

## KJS-900-09 Ver11 Chemical substance management rank list

• Please refer to this document when you answer "KJS-900(Apx.2) Certificate of Not to contain of Prohibited Substances in the Products".

## 1.Component prohibition material

【★】 . . . Not applicable to the use: Management

Management rank	Management No.	Substance name	Prohibition standard	CAS No.
Prohibited [A]	A01	Cadmium and its compounds	The content in the homogeneous materials is prohibited to exceed 100ppm. (Some customers:The content in the homogeneous materials is prohibited to exceed 75ppm.) 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Battery: The content in each battery is prohibited to exceed 20 ppm. 4.Sum of concentration of the 4 substances (lead, cadmium, mercury, hexavalent chromium) in packaging materials must not exceed 100ppm.	7440-43-9 etc.
Prohibited [A]	A02	Lead and its compounds	The content in the homogeneous materials is prohibited to exceed 1,000ppm. (Some customers:The content in the homogeneous materials is prohibited to exceed 500ppm.) 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.In the PVC resin coating of PVC wire, the content is exceeding 300 ppm. 4.Prohibits a component that exceed 40ppm (Target: Battery - indication duty) 5.Sum of concentration of the 4 substances (lead, cadmium, mercury, hexavalent chromium) in packaging materials must not exceed 100ppm. 6.Component is prohibited in it more than 100ppm in homogeneous materials (Target: Toy of children may be in the mouth)	7439-92-1 etc.
Prohibited [A]	A03	Mercury and its compounds	Component is prohibited in it more than 1,000ppm in homogeneous materials 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Prohibits a component that exceed 5ppm (Target: Battery - indication duty) 4.Sum of concentration of the 4 substances (lead, cadmium, mercury, hexavalent chromium) in packaging materials must not exceed 100ppm.	7439-97-6 etc.
Prohibited [A]	A04	Hexavalent chromium and its compounds	Component is prohibited in it more than 1,000ppm in homogeneous materials 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.In the case of leather articles or articles containing leather parts coming into contact with the skin, the concentrations in total dry weight of the leather of those leather part must be less than 3ppm. 4.Sum of concentration of the 4 substances (lead, cadmium, mercury, hexavalent chromium) in packaging materials must not exceed 100ppm.	10588-01-9 etc.
Prohibited [A]	A05	Polybrominated biphenyls	Component is prohibited in it more than 1,000ppm in homogeneous materials 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	2052-07-5 etc.
Prohibited [A]	A06	Polybrominated Diphenylethers (PBDE, PBDEs)	Component is prohibited in it more than 1,000ppm in homogeneous materials	36483-60-0 etc.
		deca-bromo-diphenyl-ether(DecaBDE) (Decabromo-1,1'-oxybis(benzene))	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Impurities: 1000ppm or more in content prohibited	1163-19-5
Prohibited [A]	A07	Bis(2-ethylhexyl) phthalate(DEHP)	Component is prohibited in it more than 1,000ppm in homogeneous materials 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	117-81-7
Prohibited [A]	A08	Di-n-butyl phthalate(DBP)	Component is prohibited in it more than 1,000ppm in homogeneous materials 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	84-74-2
Prohibited [A]	A09	Benzyl butan-1-yl phthalate(BBP)	Component is prohibited in it more than 1,000ppm in homogeneous materials 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	85-68-7
Prohibited [A]	A10	Diisobutyl phthalate(DIBP)	Component is prohibited in it more than 1,000ppm in homogeneous materials 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	84-69-5
Prohibited [A]	A11	Trisubstituted organotin compound (except for TBTO, TBTs, TPTs)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Concentration of Tin in the constituent article must not exceed 1,000 ppm.	1066-44-0 etc.
		Tributyl Tin Oxide (TBTO)		56-35-9
		Tributyltin compound, Triphenyl tin compound		56-36-0 etc.
Prohibited [A]	A12	Dibutyltin compound(DBT)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Concentration of Tin in the constituent article must not exceed 1,000 ppm.	683-18-1 etc.
Prohibited [A]	A13	Diocetyl tin compound(DOT)	Textile products in contact with skin, leather goods 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Concentration of Tin in the constituent article must not exceed 1,000 ppm.	26401-97-8 etc.
Prohibited [A]	A14	Polychlorinated Biphenyls (PCBs) and specific substitutes	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	1336-36-3 etc.
Prohibited [A]	A15	Polychlorinated Naphthalenes (more than 1 chlorine atom)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	70776-03-3 etc.

Prohibited [A]	A16	Short chain type chlorinated paraffin	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Component that I exceed 1,000ppm out of the mold goods.	85535-84-8 etc.
Prohibited [A]	A17	Fluorinated greenhouse gases (HFCs, PFCs, SF6)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	75-73-0 etc.
Prohibited [A]	A18	Perfluorooctanesulfonic acid (PFOS) and its salt	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.less than 1,000 ppm for semifinished goods, articles, and parts, less than 1µg/m <sup>2</sup> for surface treatment	307-35-7 etc.
Prohibited [A]	A19	Polychlorinated terphenyls	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Prohibits a component that exceed 50ppm	61788-33-8 etc.
Prohibited [A]	A20	Asbestos	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	77536-66-4 etc.
Prohibited [A]	A21	Specific aromatic amine forming azo dyes and pigments	The fiber (textile) product which may touch skin of the human body for a long time or repeatedly 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.The azo dye which is formed as specific amine more than 30 mg/kg (30ppm).	92-67-1 etc.
Prohibited [A]	A22	Ozone Depleting Substances (CFC, HCFC, HBFC, Carbon tetrachloride)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	75-69-4 etc.
Prohibited [A]	A23	Radioactive material	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	7440-61-1 etc.
Prohibited [A]	A24	Formaldehyde	Wood products / parts, fabrics 【★】 1.A wood product or wood part 2.A textile product or part 3.Impurities: 75ppm is put under ban of a component that I exceed it	50-00-0
Prohibited [A]	A25	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	3846-71-7 36437-37-3
Prohibited [A]	A26	Dimethylfumarate (Dimethyl fumarate, DMF)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3. 0.1ppm is put under ban of a component that exceed it in a mold goods and a part.	624-49-7
Prohibited [A]	A27	PFOA and its salt PFOA related substances	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.PFOA and its salts: Containing more than 0.025ppm PFOA related substances: Containing more than 1ppm in total	335-67-1 etc.
Prohibited [A]	A28	Hexabromocyclododecane and all major diastereoisomers(HBCDD)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	25637-99-4 etc.
Prohibited [A]	A29	Law about regulation such as the examination of the chemical substance and the production The first kind specified chemical substance (other than follows)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	-
		Hexachlorobenzene		118-74-1
		Mirex		2385-85-5
		Perfluorooctanesulfonyl fluoride (PFOSF)		307-35-7
		Hexachlorobutadiene(HCBD)		87-68-3
		Aldrin		309-00-2
		Dieldrin		60-67-1
		Endrin		72-20-8
		DDT		50-29-3
		Chlordanes		12789-03-6 etc.
		N,N'-ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine and N,N'-dixylyl-p-phenylenediamine		28726-30-9 etc.
		2,4,6-tri-tert-butylphenol(2,4,6-TTBP)		732-26-3
		Chlordecone		143-50-0
		Toxaphene		8001-35-2
		Kelthane		10606-46-9
		Pentachlorobenzene		115-32-2
		α- Hexachlorocyclohexane		608-93-5
		β- Hexachlorocyclohexane		319-84-6
		γ- Hexachlorocyclohexane		319-85-7
		Endosulfan		58-89-9 115-29-7 etc.
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.)	18993-26-5 etc.			
Hexabromo-1,1'-biphenyl	36355-01-8			
Hexabromodiphenyl ether	31153-30-7 etc.			
Heptabromodiphenyl ether	68928-80-3 etc.			
Tetrabromodiphenyl ether	5436-43-1 etc.			
Pentabromodiphenyl ether	60348-60-9 etc.			

Prohibited [A]	A30	Polycyclic aromatic hydrocarbons (PAH) Eight specific Substances (REACH restrictions material object)	Products that may be in contact with the human skin or oral cavity for a long time or repeatedly 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Concentration must not exceed 1ppm by weight of rubber or plastic component.	50-32-8 192-97-2 56-55-3 218-01-9 205-99-2 205-82-3 207-08-9 53-70-3
Prohibited [A]	A31	Isopropylated phenol phosphate (3:1)	1.Ban of intentional addition or use. 2.Ban of attachment, mix, or production of the substances in the manufacturing process.  Not applicable in the following cases. - Adhesives and sealants applications (until January 5, 2025) - Lubricant and grease applications. - Content of recycled plastic origin	68937-41-7
Prohibited [A]	A32	Three chlorinated phosphate ester flame retardants 1.Tris(1,3-dichloro-2-propyl)phosphate (TDCPP) 2.Tris(2-chloroethyl)phosphate (TCEP) 3.Tris (chloroisopropyl) phosphate (TCPP)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	See below 13674-87-8 115-96-8 13674-84-5
Prohibited [A]	A33	Perfluoro(perfluoro)rocarboxylic acids (C9-C21 PFCA) with carbon numbers from 9 to 21, their salts and C9-C21 PFCA-related substances Perfluorononan-1-oic acid(PFNA) Nonadecafluorodecanoic acid(PFDA) Henicosfluoroundecanoic acid(PFUnDA) Tricosfluorododecanoic acid(PFDoDA) Pentacosfluorotridecanoic acid(PFTrDA) Heptacosfluorotetradecanoic acid (PFTDA) Nonacosfluoropentadecanoic acid (PFPeDA) Phentriacontafluorohexadecanoic acid (PFHxDA) Perfluoroheptadecanoic acid (PFHpDA) Pentatriaconta-fluorooctadecanoic acid (PFODA) Perfluoronononadecanoic acid (PFNDA) Nonatriaconta-fluoro eicosanoic acid Perfluoroheneicosanoic acid Sodium heptadecafluorononanoate Ammonium=nonadecafluorodecanoate Sodium nonadecafluorodecanoate Heptacosfluorotetradecanoic acid (PFTDA)	Intentional use prohibited	See below 375-95-1 335-76-2 2058-94-8 307-55-1 72629-94-8 376-06-7 141074-63-7 67905-19-5 57475-95-3 16517-11-6 133921-38-7 68310-12-3 - 21049-39-8 3108-42-7 3830-45-3 4149-60-4
Prohibited [A]	A34	Dechlorane Plus TM (1,6,7,8,9,14,15,16,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca- 7,15-diene)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	13560-89-9 135821-03-3 135821-74-8
Prohibited [A]	A35	UV-328 (2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	25973-55-1
Prohibited [B]	B01	Prohibition of manufacturing etc. by the Industrial Safety and Health Act (Article 55) Benzidine White/yellow phosphorus match	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	See below 92-87-5 etc. 12185-10-3
Prohibited [B]	B02	N-Phenyl-benzenamine reaction products with styrene and 2,4,4-trimethylpentene(BNST)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	68921-45-9 etc.
Prohibited [B]	B03	Pentachlorothiophenol(PCTP)	The content rate in the molding quality quantity must be 1 wt% or less.	133-49-3
Prohibited [B]	B04	Beryllium oxide and its compounds	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	1304-56-9 etc.
Prohibited [B]	B05	Brominated flame retardants (other than PBBs, PBDEs or HBCDD)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	126-72-7 etc.
Prohibited [B]	B06	Selenium and its compounds	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	7783-00-8 etc.
Prohibited [B]	B07	Perchlorate and perchlorate compounds	1.Intentional use prohibited 2.Prohibited from a component more than component regulation value 0.006.ppm	7791-03-9 etc.
Prohibited [B]	B08	Pentachlorophenol (PCP) or a salt or ester thereof	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	87-86-5
Prohibited [B]	B09	Bismuth and its compounds	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	7440-69-9 etc.
Prohibited [B]	B10	Organotin compounds (excluding DBT, DOT)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	18253-54-8 26636-01-1 etc.
Prohibited [B]	B11	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	1.Intentional use prohibited 2.Total of PFHxS and its salts: less than 25 ppb (0.000025 wt%) or total of PFHxS related substances: 1,000 ppb (0.0001 wt%)	355-46-4
Prohibited [B]	B12	benzene	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	71-43-2
Prohibited [B]	B13	Antimony and its compounds (such as antimony trioxide)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	1309-64-4 7440-36-0 etc.
Prohibited [B]	B14	1,1,2, - trichloroethane	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	79-00-5
Prohibited [B]	B15	Cyanide (inorganic cyanide appointed at poison by the poison dynamite method)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	542-62-1 etc.

Prohibited [B]	B16	CI Basic Violet 3	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Component is prohibited in it more than 1,000ppm in homogeneous materials	548-62-9
Prohibited [B]	B17	CMR Substances (Carcinogenic, Mutagenic or Toxic to Reproduction toxic)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	-
Prohibited [B]	B18	EU - Biocide rules Unapproved biocidally active substance	Cruel active substance (antibacterial mold-proof) which for products for EEA (EU, Iceland, Norway, Liechtenstein), is not performed approval or approval application of in EU.	-
Prohibited [B]	B19	Law on Chemical Substitution Monitoring chemical substance	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	-
Prohibited [B]	B20	Trichlorethylene(TCE)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	79-01-6
Prohibited [B]	B21	2-Methoxyethanol	Ban of intentional addition or use.	109-86-4
Prohibited [B]	B22	2-Naphthylamine (beta-naphthylamine) and its salts	0.1% by weight in the material	-
Prohibited [B]	B23	4-Nitrobiphenyl	0.1% by weight in the material	92-93-3
Prohibited [B]	B24	Bis(Chloromethyl)Ether	Less than 10,000ppm	542-88-1
Prohibited [B]	B25	4-Aminobiphenyl and its salts	0.1% by weight in the material	92-67-1
Prohibited [B]	B26	Lead carbonates Neutral anhydrous carbonates Trilead bis(carbonate)dihydroxide.	Ban of intentional addition or use.	598-63-0 1319-46-6
Prohibited [B]	B27	Lead sulfates PbSO4 PbxSO4	Ban of intentional addition or use.	7446-14-2 15739-80-7
Prohibited [B]	B28	Di-u-oxozybutyltin hydroxyborane (DBB)	0.1% by weight in the material	75113-37-0
Prohibited [B]	B29	Chloroform	0.1% by weight in the material	67-66-3
Prohibited [B]	B30	1,1,2,2-Tetrachloroethane	0.1% by weight in the material	79-34-5
Prohibited [B]	B31	1,1,1,2-tetrachloroethane	0.1% by weight in the material	630-20-6
Prohibited [B]	B32	Pentachloroethane	0.1% by weight in the material	76-01-7
Prohibited [B]	B33	1,1-Dichloroethylene	0.1% by weight in the material	75-35-4
Prohibited [B]	B34	Trichlorobenzene	0.1% by weight in the material	120-82-1
Prohibited [B]	B35	Methylene diphenyl diisocyanate (MDI) Contains the following specific isomers 4,4'-methylene-phenyl diisocyanate 2,4'-methylene-phenyl diisocyanate 2,2'-methylene-phenyl diisocyanate	0.1% by weight in the material	26447-40-5 101-68-8 5873-54-1 2536-05-2
Prohibited [B]	B36	Phenylmercury acetate Phenylmercury propionate 2-Ethylhexylphenylmercury Phenylmercury caprylate Phenylmercury neodecanoate	0.01% by weight in the total mercury concentration of the substance	62-38-4 103-27-5 13302-0-6 13864-38-5 26545-49-3
Prohibited [B]	B37	Chlorinated paraffin (excluding short-chain chlorinated paraffin)	1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	61788-76-9 etc.
Prohibited [B]	B39	Perfluorohexanoic acid (PFHxA)	Ban of intentional addition or use.	-
Prohibited [B]	B40	Decabromodiphenyl Ethane (DBDPE)	Ban of intentional addition or use.	-
Prohibited [B]	B41	Triphenyl phosphate (TPP)	Ban of intentional addition or use.	-
Prohibited [B]	B42	Medium chain chlorinated paraffins (MCCP, C14-17)	Ban of intentional addition or use.	-
Prohibited [B]	B43	Tetrabromobisphenol A (TBBPA); additive application type	Ban of intentional addition or use.	-
Prohibited [B]	B44	Per- and polyfluoroalkyl substances (PFAS)	Ban of intentional addition or use.	-
Prohibited [B]	B45	Tri (1-aziridinyl) phosphine oxide (TEPA)	When used for textile products and parts thereof that may come into contact with human skin 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	545-55-1
Prohibited [B]	B46	Chlorinated flame retardants	1. Intentional use prohibited 2. Plastic materials (excluding laminated plastic wiring boards): 0.1% by weight (1,000 ppm) of chlorine in plastic materials in total 3. Laminated printed wiring board: 0.09% by weight (900 ppm) of chlorine in the laminate 4. Flame retardants in encapsulants for housings, connectors and package molds.	115-96-8 etc.
Prohibited [B]	B47	Neodymium and its compounds	Ban of intentional addition or use.	-
Prohibited [B]	B48	4-Nonylphenol	0.1% by weight in the material	-
Prohibited [B]	B49	Dioxins	Ban of intentional addition or use.	-
Prohibited [B]	B50	4,4'-Propane-2,2-diyl diphenol; Bisphenol A (Bisphenol A 2,2-Bis(4-hydroxyphenyl)propane))	Ban of intentional addition or use.	80-05-7 etc.
Prohibited [B]	B51	Monomethyl-tetrachlorodiphenylmethane (trade name: Ugilec 141)	Ban of intentional addition or use.	76253-60-6
Prohibited [B]	B52	Monomethyl-dichloro-diphenyl methane (Trade names: Ugilec 121, Ugilec 21)	Ban of intentional addition or use.	81161-70-8
Prohibited [B]	B53	Monomethyl-dibromo-diphenylmethane bromobenzyl bromotoluene isomer mixture (DBBT)	Ban of intentional addition or use.	99688-47-8
Prohibited [B]	B54	Octabromodiphenyl ether. (also known as octabromodiphenyl oxide)	Ban of intentional addition or use.	32536-52-0
Prohibited [B]	B55	Toluene	Oil based paint, repair liquid, printing ink, oil adhesive, screw lock	108-88-3
Prohibited [B]	B56	Xylene	Oil based paint, repair liquid, printing ink, adhesive, pesticide	1330-20-7
Prohibited [B]	B57	Ethylbenzene	Paint, repairing liquid, ink, adhesive	100-41-4
Prohibited [S]	S01	Polyvinyl chloride	Casing 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	9002-86-2
Prohibited [S]	S02	Phthalate esters(DINP, DIDP, DNOP)	Toys or child care products entering the child's mouth 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.In homogeneous materials, the total amount of DNOP, DIDP, DINP must not exceed 1,000 ppm.	28553-12-0 etc.

Prohibited [S]	S03	Arsenic and its compounds	Wood (antiseptic) 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.REACH: Prohibited from a component that exceed 1,000ppm	7440-38-2 etc.
Prohibited [S]	S04	Nickel and its compounds	1.Specific regulatory applications (such as exterior of portable electronic equipment designed for portable use) that may touch the skin for a long time 2.The most outside surface of keyboards and mice as final products 3.The most outside surface of palm rests of laptops and chassis of mobile phones 4.Surface of liquid crystal touch panels 5.Ban of use as alloys containing nickel, such as stainless steels or nickel plating. (component that it is over nickel-releasing rate 0.5µg/cm <sup>2</sup> / week) 【★】	7440-02-0 etc.
Prohibited [S]	S05	Cobalt and its compounds (cobalt chloride ( II ), cobalt sulfate ( II ) etc.)	Packaging material (desiccant) 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	7440-48-4 etc.
Prohibited [S]	S07	Chlorine and its compounds(Cl)	Flame retardants except for short-chain chlorinated paraffins 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	7782-50-5 etc.
Prohibited [S]	S08	All-halogen compounds and halogenated resins	Packing and packaging materials (plastics) 1.Plastic parts for packaging individual products that are known not to be used for products related to office equipment such as copiers, printers, etc. 2.Plastic parts used for purposes other than packaging. 【★】	7782-41-4 7726-95-6 7553-56-2 etc.
		Halogenated organic compounds and halogenated polymers	【★】	9002-84-0 etc.
		Halogenated flame retardants	Resin materials 【★】	79-94-7 etc.
		Halogenated polymers (fluorinated resins are excluded)	【★】	9002-85-1 etc.
Prohibited [S]	S09	Tris (2,3-dibromopropyl) phosphate (TRIS) etc.)	When used for textile products and parts thereof that may come into contact with human skin 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	126-72-7
Prohibited [S]	S10	Polycyclic aromatic hydrocarbons (PAH) Ten specific Substances	Resin material / Power cord (Rubber or plastic components that may come into direct, prolonged or brief repeated contact with human skin or oral cavity) 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Resin: Total PAHs18 classes 200ppm is put under ban of a component that I exceed it. 4.Power supply cord: Total PAHs18 classes 200ppm is put under ban of a component that I exceed it.	83-32-9 208-96-8 120-12-7 191-24-2 206-44-0 86-73-7 193-39-5 91-20-3 85-01-8 129-00-0
Prohibited [S]	S11	Fenobukaru	nti-termite agent of wood, insecticide 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Component is prohibited in it more than 1,000ppm in homogeneous materials	3766-81-2
Prohibited [S]	S12	Paradichlorobenzene	Wood repellent, deodorant 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Component is prohibited in it more than 1,000ppm in homogeneous materials	106-46-7
Prohibited [S]	S13	Chlorpyrifos	Anti-termite agent of wood, insecticide 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Component is prohibited in it more than 1,000ppm in homogeneous materials	2921-88-2
Prohibited [S]	S14	Tetradecane	Kerosene, paint 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Component is prohibited in it more than 1,000ppm in homogeneous materials	629-59-4
Prohibited [S]	S15	Diazinon	Anti-termiticides 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process. 3.Component is prohibited in it more than 1,000ppm in homogeneous materials	333-41-5
Prohibited [S]	S16	4,4'-sulphonyldiphenol (Bisphenol S)	Concentration in the thermal paper must be less than 0.02wt%	80-09-1
Prohibited [S]	S17	Creosote: Cleaning oil Creosote oil: cleaning oil Petroleum distillates (coal tar): naphthalene oils Creosote oil, acenaphthale Distillates: Cleaning oil Distillate (coal tar) High temperature spill: Heavy anthracene oil Anthracene oil Tar oil, Alkali, Crude phenol Creosote, woody Alkaline cold distillate tar oil, extraction residue	wood 【★】 1.Intentional use prohibited 2.Ban of attachment, mix, or production of the substances in the manufacturing process.	122384-78-5 84650-04-4 90640-80-5 90640-84-9 8021-39-4 65996-85-2 65996-91-0 8001-58-9 61789-28-4

Prohibited [S]	S18	Red phosphorus	Prohibited in resin materials used for electrical insulation of electrical and electronic components *When responding to phosphorus, please respond in such a way that it can be determined whether it is red phosphorus or not.	-
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## 2.Component reduction material

Management rank	Management No.	Substance name	Prohibition standard	CAS No.
Reduction		(there is no target material)		-

## 3.Control material

Management rank	Management No.	Substance name	Prohibition standard	CAS No.
Control	C01	Thallium and its compounds		7440-28-0 etc.
Control	C02	Phosphorus and phosphorus compounds (excluding red phosphorus and yellow phosphorus)		7723-14-0 etc.
Control	C03	EU REACH Regulation High Concern Substance (SVHC) Group		-
Control	C04	ChemSHERPA managed substance		-
Control	C05	Ceramic fiber etc		142844-00-6
Control	C06	Acetaldehyde	Adhesive, preservative	75-07-0
Control	C10	Styrene	Polystyrene resin, ASB, ASA, AES resin, etc., varnish	100-42-5
Control	C11	Substances with persistence bioaccumulation and toxicity (PBTs) (vPvBs)		-
Control	C12	Magnesium (except the compound)		7439-95-4
Control	C13	Copper and the compound		7440-50-8
Control	C14	Palladium and the compound		7440-05-3
Control	C15	Silver and the compound		7440-22-4
Control	C16	Chromium and chromium compounds (excluding hexavalent chromium)		7440-47-3 etc.
Control	C17	Long-chain perfluoroalkyl carboxylate (LCPFAC)		-
Control	C18	Mineral oil		-
Control	C19	Applicable substances listed in IEC62474		-
Control	C20	Brucine		357-57-3
Control	C21	sulfur dichloride		7647-01-0 10545-99-0 etc.
Control	C22	Tin Tantalum Tungsten Gold Mica		7440-31-5 7440-25-7 7440-33-7 7440-57-5 12001-26-2

Editions	Date of completion	Date of implementation	Revised content	Revision page	Responsible Person	Approver	Preparer
11	2024/7/22	2024/8/1	[Additional corrections and deletions]  [Addition] Prohibition Level S16: 4,4'-Sulfonyldiphenol (Bisphenol S)  [Modified] Prohibition level S06 → B37 Prohibition level S06 → B37: Chloroalkane (chlorinated paraffins excluding short-chain chlorinated paraffins) from chlorinated paraffins (excluding short-chain chlorinated paraffins) Prohibition level A33: Perfluorinated (perfluorinated) orocarboxylic acids (C9-C21 PFCA) with carbon numbers from 9 to 21, their salts and C9-C21 PFCA-related substances → Revised wording from 9 to 15  Translated with DeepL.com (free version)	ALL	Tokuda	Yoshino	Nakamura