

【Specified Chemical Substances】

The surveyed substances whose inclusion is to be controlled shall be a total of 62 substances, including the banned substances and controlled substances specified below.
In addition, we may add, change, or delete chemical substances under environmental control as necessary in consideration of legal and social requirements.

Classification	No.	Controlled substance name		Object or use	Regulation value
P r o h i b i t e d S u b s t a n c e s	1	Tri-substituted organostannic compounds Tributyltins (TBTs) , Triphenyltins (TPTs) .Bis (tributyltin) oxide (TBTO)		Paints, pigments, stabilizers, antioxidants	Intentionally not used and below 1000 ppm
	2	Polychlorinated terphenyls(PCTs)		Lubricants, paints, preservatives	Intentionally not used and below 50 ppm
	3	Polychlorinated biphenyls (PCBs)		Insulating oil, lubricant, flame retardant	Prohibition of Intentional Use
	4	Polychlorinated naphthalenes (limited to those containing 2 or more chlorine atoms)		Lubricants, paints, resin stabilizers, flame retardants	Prohibition of Intentional Use
	5	Hexachlorobenzene		Herbicide, rubber accelerator, flame retardant, plasticizer	Prohibition of Intentional Use
	6	Bis (tributyltin) oxide		Antiseptics and fungicides,Paint	Prohibition of Intentional Use
	7	N,N'-ditolyl-p-phenylenediamine,N'-tolyl-N'-xylyl-p-phenyleneddiamine or N,N'-dixylyl-p-phenylenediamine		Rubber antioxidants,Styrene-butadiene rubber	Prohibition of Intentional Use
	8	2,4,6-tri-tert-butylphenol		Lubricating oils,Antioxidants and other prepared additives (limited to those for lubricating and fuel oils)	Prohibition of Intentional Use
	9	Dodecachloropentacyclo [5.3.0.02.6.03.9.04,8] decane (also known as Mirex)		Flame retardant	Prohibition of Intentional Use
	10	Hexachlorobutadiene		Solvent	Prohibition of Intentional Use
	11	2- (2'-Hydroxy-3',5'-di-tert-butylphenyl) benzotriazole		UV absorber	Prohibition of Intentional Use
	12	Perfluoro (octane-1-sulfonic acid) (also known as PFOS) or its salts:		Resists for semiconductors,Abrasives	Prohibition of Intentional Use
	13	Perfluoro (octane-1-sulfonyl) =fluoride (also known as PFOSF)		Raw material of PFOS	Prohibition of Intentional Use
	14	Hexabromobiphenyl		Flame retardant	Prohibition of Intentional Use
	15	Tetrabromo (phenoxybenzene) (also known as diphenyl ether, tetrabromo derivative)		Flame retardant	Prohibition of Intentional Use
	16	Pentabromo (phenoxybenzene) (also known as Pentabromodiphenylether)		Flame retardant	Prohibition of Intentional Use
	17	Hexabromo (phenoxybenzene) (also known as Hexabromodiphenylrther)		Flame retardant	Prohibition of Intentional Use
	18	Heptabromo (phenoxybenzene) (also known as Heptabromodiphenylether)		Flame retardant	Prohibition of Intentional Use
	19	Hexabromocyclododecane		Flame retardant	Prohibition of Intentional Use
	20	polychlorinated normal paraffin (limited those in which the carbon number is 10 through 13 and the content of chlorine is more than 48% of the total weight)		Flame retardant	Prohibition of Intentional Use
	21	1,1'-oxybis (2,3,4,5,6-pentabromobenzene) (also known as decabromodiphenylether)		Flame retardant	Prohibition of Intentional Use
	22	Perfluorooctanoic acid (also known as PFOA) or Perfluorinated alkanolic acid (The structure is branched and limited to 8 carbon atoms) or its salt		Lubricating oil,Oil-based formulations	Prohibition of Intentional Use
	23	Perfluorooctanoic acid related substances		Textiles, Medical, Electronic boards, Automobiles	Prohibition of Intentional Use
	24	Perfluoro (Hexane-1-sulphonic acid) (also known as PFHxS) or Perfluoro (Alkanesulfonic Acid) (The structure is branched and limited to 6 carbon atoms) or its salt		Etching agents, surface treatment agents	Prohibition of Intentional Use
	25	2- (2H-benzotriazol-2-yl) -4,6-ditertpentylphenol (also known as UV-328)		Coatings, Adhesives, Plastics, Rubber, Lubricants	Prohibition of Intentional Use
	26	1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro1,1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro1,1,4:7,10-Dimethanodibenzo [a,e] [8]Annulene (also known as Dechlorane Plus)		Electrical and electronic equipment, Plastic products, Rubber products	Prohibition of Intentional Use
	27	Short-chain chlorinated paraffins		Metal processing oils, Flame retardants, Plasticizers, Paints, Adhesives	Prohibition of Intentional Use
	28	Asbestos		Friction materials, Insulation materials, Soundproofing materials, Heat retaining materials	Prohibition of Intentional Use
	29	Ozone-depleting substances (Class I)		Refrigerants	Prohibition of Intentional Use
	30	Aluminum phosphide		Insecticides, Fumigants, Semiconductor materials	Prohibition of Intentional Use
	31	Tri (4-isopropylphenyl) phosphate		Plasticizers, Flame retardants, Anti-wear additives, Anti-compression additives	Prohibition of Intentional Use
R o H S S u b s t r a c t i v e 1 0	32	Cadmium and its compounds		Alloys containing zinc (brass, zinc die-casting, lead-free solder, etc.) , Cadmium is found in all plating, plastics, rubber, paint, etc.	※1 Intentionally not used and below 100 ppm
	33	Lead and its compounds		Lead contained in all items excluding various alloys, solder, and applicable exemptions.	Below 1000 ppm
		Exemptions		Depends on RoHS exemptions	Refer to RoHS regulations
	34	Mercury and its compounds		All mercury contained in products other than compact fluorescent lamps and straight fluorescent lamps	Intentionally not used and below 1000 ppm
	35	Hexavalent chromium compounds		All hexavalent chromium contained in chromate treatment, plating, paint, etc. Metallic chromium and chromium in alloys are not included.	Intentionally not used and below 1000 ppm
	36	Polybrominated biphenyls (PBB)		PBB in all flame retardants, etc.	Intentionally not used and below 1000 ppm
	37	Polybrominated diphenyl ethers (PBDE)		PBDEs in all flame retardants, etc.	Intentionally not used and below 1000 ppm
	38	Di-2-ethylhexyl phthalate (DEHP)		Plasticizers, pigments, dyes, paints, adhesives, inks	Intentionally not used and below 1000 ppm
	39	Butyl benzyl phthalate (BBP)			Intentionally not used and below 1000 ppm
	40	Dibutyl phthalate (DBP)			Intentionally not used and below 1000 ppm
41	Diisobutyl phthalate (DIBP)		Intentionally not used and below 1000 ppm		
C o n t r o l l e d S u b s t a n c e s	1	Azo dyes and pigments forming specific amines		Pigments and colorants for wire coatings *Limited to areas of sustained contact with the human body	Prohibited from intentional use and less than 30 mg/kg (30 ppm) as specific amines
	2	Antimony and its compounds		Pigments, paints, lead-free solder, etc.	Collect data on intentional use and concentrations exceeding 1000 ppm
	3	Arsenic and its compounds		Pigments, paints, dyes, flame retardants	
	4	Beryllium and its compounds		Ceramics, alloys, catalysts, solder	
	5	Nickel and its compounds		Plating, paints, pigments (excluding alloys)	
	6	Selenium and its compounds		Pigments, paints	
	7	Other brominated flame retardants (excluding PBBs and PBDEs)		Flame retardants	
	8	Phthalate esters other than those in 38-41 above		Plasticizers, pigments, dyes, paints, adhesives	
	9	Polyvinyl chloride (PVC) and its mixtures, copolymers		Resins, cord coatings, plasticizers	
	10	Radioactive materials		Packaging materials	Intentionally not used and below 1000 ppm
	11	Formaldehyde		Fiberboard, wood products	Less than 75 ppm in plastic resins and fiber Airborne concentration (chamber method) less
	12	Ozone-depleting substances (Class II: HCFCs)		Refrigerants	Prohibition of Intentional Use
	13	Di-substituted organotin compounds (e.g., DBT, DOT)		Repair materials, adhesives, paints, coatings	Intentionally not used and below 1000 ppm as tin element
	14	Cobalt and its compounds		Alloy components, pigments, catalysts, batteries, magnets, coatings	Intentionally not used and below 1000 ppm
	15	Benzene		Dyes, synthetic rubber, synthetic detergents, pigments, synthetic resins, solvents, plasticizers	Prohibition of Intentional Use
	16	Reaction products of N-phenylbenzenamine with styrene and 2,4,4-trimethylpentene (BNST)		Rubber and lubricant additives, lubricants, greases, etc.	Prohibition of Intentional Use
	17	Trichlorethylene		Degreasing cleaner	Prohibition of Intentional Use
	18	Toluidine		Dyes and adhesives	Prohibition of Intentional Use
	19	REACH/restricted substances		—	—
	20	REACH/substances subject to authorization		—	—
	21	REACH/SVHCs (substances of very high concern)		—	—

1. The regulatory limits are permissible values for unintentional impurities, not intentional additives, and are specified for each homogeneous material part that cannot be mechanically separated.
2. Even if a substance is not listed in this table, compliance with any regulations specified by treaties, laws, ordinances, industry standards, etc., is required.
3.Exempted applications are refer to REACH regulations.