Tolyl-N'-xylyl-p-phenylenediamine, or N,N'-Dixylyl-p-phenylenediamine
11	2,4,6-tri-tert-butylphenol (2,4,6-TTBP)
12	Polychloro-2,2-dimethyl-3-methylidenebicyclo[2.2.1]heptane (Synonym: Toxaphene)
13	Dodecachloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decane (Synonym: Mirex)
14	2,2,2-Trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl)ethanol or 2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol (Synonym: Kelthane or Dicofol)
15	hexachlorobuta-1,3-diene (HCBD)
16	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol (UV-320)
17	Perfluoro(octane-1-sulfonic acid) (Synonym: PFOS) or its salts
18	Perfluoro(octane-1-sulfonyl) fluoride (Synonym: PFOSF)
19	Pentachlorobenzene
20	r-1,c-2,t-3,c-4,t-5,t-6-Hexachlorocyclohexane (Synonym: alpha-Hexachlorocyclohexane)
21	r-1,t-2,c-3,t-4,c-5,t-6-Hexachlorocyclohexane (Synonym: beta-Hexachlorocyclohexane)
22	r-1,c-2,t-3,c-4,c-5,t-6-Hexachlorocyclohexane (Synonym: gamma-Hexachlorocyclohexane or Lindane)
23	Decachloropentacyclo[5.3.0.0(2,6).0(3,9).0(4,8)]decan-5-one (Synonym: Chlordecone)
24	Hexabromobiphenyl (PBB)

No	Chemical substances
25	Tetrabromo(phenoxybenzene) (Synonym: Tetrabromodiphenyl ether) (PBDE)
26	Pentabromo(phenoxybenzene) (Synonym: Pentabromodiphenyl ether) (PBDE)
27	Hexabromo(phenoxybenzene) (Synonym: Hexabromodiphenyl ether) (PBDE)
28	Heptabromo(phenoxybenzene) (Synonym: Heptabromodiphenyl ether) (PBDE)
29	6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide (synonym: Endosulfan or Benzoepin)
30	Hexabromocyclododecane (HBCDD)
31	Pentachlorophenol, its salts or esters (PCP)
32	Polychlorinated normal paraffin (It is limited that the number of carbon is 10 to 13 and the content of chlorine is more than 48% of the total weight.) (SCCP)
33	1,1'-Oxybis(2,3,4,5,6-pentabromobenzene) (synonym: Decabromodiphenyl ether) (decaBDE)
34	Perfluorooctanoic acid (Synonym: PFOA) or perfluoroalkanoic acid (It is limited to those with a branched structure and the number of carbon is 8.) or their salts
35	Perfluorooctanoic acid (Synonym: PFOA) related compounds
36	Perfluoro(hexane-1-sulfonic acid) (Synonym: PFHxS) or perfluoro(alkanesulfonic acid)(It is limited to those with a branched structure and the number of carbon is 6.) or their salts
37	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol (synonym: UV-328)
38	1,1,1-Trichloro-2,2-bis(methoxyphenyl)ethane (synonym: Methoxychlor)
39	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][8]annulene (synonym: Dechlorane Plus)
40	Perfluoro(hexane-1-sulfonic acid) (Synonym: PFHxS) related compounds
41	Long-chain perfluorocarboxylic acids (Synonym: LC-PFCA), their salts and related compounds
42	O,O-Diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioic acid ester (Synonym: Chlorpyrifos)
43	Alkanes C ₁₄ -C ₁₇ , chloro (medium-chain chlorinated paraffins) (Synonym: MCCPs)

Table 6. Stockholm Convention on Persistent Organic Pollutants (POPs) Annex A, B

Substances added to Annex A and Annex B of the POPs Convention at the Conference of the Parties (COP) shall be designated as Banned substances.
The reference URLs below may not reflect the latest amendments to the law, so please check the official gazette.

Reference URL: <https://www.pops.int/TheConvention/ThePOPs/AllPOPs/tabid/2509/Default.aspx>
https://www.meti.go.jp/policy/chemical_management/int/pops.html

Annex A

No	Chemical substances
1	Aldrin
2	Chlordane
3	Chlordecone
4	Chlorpyrifos
5	Decabromodiphenyl ether (commercial mixture, c-decaBDE)
6	Dechlorane Plus
7	Dicofol
8	Dieldrin
9	Endrin
10	Heptachlor
11	Hexabromobiphenyl (PBB)
12	Hexabromocyclododecane (HBCDD)
13	Hexabromodiphenyl ether and heptabromodiphenyl ether (PBDE)
14	Hexachlorobenzene (HCB)
15	Hexachlorobutadiene (HCBD)
16	Alpha hexachlorocyclohexane
17	Beta hexachlorocyclohexane
18	Lindane
19	Long-chain perfluorocarboxylic acids (LC-PFCA), their salts and related compounds
20	Medium-chain chlorinated paraffins (MCCPs)
21	Methoxychlor
22	Mirex
23	Pentachlorobenzene
24	Pentachlorophenol and its salts and esters

No	Chemical substances
25	Polychlorinated biphenyls (PCB)
26	Polychlorinated naphthalenes (PCN)
27	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
28	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds
29	Short-chain chlorinated paraffins (SCCPs)
30	Technical endosulfan and its related isomers
31	Tetrabromodiphenyl ether and pentabromodiphenyl ether (PBDE)
32	Toxaphene
33	UV-328

Annex B

No	Chemical substances
1	DDT
2	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOSF)

Table 7. Japan Industrial Safety and Health Act. Article 55 Prohibited substances

No	Chemical substances	Threshold (Banned level)
1	Yellow phosphorus matches	-
2	Benzidine and its salts	More than 1% by weight
3	4-aminodiphenyl and its salts	More than 1% by weight
4	Asbestos	More than 0.1% by weight
5	4-nitrodiphenol and its salts	More than 1% by weight
6	Bis (chloromethyl) ether	More than 1% by weight
7	Beta-naphthylamine and its salts	More than 1% by weight
8	Gum containing benzene, in which the volume of contained benzene exceeds 5 % of the solvent (including diluents) of the gum	-

Table 8. Japan Water Pollution Prevention Act. Regulated substances

The substances listed in the table below are Banned substances.

No	Chemical substances
1	Cyanide compounds (excluding acrylonitrile)
2	Organophosphorus compounds (limited to diethyl paranitrofenyl thiophosphate (parathion), dimethyl paranitrofenyl thiophosphate (methyl parathion), dimethyl ethyl mercaptoethyl thiophosphate (methyl dimetone), and Ethyl paranitrophenylthionobenzene phosphonate (also known as EPN) only). (e.g., CAS No.56-38-2, 298-00-0, 867-27-6, 2104-64-5, 8022-00-2)
3	Alkylmercury compounds
4	Simazine (ISO); 6-chloro-N,N'-diethyl-1,3,5- triazine-2,4-diamine (e.g., CAS No.122-34-9)
5	Trichloroethylene (TCE) (e.g., CAS No.79-01-6)
6	Perchloroethylene (PCE) (e.g., CAS No.127-18-4)

Table 9. Polycyclic-aromatic hydrocarbons (PAHs)

It must be below the thresholds shown in the following table.

Chemical substances	Threshold (mg/kg)				
	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or toys or articles intended for prolonged skin contact (exceeding 30 seconds) by children under 3 years of age	Materials not falling under Category 1, intended for or foreseeable to involve prolonged skin contact (exceeding 30 seconds) or repeated short-term skin contact		Materials not falling under Categories 1 or 2, intended for or foreseeable to come into brief contact (30 seconds or less) with skin	
		Products intended for use by children	Other products intended for general consumers	Products intended for use by children	Other products intended for general consumers
Benzo[a]pyrene (BaP) CAS No. 50-32-8	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene (BeP) CAS No.192-97-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]anthracene (BaA) CAS No.56-55-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene (BbFA) CAS No.205-99-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoranthene (BjFA) CAS No.205-82-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene (BkFA) CAS No.207-08-9	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysen (CHR) CAS No.218-01-9	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene (DBAhA) CAS No.53-70-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[ghi]perylene CAS No.191-24-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-cd]pyrene CAS No. 193-39-5	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Anthracene CAS No.120-12-7	< 1 (Sum)	< 5 (Sum)	< 10 (Sum)	< 20 (Sum)	< 50 (Sum)
Fluoranthene CAS No.206-44-0					
Phenanthrene CAS No.85-01-8					
Pyrene CAS No.129-00-0					
Naphthalene CAS No.91-20-3	< 1	< 2		< 10	
Sum of the above 15 PAHs	< 1	< 5	< 10	< 20	< 50

Table 10. US TSCA Regulated Substances

Please be sure to verify the details of the regulations by referring to the original legal text. The reference URLs below may not reflect the latest amendments to the law, so please check the official gazette.

Reference URL: <https://www.ecfr.gov/current/title-40/chapter-I/subchapter-R>

Part	Chemical substances	Threshold (Banned level)
721	Erionite fiber CASRN 12510-42-8, 66733-21-9	Intentionally added * Prohibited only in cases that fall under the category of important new uses subject to regulation.
	Elemental mercury CASRN 7439-97-6	
	Benzidine-based chemical substances	
	Hexabromocyclododecane and 1,2,5,6,9,10-hexabromocyclododecane (HBCDD) CASRN 25637-99-4, 3194-55-6	
	Asbestos	
	Certain perfluoroalkyl sulfonates	
	Long-chain perfluoroalkyl carboxylate chemical substances	
751	Decabromodiphenyl ether (DecaBDE) CASRN 1163-19-5	1. Intentionally added 2. In mixtures or articles, when exceeding 1,000 ppm
	Phenol, isopropylated phosphate (3:1) (PIP(3:1)) CASRN 68937-41-7	1. Intentionally added 2. In mixtures or articles, when exceeding 1,000 ppm
	2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP) CASRN 732-26-3	Intentionally added
	Pentachlorothiophenol (PCTP) CASRN 133-49-3	In mixtures or articles, when exceeding 1 wt%
	Hexachlorobutadiene (HCBD) CASRN 87-68-3	Intentionally added
761	Polychlorinated Biphenyls (PCBs) and specific substitutes	Intentionally added
763	Asbestos	Intentionally added

Table 11. chemSHERPA Managed substance list

For details on chemSHERPA management substances, please visit the CMP Consortium website.

<https://cmp-consortium.com/chemsherpa/tool>

Relevant standards for chemical management ID	Relevant laws/regulations and industry standards
LR01	(JP) Chemical Substances Control Law : Class I Specified Chemical Substances
LR02	(US) Toxic Substances Control Act (TSCA) : Section 6
LR03	(EU) Directive 2000/53/EC (ELV) : Targeted substances
LR04	(EU) 2011/65/EU (RoHS) : Annex II
LR05	(EU) 2019/1021 (POPs) : Annex I
LR06	(EU) REACH (No 1907/2006) : The Candidate List of Substances of SVHC, Annex XIV Authorisation Substances
LR07	(EU) REACH (No 1907/2006) : Annex XVII Restriction substances
LR08	(EU) Medical Devices Regulation (MDR) (EU)2017/745 : Annex I 10.4 Substances
LR09	(China) the Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products
IC01	Global Automotive Declarable Substance List (GADSL)
IC02	IEC 62474 DB Declarable substance groups and declarable substances

Revision Record of this appendix of Green Procurement Standard

Ver. No	Establishment/ Revision Date	Reasons for revision and overview of changes
1.0	2022.3.31	First issue. - separate “Chemical substance groups to be investigated” from the Green Procurement Standard as an appendix. Major Changes from the “Chemical substance groups to be investigated” in the 21st Edition of the Green Procurement Standard, are follows 1. Addition of banned substances: No.29-65 as Product parts, No.18-52 as Packaging parts for shipped products. 2. Changes of Substance name, Regulatory information, Examples of use, and prohibition level: No.3,6,8,14,16-19,27,28 as Product parts, No.4,7,9-12,14,16,17 Packaging parts for shipped products. 3. Delete reportable substances moved to banned substances: No.5,8,12 as Product parts. 4. Addition of tables of substance examples and detailed substance: No.2,55,57 as Product parts, No.3 as Packaging parts for shipped products.
1.1	2022.12.20	Deleted the note “*Only when the OKI Group designates a substance group as a prohibited substance group.” in No.55 of “Banned substance group for product parts”. Added reference information on whether a substance is listed or not in chemSHERPA-AI
2.0	2023.4.1	Addition of banned substances: PIP(3:1) and PFHxS as Product parts and Packaging parts for shipped products.
3.0	2024.1.5	Addition of banned substances: DP and UV-328 as Product parts and Packaging parts for shipped products. Addition of reportable substances: MCCP, PFCA, and PFAS as Product parts and Packaging parts. The effective date of threshold values in REACH ANNEX 17 was changed to one year before the effective date in the official gazette. Revision of entry 63 (entry 15-20) and addition of entries 77 and 78 to the list of REACH ANNEX 17.
4.0	2024.10.1	Integrated list of banned substances for product parts and packaging parts Integration of controlled substances into reportable substances Banned substances No. 54 Cobalt dichloride and No. 56 DINP moved to reportable substances. Addition of 5 ppm to the threshold of banned substance No. 64 PCP MOAH/MOSH, TSCA SNUR substances (Table 5), and PCTP were added to the list of banned substances.
5.0	2025.10.1	Comprehensive Revision of Listing Methods for Banned substances and Reportable substances Reflecting legal amendments: MCCP, LC-PFCA, chlorpyrifos (POPs Convention), PBDE, PFOS, HBCDD, Decloran Plus, UV-328 (EU POPs Regulation Annex I), Entry 50a(PAHs), 79(PFHxA), 80(DMAC), 81(NEP) (EU REACH Regulation Annex XVII), PIP(3:1) (US TSCA PBT Regulation)
5.1	2026.7.26	Reflecting legal amendments: chlorpyrifos, LC-PFCA, MCCP (EU POPs Regulation Annex I), Entry 82(PFAS), 83(2,4-DNT) (EU REACH Regulation Annex XVII), PFHxS-related substance, LC-PFCA, chlorpyrifos, MCCP (Chemical Substances Control Law : Class I Specified Chemical Substances) Note: However, regardless of whether or not it is described in this appendix, substances subject to legal amendments are considered chemical substances to be investigated; therefore, the list of chemical substances to be investigated remains unchanged from Version 5.0.