

**ES0101 TEAC Green Procurement Guideline
Specified Chemical Substances List
(3.0 edition)**

February/10/2016
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Table-1 List of Environment-related substance groups (Substances to be prohibited)

Rank	No	Substance (Group) name
Substances to be prohibited	1	Cadmium /Cadmium compounds
	2	Hexavalent Chromium Compounds
	3	Lead /Lead compounds
	4	Mercury /Mercury compounds
	5	Polybrominated diphenylethers (PBBs)
	6	Polybrominated Diphenylethers (PBDEs)
	7	Certain Azocolourants and Azodyes
	8	Short Chain Chlorinated Paraffins
	9	Form aldehyde
	10	Pentachlorophenol (PCP) and its salts and esters
	11	Monomethyl-dibromo-diphenyl methane (DBBT)
	12	Monomethyltetrachlorodiphenylmethane (Trade Name:Ugilec 141)
	13	Monomethyldichlorodiphenylmethane (Trade Name:Ugilec 121, Ugilec 21)
	14	Perfluorooctane sulfonate and its salts (PFOS)
	15	Cobalt chlorides
	16	Dimethyl fumarate (DMF)
	17	Arsenic /Arsenic compounds
	18	Nickel and Nickel compounds
	19	Chlorinated hydrocarbons
	20	Polycyclic aromatic hydrocarbons (PAHs)
	21	Phthalates
	22	Perchlorates
	23	Fluorinated greenhouse gases (PFC, SF6, HFC)
	24	Dibutyltin compounds (DBT)
	25	Diocyltin compounds (DOT)
	26	Asbestos
	27	Specified organic tin compounds, Tributyl Tin Oxide (TBTO)
	28	Tri-substituted organostannic compounds, Tributyl Tin (TBT) and Triphenyl Tin (TPT)
	29	Polychlorinated Biphenyls (PCBs) and Polychlorinated Terphenyl (PCTs)
	30	Polychlorinated Naphthalenes (more than 3 chlorine atoms)
	31	Specific amine
	32	Aromatic amines excluding the above specific amine
	33	Chlordanes
	34	Hexa chloro benzene and benzene
	35	DDT (Chloro phenothane)
	36	Organic chlorine chemicals
	37	Dioxins
	38	Ozone Depleting Substances
	39	N-p-phenylenediamine
	40	Do deca chloro octa hydro-1,3,4-metheno -2H-cyclo buta pentalene (Brand
	41	Toxaphene
	42	Bis (chloro methyl) ether
	43	2,4,6- tri -t- butyl phenol
	44	Yellow phosphorus
	45	2,2,2-Trichloro-1,1-Bis (4-Chlorophenyl) Ethanol (Kelthane, Dicofol)
	46	Hexachlorobutadiene (HCBDD)
	47	Specified benzotriazole 2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di-tert-butylphenol
	48	Beryllium oxide
	49	Radioactive Substances
	50	Hexabromocyclododecane (HBCDD)
	51	Polyvinyl chloride (PVC)
	52	Tetrabromobisphenol A (TBBP-A)
	53	Chlorine
	54	Bromine

Note: Major example substances other than those in the "List of JAMP substances to be managed" are shown in Table-3 List of example substances.

Substances that are not in this list but that are subject to treaties, laws, ordinances or industry guidelines must be reported.

- For detailed information on substances that fall under the List of Exempted Items applies, see the Document-
- For detailed information on parts and materials to be reported and their threshold limit for standards for chemical content, see the Document-2.

Table-2 (ES0101 Table-3) List of Environment-related substance groups (Substances to be controlled)

Rank	No	Substance (Group) name
Substances to be reduced	55	Antimony /Antimony compounds
	56	Bismuth /Bismuth compounds
	57	Metallic chromium /Chromium(III) compounds
	58	Copper /Copper compounds
	59	Indium /Indium compounds
	60	Manganese /Manganese compounds
	61	Molybdenium /Molybdenium compounds
	62	Silver /Silver compounds
	63	Tellurium /Tellurium compounds
	64	Thallium /Thallium compounds
	65	Vanadium /Vanadium compounds
	66	Zinc /Zinc compounds
	67	Metallic carbonyls
	68	Magnesium
	69	Palladium /Palladium compounds
	70	Gold /Gold compounds
	71	Azo compounds (except Certain Azocolourants and Azodyes (No.7))
	72	Chlorinated paraffine (except short chain chlorinated paraffins (No.8))
	73	Cyanogen /Cyanogen compounds
	74	Brominated Flame Retardants (except for PBBs, PBDEs and HBCDD, TBBP-A)
	75	Halogenated fire retardants/halogenated resin additives
	76	Barium /Barium compounds
	77	Boron /Boron compounds
	78	Inorganic phosphorus compounds
	79	Organic phosphorus compounds
	80	Xylenes
	81	Aromatic hydrocarbons
	82	Organic esters
	83	Chloro phenols
	84	N - nitrosamines
	85	All flame retardants exclude halogenated substances
	86	Red Phosphorus
	87	Surfactants
	88	Triclosan
	89	Perfluoro Octanoic Acid (PFOA)
	90	Toluene
91	Auramine	
92	Sulfur compounds	
93	Aromatic nitro compounds	
94	Hydrocarbons	
95	Indium phosphide	
96	4-Vinyl-1-cyclohexene diepoxide	
97	Isocyanate	
98	1,2-Epoxybutane	
99	Organic acids	
100	Pyridines	
101	Trisiloxane, octamethyl-; MDM	
102	Phenol, isooctyl	
103	6,6'Di-tert-butyl-2,2'-methylenedi-p-cresol	
104	N-[4-(acetylamino)phenyl]-4-[[5-(aminocarbonyl)-2-chlorophenyl]azo]-3-hydroxynaphthalene-2-carboxamide	
105	o-Anisidine hydrochloride	
106	Dodecachlorodimethano-dibenzocyclooctane	

Rank	No	Substance (Group) name
Substances to be reduced	107	Phenazopyridine hydrochloride
	108	Phthalates (except for No.21)
	109	Indium phosphide
	110	Sodium Alkylbenzene Sulfonate (Sodium dodecylbenzenesulfonate)
	111	Tetrasodium [μ -[[3,3'-[(3,3'-dihydroxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonato]](8-)]dicuprate(4-)
	112	1,1,5,5,5-hexamethyl-3,3-bis[(trimethylsilyl)oxy]trisiloxane
	113	Disodium 1-(2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulphonate
	114	Calcium bis[4-[[3-[[2-hydroxy-3-[[4-methoxyphenyl]amino]carbonyl]-1-naphthyl]azo]-4-methylbenzoyl]amino]benzenesulphonate]
	115	3',6'-Bis(N,N-Diethylamino)-3H-spiro[isobenzofuran-1,9'-xanthen]-3-one
	116	Lithium carbonate
	117	#REF!
	118	2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole
	119	Hexane, 2,5-dimethyl-2,5-bis(t-butylperoxy)
	120	(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride
	121	1-Amino-2-methylantraquinone
	122	2-Amino-4-nitro anisidine
	123	alkylphenols
124	Zinc chromate	
125	Perfluorinated Carboxylic Acids (PFCAs)	
126	Silica, crystalline	

Note: Major example substances other than those in the "List of JAMP substances to be managed" are shown in Table-3 List of example substances.

Substances that are not in this list but that are subject to treaties, laws, ordinances or industry guidelines must be reported.

Table-3 (ES0101 Table-4) List of example substances

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
1	Cadmium /Cadmium compounds	Cadmium alloys	Unspecified
2	Hexavalent Chromium	Zinc chromate	12018-19-8
		Copper chromite	12053-18-8
		Strontium chromate	7789-06-02
		Ammonium dichromate	7789-09-05
		Potassium dichromate	7788-50-9
3	Lead /Lead compounds	Lead (II) phosphate	7446-27-2
		Lead alkyls	Unspecified
		Lead/Tin alloy	Unspecified
		Dilead trioxide	Unspecified
4	Mercury /Mercury	Dialkylmercury	Unspecified
		Ethylmercury salts	Unspecified
		Phenylmercury salts	Unspecified
		Propylmercury salts	Unspecified
		Methylmercury salts	Unspecified
		Methoxyethyl-mercury salts	Unspecified
		Mercury alloys;amalgam	Unspecified
5	Polybrominated diphenylethers (PBBs)	Tribromobiphenyl	51202-79-0
		Other polybrominated biphenyl	Unspecified
6	Polybrominated Diphenylethers (PBDEs)	Other Polybrominated Biphenyl/Polybrominated Diphenylethers (PBDEs)	Unspecified
8	Short Chain Chlorinated Paraffins	Chlorinated Paraffines(C23,60%chlorine)	108171-27-3
		Chlorinated Paraffines	8029-39-8
		Alkanes, C10-32, chloro Paraffin	84776-06-7
		Alkanes, C10-26, chloro Paraffin	97659-46-6
		Other Short Chain Chlorinated Paraffin	Unspecified
9	Form aldehyde	Formaldehyde, polymer with bromophenol and (chloromethyl)oxirane	68541-56-0
		Formaldehyde, reaction products with butylphenol with butylphenol	91673-30-2
		Other formaldehydes and its compounds	Unspecified
10	Pentachlorophenol (PCP) and its salts and esters	Other chloro phenols	Unspecified
14	Perfluorooctane sulfonate and its salts (PFOS)	Other PFOS derivative	Unspecified
15	Cobalt chlorides	Cobalt chloride	34240-80-7
17	Arsenic /Arsenic compounds	Other Arsenic acid and its salts	Unspecified
		Arsenic (inorganic arsenic compounds)	Unspecified
19	Chlorinated hydrocarbons	Polychlorinated Phenols and their salts	Unspecified
20	Polycyclic aromatic hydrocarbons (PAHs)	Polycyclic aromatic hydrocarbons (PAH)	130498-29-2
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Pentacene	135-48-8
		Ovalene	190-26-1
		Coronene	191-07-1
		Benzo[g,h,i]perylene	191-24-2
		Indeno[c,d]pyrene	193-39-5
		Fluoranthene	206-44-0
		Acenaphthylene	208-96-8
		Triphenylene	217-59-4
		Corannulene	5821-51-2
		Acenaphthene	83-32-9
		Fluorene	86-73-7
Naphthacene	92-24-0		
21	Phthalates	Dimethyl phthalate (DMP)	131-11-3
		Diethyl phthalate (DEP)	84-66-2
		1,2-benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13 rich	68515-47-9
		Other phthalate and its compound	Unspecified

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
23	Fluorinated greenhouse gases (PFC, SF6, HFC)	PFC-61-16 Hexa deca fluoro heptane	335-57-9
		PFC-71-18 Octa deca fluoro octane	307-34-6
		Tetra fluoro ethylene	116-14-3
		Per fluoro iso butylene	382-21-8
		Other PFCs	Unspecified
		HFC-356 1,1,1,4,4,4-Hexa fluoro propane	407-59-0
		Other HFCs	Unspecified
		HFC-125/143a/134a=44/52/4	Unspecified
		HFC-32/125/134a=20/40/40	Unspecified
		HFC-32/125/134a=23/25/52	Unspecified
		HFC-32/125=50/50	Unspecified
		HFC-32/125=45/55	Unspecified
		HFC-32/143a=50/50	Unspecified
		HFC-23/FC-116=39/61	Unspecified
		HFC-23/FC-116=46/54	Unspecified
		Other Greenhouse Gases	Unspecified
26	Asbestos	Other asbestos and its compounds	Unspecified
28	Tri-substituted organostannic compounds, Tributyl Tin (TBT) and Triphenyl Tin (TPT)	Tetrabutyltin	1461-25-2
		Methyl Methacrylate and tributyl tin methacrylate	Unspecified
		Other Tributyl Tin&Triphenyl Tin	Unspecified
		Other Tributyl Tin(TBT) and Triphenyl Tin(TPT)	Unspecified
		Mixture of tributyltin-1,2,3,4,4,a,5,6,10,10a-decahydro-7-isopro isopropyl-1,4a-dimethyl-1-phenanthren carboxylate and its analogs	Unspecified
Mixture of tributyltin cyclopentane carboxylate and its analogs	Unspecified		
29	Polychlorinated Biphenyls (PCBs) and Polychlorinated Terphenyl (PCTs)	Terphenyls	26140-60-3
		Other Polychlorinated biphenyls (PCBs), Polychlorinated Terphenyls (PCTs) and its compounds	Unspecified
30	Polychlorinated	Other polychlorinated Naphtalenes	Unspecified
33	Chlordanes	Oxychlordane C10H4Cl8O	27304-13-8
		Trans-nonachlor C10H5Cl9	39765-80-5
		Cis-nonachlor C10H5Cl9	5103-73-1
		Other Chlordane	Unspecified
36	Organic chlorine chemicals	Simazine	122-34-9
		Benthiocarb	28249-77-6
		Bis(2 - chloro ethyl) sulfide	505-60-2
		o,p' - DDT	789-02-6
37	Dioxins	Polychlorinated dibenzo paradioxins	Unspecified
		Coplanar polychlorinated biphenyls	Unspecified
38	Ozone Depleting	CFCs(Annex A Group I substances in the Montreal Protocol)	Unspecified
		CFCs(Annex B Group I substances in the Montreal Protocol)	Unspecified
		Halons(Annex A Group II substances in the Montreal	Unspecified
		Bromochlorodifluoromethane (Halon-1211) and its isomers	11104-73-7
		Bromotrifluoromethane (Halon-1301) and its isomers	62395-25-9
		Dibromotetrafluoroethane (Halon-2402) and its isomers	76199-55-8
		HBFCs(Annex C Group II substances in the Montreal	Unspecified
		HCFCs(Annex C Group I substances in the Montreal	Unspecified
		Bromochloromethane(Annex C Group III substance in the Montreal Protocol)	Unspecified
		Chlorotrifluoromethane (CFC-13) and its isomers	185009-43-2
		Trichlorotrifluoroethane (CFC-113) and its isomers	39349-94-5
		Trichlorotrifluoroethane (CFC-113) and its isomers	56996-61-3
		Trichlorotrifluoroethane (CFC-113) and its isomers	57762-34-2
		C2HF3Br2	66542-88-9
		CFC-112	28605-74-5
		Monochloroheptafluoropropane (CFC 217) and its isomers	76-18-6
		1,1-dichloro-2,2,3,3-tetrafluoropropane	4071-01-6
		2,2-dichloro-1,1,1-trifluoropropane	7126-01-4
1,1,2-trichloro-1,2-difluoropropane	7126-04-7		

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
38	Ozone Depleting	1,2,2-trichloro-1,1-difluoropropane	7126-05-8
		1,1,2,2-tetrachloro-1-fluoropropane	7126-06-9
		1,1-dichloro-2,2-difluoropropane	1112-01-2
		1,1,1-trichloro-2,2-difluoropropane	1112-05-6
		1,2,3-trichloro-1,2-difluoropropane	1112-13-6
		1,2,3,3-tetrachloro-1,1-difluoropropane	1112-14-7
		1,3-dichloro-2,2-difluoropropane	1112-36-3
		1,3-dichloro-1,2-difluoropropane	111483-26-2
		(R,R)2,3-dichloro-1,1,1,2,3-pentafluoropropane	111512-51-7
		(R,S)2,3-dichloro-1,1,1,2,3-pentafluoropropane	111512-55-1
		2-chloro-1,1,1,3-tetrafluoropropane (HCFC-244db)	117970-90-8
		1,1-dichloro-1,3-difluoropropane	121612-64-4
		3-chloro-1,1,2-trifluoropropane	121612-65-5
		1,1,2-trichloro-2,3,3-trifluoropropane	13058-99-6
		1,1,1-trichloro-2,2,3-trifluoropropane	131211-71-7
		1,1,3-trichloro-2,2,3-trifluoropropane	131221-36-8
		1,1-dichloro-3,3-difluoropropane	131404-17-6
		1,2,2-trichloro-1,1-difluoroethane	134237-33-5
		1-chloro-1,1,2-trifluoropropane	134251-05-1
		2-chloro-1,1,1,3,3-pentafluoropropane (HCFC-235da)	134251-06-2
		2,2-dichloro-1,1,3,3-tetrafluoropropane	17705-30-5
		2-chloro-1,1,3,3-tetrafluoropropane (HCFC-244da)	19041-02-2
		2-chloro-1-fluoropropane	20372-78-5
		1,1,2,3-tetrachloro-3-fluoropropane	21981-25-9
		1,1,1,3-tetrachloro-3-fluoropropane	23153-22-2
		1-chloro-1,1,3,3-tetrafluoropropane (HCFC-244fb)	2730-64-5
		1-chloro-1,2,2,3,3-pentafluoropropane (HCFC-235ca)	28103-66-4
		1,1-dichlorodifluoroethane	31153-51-2
		1,1,2-trichloro-2-fluoropropane	3175-24-4
		1,1,1,2-tetrachloro-2-fluoropropane	3175-25-5
		1,1,2,3-tetrachloro-2-fluoropropane	3175-26-6
		1,1,3-trichloro-1,3,3-trifluoropropane	333-26-6
		(R,R) (+,-) 1,2-dichloro-1,2-difluoroethane	33489-30-4
		(meso) 1,2-dichloro-1,2-difluoroethane	33579-37-2
		1-chloro-1,1,2,3,3,3-hexafluoropropane (HCFC-226ea)	359-58-0
		1-chloro-2,3-difluoropropane	37161-81-2
		2-chloro-1,1,1-trifluoropropane	421-47-6
		2-chloro-1,1,1,2-tetrafluoropropane (HCFC-244ba)	421-73-8
		1,1,2,3,3-pentachloro-1,3-difluoropropane	421-82-3
		1,2,3-trichloro-1,1,2-trifluoropropane	421-95-4
		1,1,3-trichloro-1,2,2-trifluoropropane	421-99-8
		1,3-dichloro-1,1,2,2-tetrafluoropropane (HCFC-234cc)	422-00-5
		2-chloro-1,1,1,2,3-pentafluoropropane	422-02-6
		1,1,1,2,2-pentachloro-3,3-difluoropropane	422-27-5
		1,1,2,2,3,3-hexachloro-1-fluoropropane	422-28-6
		1,1,2,2-tetrachloro-1,3,3-trifluoropropane	422-29-7
		1,2,2-trichloro-1,1,3,3-tetrafluoropropane	422-32-2
		2,2,3,3-tetrachloro-1,1,1-trifluoropropane	422-35-5
		1,1,1,2,3,3-hexachloro-2-fluoropropane	422-40-2
		1,2,3,3-tetrachloro-1,1,2-trifluoropropane	422-41-3
1,2,3-trichloro-1,1,2,3-tetrafluoropropane	422-42-4		
2,3,3-trichloro-1,1,1,2-tetrafluoropropane	422-47-9		
1-chloro-1,1,2,2,3,3-hexafluoropropane	422-55-9		
3-chloro-1,1,1,2,2,3-hexafluoropropane	422-57-1		
1-chloro-2-fluoropropane	430-46-6		
2-chloro-1,1-difluoropropane	430-93-3		
1-chloro-1,2-difluoropropane	430-96-6		
1,2,3-trichloro-1,1-difluoropropane	431-24-3		
2,3,3-trichloro-1,1,1-trifluoropropane	431-51-6		
1,1,1,2,3,3-hexachloro-3-fluoropropane	431-79-8		

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
38	Ozone Depleting	1,1,1,2,3-pentachloro-3,3-difluoropropane	431-80-1
		1,1,1,2-tetrachloro-3,3,3-trifluoropropane	431-81-2
		1,1,2,3-tetrachloro-1,3,3-trifluoropropane	431-83-4
		1,1,2-trichloro-1,3,3,3-tetrafluoropropane	431-84-5
		1,2-dichloro-2-fluoropropane	453-01-0
		1-chloro-3-fluoropropane	462-38-4
		1,1,1-trichloro-2,3,3,3-tetrafluoropropane	53063-52-8
		1,1,3-trichloro-1,2,3,3-tetrafluoropropane	53063-53-9
		3,3-dichloro-1,1,1,2-tetrafluoropropane	53063-54-0
		1,1-dichloro-3-fluoropropane	53074-30-9
		1,1-dichloro-2-fluoropropane	53074-31-0
		(R,R) 1,3-dichloro-1,1,2,3-tetrafluoropropane	53149-65-8
		2-chloro-1,1,1,2,3,3-hexafluoropropane (HCFC-226ba)	51346-64-6
		1,1,1,3-tetrachloro-2,3,3-trifluoropropane	54002-59-4
		1,1,1-trichloro-2,3,3-trifluoropropane	54306-56-8
		1,1,3-trichloro-1,2,3-trifluoropropane	54377-32-1
		Dichloro-1,1-difluoroethane	55494-45-6
		Trichloro-1,1-difluoroethane	55949-46-7
		1-chloro-2,2,3-trifluoropropane	56758-54-4
		1,2,2-trichloro-1,1-difluoroethane	62549-18-2
		1,1-dichloro-1,3,3,3-tetrafluoropropane	64712-27-2
		1-chloro-1,2,2,3-tetrafluoropropane	67406-66-0
		1,3-dichloro-1,2,2-trifluoropropane	67406-68-2
		1,1,3,3-tetrachloro-2,2-difluoropropane	677-54-3
		1-chloro-1,1,3,3,3-pentafluoropropane (HCFC-235fa)	677-55-4
		(R,R)1,2,3-trichloro-1-fluoropropane	67832-44-4
		(R,S) 1,2,3-trichloro-1-fluoropropane	67832-50-2
		1,2,3,3,-tetrachloro-1,1-difluoropropane	67879-59-8
		1-chloro-1,1,2,2,3-pentafluoropropane (HCFC-235cc)	679-99-2
		2-chloro-1,1,2-trifluoropropane	69202-10-4
		1,1-dichloro-1,2,2,3-tetrafluoropropane	70192-63-1
		1,1-dichloro-2,2,3-trifluoropropane	70192-70-0
		1,2-dichloro-2,3-difluoropropane	70192-74-4
		1-chloro-1,2,2-trifluoropropane	70192-76-6
		1,2,2-trichloro-3-fluoropropane	70192-89-1
		1,3-dichloro-1,2,2,3-tetrafluoropropane	70341-81-0
		1,1,1-trichloro-3,3,3-trifluoropropane	7125-84-0
		1,2-dichloro-1,1,2-trifluoropropane	7126-00-3
		1,2-dichloro-1,1-difluoropropane	7126-15-0
		1,2,3-trichloro-2-fluoropropane	7126-16-1
		1,2,3-trichloro-1,2-difluoropropane	7164-14-9
		1,3-dichloro-1,1,3,3-tetrafluoropropane (HCFC-234fa)	76140-39-1
		1,1,3-trichloro-2-fluoropropane	76937-36-5
		[R(R,R)] 1,2,3-trichloro-1-fluoropropane	76985-33-6
		[R(R,S)] 1,2,3-trichloro-1-fluoropropane	76985-34-7
		1,2-dichloro-1-fluoropropane	7799-55-5
		1,3-dichloro-2-fluoropropane	816-38-6
		2,3-dichloro-1,1-difluoropropane	82578-00-5
		1-chloro-1,1,3-trifluoropropane	83124-56-5
		3-chloro-1,1-difluoropropane	83124-57-6
		1,3-dichloro-1-fluoropropane	83124-60-1
		1,1,1,2-tetrachloro-3-fluoropropane	84816-05-7
		(R,R) (+,-) 1,2,3-trichloro-1-fluoropropane	84847-79-0
(R,S) (+,-) 1,2,3-trichloro-1-fluoropropane	84847-80-3		
1,1,2-trichloro - 1 (or 2)-fluoroethane	90134-98-8		
Tribromodifluoroethane	Unspecified		
Tribromofluoroethane	Unspecified		
Dibromodifluoroethane	75-62-1		
Hexabromofluoropropane	Unspecified		
Pentabromodifluoropropane	Unspecified		

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
38	Ozone Depleting	Tetrabromotrifluoropropane	Unspecified
		Tribromotetrafluoropropane	Unspecified
		Bromohexafluoropropane	2252-79-1
		Pentabromofluoropropane	Unspecified
		Tetrabromodifluoropropane	Unspecified
		Tribromotrifluoropropane	Unspecified
		Dibromotetrafluoropropane	Unspecified
		Bromopentafluoropropane	480-88-8
		Tetrabromofluoropropane	Unspecified
		Dibromotrifluoropropane	70192-83-5
		Bromodifluoropropane	Unspecified
		C3HF6Br	Unspecified
		Chlorofluorocarbons (CFCs)	Unspecified
		Hydrochlorofluorocarbons (HCFC)	Unspecified
		Dibromotetrafluoropropane C3H2F4Br2	Unspecified
		Tetrabromodifluoropropane C3H2F2Br4	Unspecified
		Tetrabromotrifluoropropane C3HF3Br4	Unspecified
		Tetrabromofluoropropane C3H3FBr4	Unspecified
		Tribromodifluoroethane C2HF2Br3	Unspecified
		Tribromotetrafluoropropane C3HF4Br3	Unspecified
		Tribromotrifluoropropane C3H2F3Br3	Unspecified
		Tribromofluoroethane C2H2FBr3	Unspecified
		Halon	Unspecified
		Bromodifluoropropane C3H5F2Br	Unspecified
		Hexabromofluoropropane C3HFBr6	Unspecified
		Pentabromodifluoropropane C3HF2Br5	Unspecified
		Pentabromofluoropropane C3H2FBr5	Unspecified
		Dibromodifluoroethane	Unspecified
		Dibromodifluoropropane	Unspecified
		Dibromotrifluoroethane	Unspecified
		Dibromotrifluoropropane	Unspecified
		Dibromofluoroethane	Unspecified
		Dibromofluoropropane	Unspecified
		Dibromofluoromethane	Unspecified
		Dibromopentafluoropropane	Unspecified
		Tetrabromofluoroethane	Unspecified
		Tribromodifluoropropane	Unspecified
		Tribromofluoropropane	Unspecified
		Bromodifluoroethane	Unspecified
		Bromodifluoromethane	Unspecified
		Bromotetrafluoroethane	Unspecified
		Bromotetrafluoropropane	Unspecified
		Bromotrifluoroethane	Unspecified
		Bromotrifluoropropane	Unspecified
		Bromofluoroethane	Unspecified
		Bromofluoropropane	Unspecified
		Bromofluoromethane	Unspecified
		Bromohexafluoropropane	Unspecified
		Bromopentafluoropropane	Unspecified
		2,2-dichloro-1,1,2-trifluoroethane (HCFC-123b)	Unspecified
		1,1,1,3,3,3-hexachloro-2-fluoropropane	Unspecified
		1,1,1,3,3-pentachloro-2,3-difluoropropane	Unspecified
		(1,1,3,3,3-pentachloro-1,2-difluoropropane)	Unspecified
1,1,2,2,3-pentachloro-1,3-difluoropropane	Unspecified		
1,1,2,3,3-pentachloro-1,2-difluoropropane	Unspecified		
1,1,1,2-tetrachloro-2,3,3-trifluoropropane	Unspecified		
1,1,3,3-tetrachloro-1,2,3-trifluoropropane	Unspecified		
1,2,2,3-tetrachloro-1,1,3-trifluoropropane	Unspecified		
1,1,2,3-tetrachloro-1,2,3-trifluoropropane	Unspecified		
1,1,2-trichloro-1,2,3,3-tetrafluoropropane	Unspecified		

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
38	Ozone Depleting	1,1,2,3,3-pentachloro-2-fluoropropane	Unspecified
		1,1,1,3,3-pentachloro-3-fluoropropane	Unspecified
		1,1,2,2,3-pentachloro-1-fluoropropane	Unspecified
		1,1,1,2,2-pentachloro-3-fluoropropane	Unspecified
		1,1,1,2,3-pentachloro-3-fluoropropane	Unspecified
		1,1,1,3,3-pentachloro-2-fluoropropane	Unspecified
		1,1,2,2,3-pentachloro-3-fluoropropane	Unspecified
		1,1,2,3,3-pentachloro-1-fluoropropane	Unspecified
		1,1,1,3-tetrachloro-2,3-difluoropropane	Unspecified
		1,1,1,2-tetrachloro-2,3-difluoropropane	Unspecified
		1,1,1,2-tetrachloro-3,3-difluoropropane	Unspecified
		1,1,2,3-tetrachloro-1,2-difluoropropane	Unspecified
		1,1,2,3-tetrachloro-1,3-difluoropropane	Unspecified
		1,2,3,3-tetrachloro-1,2-difluoropropane	Unspecified
		1,2,2,3-tetrachloro-1,1-difluoropropane	Unspecified
		1,2,2,3-tetrachloro-1,3-difluoropropane	Unspecified
		1,1,3,3-tetrachloro-1,3-difluoropropane	Unspecified
		1,1,2,2-tetrachloro-3,3-difluoropropane	Unspecified
		1,1,2,2-tetrachloro-1,3-difluoropropane	Unspecified
		1,1,2-trichloro-1,2,3-trifluoropropane	Unspecified
		1,2,3-trichloro-1,2,3-trifluoropropane	Unspecified
		1,1,2-trichloro-1,3,3-trifluoropropane	Unspecified
		1,3,3-trichloro-1,1,2-trifluoropropane	Unspecified
		2,2,3-trichloro-1,1,3-trifluoropropane	Unspecified
		1,2,3-trichloro-1,1,3-trifluoropropane	Unspecified
		1,2,2-trichloro-1,1,3-trifluoropropane	Unspecified
		1,1-dichloro-1,2,3,3-tetrafluoropropane	Unspecified
		1,2-dichloro-1,1,3,3-tetrafluoropropane	Unspecified
		2,3-dichloro-1,1,1,2-tetrafluoropropane	Unspecified
		2,2-dichloro-1,1,1,3-tetrafluoropropane	Unspecified
		1,2-dichloro-1,1,2,3-tetrafluoropropane	Unspecified
		1-chloro-1,1,2,3,3-pentafluoropropane	Unspecified
		2-chloro-1,1,2,3,3-pentafluoropropane	Unspecified
		1,1,1,3-tetrachloro-2-fluoropropane	Unspecified
		1,1,2,2-tetrachloro-3-fluoropropane	Unspecified
		1,2,2,3-tetrachloro-1-fluoropropane	Unspecified
		1,1,3,3-tetrachloro-1-fluoropropane	Unspecified
		1,1,3,3-tetrachloro-2-fluoropropane	Unspecified
		1,1,2-trichloro-1,2-difluoropropane	Unspecified
		1,1,1-trichloro-2,3-difluoropropane	Unspecified
		1,1,2-trichloro-1,3-difluoropropane	Unspecified
		1,1,3-trichloro-1,2-difluoropropane	Unspecified
		1,1,2-trichloro-2,3-difluoropropane	Unspecified
		1,2,2-trichloro-1,3-difluoropropane	Unspecified
		2,2,3-trichloro-1,1-difluoropropane	Unspecified
		1,1,1-trichloro-3,3-difluoropropane	Unspecified
		1,1,3-trichloro-1,3-difluoropropane	Unspecified
		1,1,2-trichloro-3,3-difluoropropane	Unspecified
		1,1,3-trichloro-2,3-difluoropropane	Unspecified
		1,2,3-trichloro-1,3-difluoropropane	Unspecified
		1,3-dichloro-1,1,2-trifluoropropane	Unspecified
		1,2-dichloro-1,1,3-trifluoropropane	Unspecified
		1,1-dichloro-1,2,3-trifluoropropane	Unspecified
		2,3-dichloro-1,1,2-trifluoropropane	Unspecified
		2,2-dichloro-1,1,3-trifluoropropane	Unspecified
		1,2-dichloro-1,2,3-trifluoropropane	Unspecified
		1,3-dichloro-1,1,3-trifluoropropane	Unspecified
		1,1-dichloro-1,3,3-trifluoropropane	Unspecified
		3,3-dichloro-1,1,2-trifluoropropane	Unspecified
		2,3-dichloro-1,1,3-trifluoropropane	Unspecified

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
38	Ozone Depleting	1,3-dichloro-1,2,3-trifluoropropane	Unspecified
		1-chloro-1,1,2,3-tetrafluoropropane	Unspecified
		3-chloro-1,1,1,2-tetrafluoropropane	Unspecified
		2-chloro-1,1,2,3-tetrafluoropropane	Unspecified
		3-chloro-1,1,1,3-tetrafluoropropane	Unspecified
		3-chloro-1,1,2,3-tetrafluoropropane	Unspecified
		1,1,1-trichloro-2-fluoropropane	Unspecified
		1,1,1-trichloro-3-fluoropropane	Unspecified
		1,1,2-trichloro-3-fluoropropane	Unspecified
		1,1,3-trichloro-3-fluoropropane	Unspecified
		1,2,2-trichloro-1-fluoropropane	Unspecified
		1,2,3-trichloro-1-fluoropropane	Unspecified
		Dichlorodifluoropropane (HCFC 252)	Unspecified
		1,1-dichloro-1,2-difluoropropane	Unspecified
		1,1-dichloro-2,3-difluoropropane	Unspecified
		1,2-dichloro-1,2-difluoropropane	Unspecified
		1,3-dichloro-1,3-difluoropropane	Unspecified
		2,2-dichloro-1,1-difluoropropane	Unspecified
		2,2-dichloro-1,3-difluoropropane	Unspecified
		2-chloro-1,1,3-trifluoropropane	Unspecified
		3-chloro-1,1,3-trifluoropropane	Unspecified
		(1-chloro-1,3,3-trifluoropropane)	Unspecified
		1-chloro-1,2,3-trifluoropropane	Unspecified
		2-chloro-1,2,3-trifluoropropane	Unspecified
		2,2-dichloro-1-fluoropropane	Unspecified
		2-chloro-1,2-difluoropropane	Unspecified
		1-chloro-1,3-difluoropropane	Unspecified
		CH ₂ FBr	Unspecified
		C ₂ HFBr ₄	Unspecified
		C ₂ HF ₄ Br	Unspecified
		C ₂ H ₂ FBr ₃	Unspecified
		C ₃ HF ₅ Br ₂	Unspecified
		C ₃ H ₂ F ₃ Br ₃	Unspecified
		C ₃ H ₂ F ₅ Br	Unspecified
		C ₃ H ₃ F ₂ Br ₃	Unspecified
		C ₃ H ₃ F ₃ Br ₂	Unspecified
		C ₃ H ₃ F ₄ Br	Unspecified
		C ₃ H ₄ FBr ₃	Unspecified
		C ₃ H ₄ F ₂ Br ₂	Unspecified
		C ₃ H ₄ F ₃ Br	Unspecified
		C ₃ H ₅ FBr ₂	Unspecified
		C ₃ H ₆ FBr	Unspecified
		Other Ozone depleting substances and its compounds	Unspecified
49	Radioactive Substances	Americium	7440-35-9
		Strontium	7440-29-6
		Uranium	7440-61-6
51	Polyvinyl chloride (PVC)	Acetic acid ethenyl ester, polymer with chloroethene	9003-22-9
		Polyvinyl chloride (PVC)	93050-82-9
		Other PVC compounds	Unspecified
52	Tetrabromobisphenol A (TBBP-A)	Tetrabromobisphenol-apolycarbonate	156042-31-8
		Tetrabromobisphenol A, 2,2-bis(4-(2,3-epoxypropyloxy)dibromophenyl)propane polymer	68928-70-1
53	Chlorine	Chlorine	7782-50-5
54	Bromine	Bromine	7726-95-6
55	Antimony /Antimony	Other antimony compounds	Unspecified
56	Bismuth /Bismuth	Other bismuth compounds	Unspecified
57	Metallic chromium /Chromium(III) compounds	Chromium	7440-47-3
		Chromium oxide	1308-38-9
		Basic chromic sulfate	64093-79-4
		Chromium nitrate, Nona hydrate Cr(NO ₃) ₃ ·9H ₂ O	7789-02-8

Ref.No	Substance (Group) name	Chemical substance name	CAS No.		
57	Metallic chromium /Chromium(III) compounds	Ammonium chromium(III) sulfate dodecahydrate Cr(NH ₄)(SO ₄) ₂ ·2H ₂ O	10022-47-6		
		Chromic chloride CrCl ₃	10025-73-7		
		Chromium(III) bromide CrBr ₃	10031-25-1		
		Chromium Trichloride Hexahydrate CrCl ₃ ·6H ₂ O	10060-12-5		
		Chromic Sulfate Cr ₂ (SO ₄) ₃	10101-53-8		
		Chromium Potassium Sulfate CrK(SO ₄) ₂	10141-00-1		
		Chromic Acetate Cr(CH ₃ COO) ₃	1066-30-4		
		Chromium(III) sulfide Cr ₂ S ₃	12018-22-3		
		Chromium(III) phosphate hexahydrate CrPO ₄ ·6H ₂ O	13475-98-4		
		Chromium(III) bromide hexahydrate CrBr ₃ ·6H ₂ O	13478-06-3		
		Chromic perchlorate Cr(ClO ₄) ₃	13537-21-8		
		Chromium nitrate Cr(NO ₃) ₃	13548-38-4		
		Ammonium chromic sulfate Cr(NH ₄)(SO ₄) ₂	13548-43-1		
		Chromium(III) iodide CrI ₃	13569-75-0		
		Chromate(1-),Diamine tetrakis(Thiocyanate-N)-,Ammonium,(OC-6-11) trans-NH ₄ [Cr(NCS) ₄ (NH ₃) ₂]	13573-16-5		
		Reinecke salt monohydrate;Ammonium Tetra thiocyanate diammine chromate trans-NH ₄ [Cr(NCS) ₄ (NH ₃) ₂]·H ₂ O	13573-17-6		
		Potassium hexacyano chromate(III) K ₃ [Cr(CN) ₆]	13601-11-1		
		Chromium(III) sulfate N-hydrate Cr ₂ (SO ₄) ₃ ·18H ₂ O	15244-38-9		
		Tris(ethylene diamine)chromium(III)Chloride hydrate [Cr(C ₂ H ₈ N ₂) ₃]Cl ₃ ·3H ₂ O	16165-32-5		
		Chromium(III) acetyl acetonate Cr(C ₅ H ₇ O ₂) ₃	21679-31-2		
		Chromium(III) nitride CrN	24094-93-7		
		Chromium(III) acetate monohydrate Cr(CH ₃ COO) ₃ ·H ₂ O	25013-82-5		
		Chromium phosphide CrP	26342-61-0		
		Chromium(III) oxalate Cr ₂ (C ₂ O ₄) ₃	30737-19-0		
		Chromium(III) perchlorate hexahydrate Cr(ClO ₄) ₃ ·6H ₂ O	55147-94-9		
		Chromium(III) fluoride CrF ₃	7788-97-8		
		Chromium potassium sulfate dodeca hydrate CrK(SO ₄) ₂ ·12H ₂ O	7788-99-0		
		Chromium(III) phosphate CrPO ₄	7789-04-0		
		Chrome sulfate	64093-79-9		
		Other trivalent chromium compounds	Unspecified		
		58	Copper /Copper compounds	Other copper compounds	Unspecified
		59	Indium /Indium compounds	Indium	7440-74-6
				Other Indium compounds	Unspecified
60	Manganese /Manganese compounds	Manganese	7439-96-5		
		Manganese(II) chloride;Manganesedichloride MnCl ₂	7773-01-5		
		Manganese(II) bromide tetrahydrate Mn Br ₂ ·4H ₂ O	10031-20-6		
		Manganese hypophosphite Mn(PH ₂ O ₂) ₂	10043-84-2		
		Manganese(II) sulfate heptahydrate Mn(C ₂ O ₄) ₂ ·2H ₂ O	10034-96-5		
		Sodium permanganate NaMnO ₄	10101-50-5		
		Manganese(III) phosphate hydrate MnPO ₄ ·H ₂ O	10124-54-6		
		Dimanganese decacarbonyl Mn ₂ (CO) ₁₀	10170-69-1		
		Manganese(II) nitrate Mn(NO ₃) ₂	10377-66-9		
		Manganese phosphide MnP	12032-78-9		
		Manganese silicide MnSi	12032-86-9		
		Manganese telluride MnTe	12032-88-1		
		Maneb C ₄ H ₆ MnN ₂ S ₄	12427-38-2		
		Manganese carbide Mn ₃ C	12777-96-7		
		Manganese(IV) oxide MnO ₂	1313-13-9		
		Manganese(III) oxide, 98%(assay); manganese trioxide Mn ₂ O ₃	1317-34-6		
		Manganomanganic oxide; manganese tetra oxide;trimanganese tetraoxide; manganese(II,III)	1317-35-7		
		Manganese(II) sulfate MnSO ₄	13224-08-3		
		Manganese(II) oxide MnO	1344-43-0		
		Manganese(II) bromide MnBr ₂	13446-03-2		
		Manganese(II) chloride tetrahydrate MnCl ₂ ·4H ₂ O	13446-34-9		
		Ammonium manganese sulfate Mn(NH ₄) ₂ (SO ₄)	13566-22-8		

Ref.No	Substance (Group) name	Chemical substance name	CAS No.	
60	Manganese /Manganese compounds	Manganese(II) sulfite $MnSO_3$	13568-71-3	
		Manganese(II) phosphate $Mn_3(PO_4)_2$	14154-9-7	
		Acetylacetonemanganese(III) salt;Tris(2,4-pentanedionate)manganese; $Mn(C_5H_7O_2)_3$	14284-89-0	
		Manganese(II) perchlorate $Mn(ClO_4)_2$	15364-94-0	
		Manganese(II) nitrate hexahydrate $Mn(NO_3)_2 \cdot 6H_2O$	17141-63-8	
		Manganese sulfide MnS	18820-29-6	
		Potassium deymanganate $KMnO_4$	7722-64-7	
		Manganese difluoride MnF_2	7782-64-1	
		Manganese phosphate, dibasic $MnHPO_4$	7782-76-5	
		Manganese(II) hypophosphite monohydrate $Mn(PH_2O_2) \cdot 2 \cdot H_2O$	7783-16-6	
		Manganese(II) carbonate $MnCO_3$	598-62-9	
		Manganese(II) acetate tetrahydrate $Mn(CH_3COO)_2 \cdot 4H_2O$	6156-78-1	
		Manganese(II) acetate $Mn(CH_3COO)_2$	638-38-0	
		Manganese oxalate $Mn(C_2O_4)$	640-67-5	
		Manganese(II) oxalate dihydrate $Mn(C_2O_4) \cdot 2H_2O$	6556-16-7	
		Manganese(III) fluoride MnF_3	7783-53-1	
		Manganese(II) iodide MnI_2	7790-33-2	
		Manganese(III) acetate $Mn(CH_3COO)_3$	993-2-2	
			Other manganese compounds	Unspecified
		61	Molybdenum /Molybdenum compounds	Molybdenum
Other molybdenum compounds	Unspecified			
62	Silver /Silver compounds	Potassium dicyanoargentate	506-61-6	
		Other Silver compounds	Unspecified	
63	Tellurium /Tellurium compounds	Tellurium	13494-80-9	
		Other Tellurium compounds	Unspecified	
64	Thallium /Thallium compounds	Other thallium compounds	Unspecified	
65	Vanadium /Vanadium compounds	Vanadium	7440-62-2	
		Other vanadium compounds	Unspecified	
66	Zinc /Zinc compounds	Propineb	12071-83-9	
		Zinc perchlorate hexahydrate $Zn(ClO_4)_2 \cdot 6H_2O$	10025-64-6	
		Zinc Iodide ZnI_2	10139-47-6	
		Zinc nitrate hexahydrate $Zn(NO_3)_2 \cdot 6H_2O$	10196-18-6	
		Zinc chlorate $Zn(ClO_3)_2$	10361-95-2	
		Zinc nitride Zn_3N_2	1313-49-1	
		Zinc phosphide Zn_3P_2	1314-84-7	
		Zinc telluride $ZnTe$	1315-11-3	
		Zinc perchlorate $Zn(ClO_4)_2$	13637-61-1	
		Ammonium zinc sulfate $(NH_4)_2Zn(SO_4)_2$	13814-87-4	
		Potassium zinc sulfate $K_2Zn(SO_4)_2$	13932-17-7	
		Zinc phosphate, monobasic $Zn(H_2PO_4)_2$	14485-28-0	
		Zinc ammonium chloride $(NH_4)_2[ZnCl_4]$	14639-97-5	
		Zinc hypophoshite $Zn(PH_2O_2)_2$	15060-64-7	
		Zinc fluorosilicate $Zn[SiF_6]$	16871-71-9	
		Dimethyl zinc $Zn(CH_3)_2$	544-97-8	
		Diethyl zinc $Zn(C_2H_5)_2$	557-20-0	
		Zinc cyanide $Zn(CN)_2$	557-21-1	
		Zinc acetate $Zn(CH_3COO)_2$	557-34-6	
		Zinc thiocyanate $Zn(SCN)_2$	557-42-6	
		Zinc fluoride tetrahydrate $ZnF_2 \cdot 4H_2O$	73640-07-0	
		Sulfuric acid, zinc salt(1:1), Heptahydrate $ZnSO_4 \cdot 7H_2O$	7446-20-0	
		Zinc acetate dihydrate $Zn(CH_3COO)_2 \cdot 2H_2O$	5970-45-6	
		Zinc chloride $ZnCl_2$	7646-85-7	
		Zinc bromide $ZnBr_2$	7699-45-8	
		Zinc sulfate $ZnSO_4$	7733-02-0	
		Zinc hydrosulfite ZnS_2O_4	7779-86-4	
		Zinc nitrate $Zn(NO_3)_2$	7779-88-6	
		Zinc fluoride ZnF_2	7783-49-5	
		Ammonium zinc sulfate hydrateE $(NH_4)_2Zn(SO_4)_2 \cdot 6H_2O$	77998-33-5	
			Other zinc compounds	Unspecified

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
67	Metallic carbonyls	Iron carbonyl	13463-40-6
		Other metallic carbonyls	Unspecified
68	Magnesium	Magnesium	7439-95-4
		Other Magnesiums	Unspecified
69	Palladium /Palladium compounds	Palladium	7440-05-3
		Other Palladium compounds	Unspecified
70	Gold /Gold compunds	Gold	7440-57-5
		Other gold compunds	Unspecified
71	Azo compounds (except Certain Azocolourants and Azodyes (No.7))	Di methyl amino azo benzene	60-11-7
		Other Azo and its compounds	Unspecified
72	Chlorinated paraffine (except short chain chlorinated paraffins (No.8))	Long chain chlorinated paraffins (C18-30)	Unspecified
73	Cyanogen /Cyanogen compounds	Sodium cyanide	143-33-9
		Hydrogen cyanide	74-90-8
		o-phthalodinitrile	91-15-6
		Ethylene cyanohydrin	109-78-4
		Cyanazine	21725-46-2
		Benzyl cyanide	140-29-4
		Phenyl cyanide	100-47-0
		2,6 - Di chloro benzo nitrile	1194-65-6
		Thallium(I) cyanide TICN	13453-34-4
		Copper cyanide Cu(CN) ₂	14763-77-0
		Potassium cyanide KCN	151-50-8
		Calcium cyanamide CCaN ₂	156-62-7
		Palladium(II) cyanide Pd(CN) ₂	2035-66-7
		Cesium cyanide CsCN	21159-32-0
		Cyanamide NCNH ₂	420-04-2
		Cyanogen (CN) ₂	460-19-5
		Silvber cyanide AgCN	506-64-9
		Gold(I) cyanide AuCN	506-65-0
		Cyanogen bromide CNBr	506-68-3
		Cyanogen chloride CNCl	506-77-4
		Cyanogen iodide CNI	506-78-5
		Gold(I)cyanide trihydrate Au(CN) ₃ ·3H ₂ O	535-37-5
		Cuprous cyanide CuCN	544-92-3
		Calcium cyanide Ca(CN) ₂	592-01-8
		Platinam(II) cyanide Pt(CN) ₂	592-06-3
		Trimethylsilyl cyanide Si(CN)(CH ₃) ₃	7677-24-9
		Sodium cyanide CNNaO	917-61-3
		Other inorganic cyanide	Unspecified
		Other organo cyanide	Unspecified
		Brominated flame retardant which comes under notation of ISO 1043 - 4 code number FR(14) [Aliphatic/alicyclic brominated compounds]	Unspecified
		Brominated flame retardant which comes under notation of ISO 1043 - 4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]	Unspecified
		Brominated flame retardant which comes under notation of ISO 1043 - 4 code number FR(16) [Aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls)]	Unspecified
		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]	Unspecified

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
74	Brominated Flame Retardants (except for PBBs, PBDEs and TBBP-A)	Brominated flame retardant which comes under notation of ISO 1043 - 4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]	Unspecified
		Brominated flame retardant which comes under notation of ISO 1043 - 4 code number FR(42) [Brominated organic phosphorus compounds]	Unspecified
		1,1,2,2, - Tetea bromo ethane	79-27-6
		Hexa bromo benzene	87-82-1
		Poly tetra fluoro ethylene	9002-84-0
		Bromodichloromethane	75-27-4
		Brominated polystyrene (Benzene, Ethenyl-, Homopolymer, Brominated)	88497-56-7
75	Halogenated fire retardants/halogenated resin additives	Bisphenol A diglycidyl ether resin	25068-38-6
		Bisphenol F/ Epichlorohydrin copolymer	58421-55-9
		Tribromomethane CHBr ₃	75-25-2
		Halogenated benzenes	Unspecified
		Halogenated diarylalcane	Unspecified
		Chlorinated fire retardants	Unspecified
		Other halogenated resin additives	Unspecified
76	Barium /Barium compounds	Barium carbonate	513-77-9
77	Boron /Boron compounds	Boron	7440-42-8
		Other Boron compounds	Unspecified
78	Inorganic phosphorus compounds	Phosphorus oxychloride	10025-87-3
		Phosphorus pentachloride	10026-13-8
		Phosphorus Pentasulfide	1314-80-3
		Phosphorus sesquisulfids	1314-85-8
		phosphoric acid	7664-38-2
		Phosphorus trichloride	7719-12-2
		Other inorganic phosphorus compounds	Unspecified
79	Organic phosphorus compounds	Other organic phosphorus compounds	Unspecified
80	Xylenes	Xylene	1330-20-7
		Other Xylenes	Unspecified
81	Aromatic hydrocarbons	Bis phenol A	80-05-7
82	Organic esters	Acetic acid ethenyl ester; vinyl acetate	108-05-4
		Di-n-propyl phthalate	131-16-8
		Ethyl acrylate; 2-Propenoic acid, ethyl ester; ethyl acrylate	140-88-5
		Dicyclohexan-1-yl phthalate	84-61-7
83	Chloro phenols	Other chloro phenols	Unspecified
84	N - nitrosamines	N - methyl - N - nitroso urea	684-93-5
		N - ethyl - N - nitroso urea	759-73-9
		N - nitroso methyl vinyl amine	4549-40-0
		Other N - nitrosamines	Unspecified
85	All flame retardants exclude halogenated substances	All flame retardants exclude halogenated substances	Unspecified
86	Red Phosphorus	Red Phosphorus	7723-14-0
87	Surfactants	Diocetyl dimethyl ammonium chloride/ Distearyl dimethyl ammonium chloride (DODMAC, DSDMAC)	107-64-2
		Dimethyl ditallow ammonium chloride (DTDMAC)	68783-78-8
90	Toluene	2-methyl-m-phenylene diisocyanate	91-08-7
91	Auramine	Auramine	2465-27-2
		Auramine	492-80-8
92	Sulfur compounds	Hydrogen Sulfide	7783-06-4
		Thiourea	62-56-6
		Disodium peroxydisulfate	7775-27-1
93	Aromatic nitro compounds	1-Chloro-4-nitrobenzene	100-00-5
		1,4-dinitrobenzene	100-25-4
		1,2-dinitrobenzene	528-29-0
		Nitroglycol	628-96-6
		Nitromethane	75-52-5

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
93	Aromatic nitro compounds	Benzene, m-dinitro-	99-65-0
94	Hydrocarbons	Ethylbenzene	100-41-4
		Hexane	110-54-3
		Dichloropropene	542-75-6
		3-Chloro-2-methylpropene	563-47-3
		Methyl iodide	74-88-4
95	Phosphoric acid tris	TRIS(3-CHLORO-1-PROPYL)PHOSPHATE	1067-98-7
		Tris (2-chloro-1-propyl) phosphate (Tris(2-chloropropyl))	6145-73-9
		Tris(2,4di-tert-butylphenyl)phosphite	31570-04-4
		Tris (2,3-dichloro-1-propyl) phosphate (Tris(2,3-dichloropropyl) phosphate)	78-43-3
		Tris (2,3-dichloro-1-propyl) phosphate (Tris(2,3-dichloropropyl) phosphate)	78-42-2
96	4-Vinyl-1-cyclohexene diepoxide	4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide; 7-oxa-3-oxiranylbicyclo[4.1.0]heptane; 1,2-epoxy-4-epoxyethylcyclohexane)	106-87-6
97	Isocyanate	Methyl-1,3-phenylene diisocyanate	26471-62-5
98	1,2-Epoxybutane	1,2-Epoxybutane	106-88-7
99	Organic acids	1,4,5,6,7,7-Hexachlorobicyclo [2,2,1]-5-heptene-2,3-dicarboxylic acid	115-28-6
100	Pyridines	Pyridine	110-86-1
101	Trisiloxane, octamethyl-; MDM	Trisiloxane, octamethyl	107-51-7
102	Phenol, isooctyl	Phenol, isooctyl-	11081-15-5
103	6,6'Di-tert-butyl-2,2'-methylenedi-p-cresol	6,6'Di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1
104	N-[4-(acetylamino)phenyl]-4-[[5-(aminocarbonyl)-2-chlorophenyl]azo]-3-hydroxynaphthalene-2-carboxamide	N-[4-(acetylamino)phenyl]-4-[[5-(aminocarbonyl)-2-chlorophenyl]azo]-3-hydroxynaphthalene-2-carboxamide	12236-64-5
105	o-Anisidine hydrochloride	o-Anisidine hydrochloride	134-29-2
106	Dodecachlorodimethano-dibenzocyclooctane	Dodecachlorodimethano-dibenzocyclooctane	13560-89-9
107	Phenazopyridine hydrochloride	Phenazopyridine hydrochloride	136-40-3
108	Phthalates (except for No.21)	Decyl octyl phthalate	119-07-3
		Diisohexyl phthalate	146-50-9
		Butyl decyl phthalate	89-19-0
		Butyl cyclohexyl phthalate	84-64-0
		Ditridecyl phthalate	119-06-2
		Diallyl phthalate	131-17-9
		Diisooctyl phthalate	27554-26-3
		Diisoheptyl phthalate	41451-28-9
		Bis[alkyl(C11)] phthalate	85507-79-5
110	Sodium Alkylbenzene Sulfonate (Sodium dodecylbenzenesulfonate)	Sodium Alkylbenzene Sulfonate (Sodium dodecylbenzenesulfonate)	25155-30-0
111	Tetrasodium [mu-[[3,3'-[(3,3'-dihydroxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonato]](8-)]dicuprate(4-)	Tetrasodium [mu-[[3,3'-[(3,3'-dihydroxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonato]](8-)]dicuprate(4-)	28407-37-6
112	1,1,5,5,5-hexamethyl-3,3-bis[(trimethylsilyl)oxy]trisiloxane	1,1,5,5,5-hexamethyl-3,3-bis[(trimethylsilyl)oxy]trisiloxane	3555-47-3

Ref.No	Substance (Group) name	Chemical substance name	CAS No.
113	Disodium 1-(2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulphonate	Disodium 1-(2,4-dimethylphenylazo)-2-hydroxynaphthalene-3,6-disulphonate	3761-53-3
114	Calcium bis[4-[[3-[[2-hydroxy-3-[[4-methoxyphenyl]amino]carbonyl]-1-naphthyl]azo]-4-methylbenzoyl]amino]benzenesulphonate]	Calcium bis[4-[[3-[[2-hydroxy-3-[[4-methoxyphenyl]amino]carbonyl]-1-naphthyl]azo]-4-methylbenzoyl]amino]benzenesulphonate]	43035-18-3
115	3',6'-Bis(N,N-Diethylamino)-3H-spiro[isobenzofuran-1,9'-xanthen]-3-one	3',6'-Bis(N,N-Diethylamino)-3H-spiro[isobenzofuran-1,9'-xanthen]-3-one	509-34-2
116	Lithium carbonate	Lithium carbonate	554-13-2
118	2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712-68-5
119	Hexane, 2,5-dimethyl-2,5-bis(t-butylperoxy)	Hexane, 2,5-dimethyl-2,5-bis(t-butylperoxy)-	78-63-7
120	(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride	(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride	81-88-9
121	1-Amino-2-methylantraquinone	1-Amino-2-methylantraquinone	82-28-0
122	2-Amino-4-nitro anisidine	2-Amino-4-nitro anisidine	99-59-2
123	alkylphenols	Alkylphenols	Unspecified
124	Zinc chromate	Zinc chromates including zinc potassium chromate	Unspecified
125	Perfluorinated Carboxylic Acids (PFCAs)	Perfluorinated Carboxylic Acids (PFCAs)	Unspecified
126	Silica, crystalline	Silica, crystalline (airborne particles of respirable size)	Unspecified

Document-1 (ES0101 Table-2) List of Exempted Items
 Substances to be prohibited shall be disused in principle except for the following applications.

No	Substance (Group) name	Exemptions No	Exemptions	Expiry Date
1	Cadmium /Cadmium compounds	8 (b)	Cadmium and its compounds in electrical contacts	
		13 (b)	Cadmium in filter glasses and glasses used for reflectance standards	
		21	Cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	
		30	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more	
		38	Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide	
3	Lead /Lead compounds	5 (a)	Lead in glass of cathode ray tubes	
		5 (b)	Lead in glass of fluorescent tubes not exceeding 0.2 % by weight	
		6 (a)	Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35 % lead by weight	
		6 (b)	Lead as an alloying element in aluminium containing up to 0.4 % lead by weight	
		6 (c)	Copper alloy containing up to 4 % lead by weight	
		7 (a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)	
		7 (b)	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	
		7 (c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound	
		7 (c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	
		7 (c)-IV	Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors	Expires on July 21, 2016
		9 (b)	Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications	
		13 (a)	Lead in white glasses used for optical applications	
		13 (b)	Cadmium and lead in filter glasses and glasses used for reflectance standards	
		15	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages	
		17	Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications	
		18 (b)	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi205:Pb)	
		21	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	
		24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	
		25	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring	
		29	Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC	
		31	Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)	
32	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes			
33	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers			
34	Lead in cermet-based trimmer potentiometer elements			
37	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body			
41	Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council)	Expires on December 31, 2018		
4	Mercury /Mercury compounds	1	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	
		1 (a)	For general lighting purposes < 30 W: 2.5 mg	
		1 (b)	For general lighting purposes > 30 W and < 50 W: 3.5 mg	
		1 (c)	For general lighting purposes > 50 W and < 150 W: 5 mg	
		1 (d)	For general lighting purposes > 150 W: 15 mg	
		1 (e)	For general lighting purposes with circular or square structural shape and tube diameter < 17 mm: 7 mg	
		1 (f)	For special purposes: 5 mg	
		1 (g)	For general lighting purposes < 30 W with a lifetime equal or above 20,000h: 3.5mg	Expires on December 31, 2017
		2 (a)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):	
		2 (a) (1)	Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg	
		2 (a) (2)	Tri-band phosphor with normal lifetime and a tube diameter > 9 mm and < 17 mm (e.g. T5): 3 mg	
		2 (a) (3)	Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and < 28 mm (e.g. T8): 3.5 mg	
		2 (a) (4)	Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 3.5 mg	
		2 (a) (5)	Tri-band phosphor with long lifetime (> 25,000 h): 5 mg	
		2 (b)	Mercury in other fluorescent lamps (per lamp):	
		2 (b) (2)	Non-linear halophosphate lamps (all diameters): 15 mg or less (< 15 mg)	Expires on April 13, 2016
		2 (b) (3)	Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9): 15 mg or less (< 15 mg)	
		2 (b) (4)	Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg or less (< 15 mg)	
		3	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes (per lamp):	
		3 (a)	Short length (< 500 mm): 3.5 mg or less (< 3.5 mg)	
		3 (b)	Medium length (> 500 mm and < 1,500 mm): 5 mg or less (< 5 mg)	
3 (c)	Long length (> 1,500 mm): 13 mg or less (< 13 mg)			
4 (a)	Mercury of 15 mg or less (< 15 mg) in other low pressure discharge lamps (per lamp)			
4 (b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes (per burner) in lamps with improved colour rendering index Ra > 60:			
4 (b)-I	P < 155 W: 30 mg or less (< 30 mg)			
4 (b)-II	155 W < P < 405 W: 40 mg or less (< 40 mg)			
4 (b)-III	P > 405 W: 40 mg or less (< 40 mg)			
4 (c)	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes (per burner):			
4 (c)-I	P < 155 W: 25 mg or less (< 25 mg)			
4 (c)-II	155 W < P < 405 W: 30 mg or less (< 30 mg)			
4 (c)-III	P > 405 W: 40 mg or less (< 40 mg)			
4 (e)	Mercury in metal halide lamps (MH)			
4 (f)	Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex			
4 (g)	Mercury in hand crafted luminous discharge tubes used for signs, decorative or architectural and specialist lighting and light-artwork, where the mercury (a) 20 mg per electrode pair + 0.3 mg per tube length in cm, but not more than 80 mg, for outdoor applications and indoor applications exposed to temperatures below 20 ° C; (b) 15 mg per electrode pair + 0.24 mg per tube length in cm, but not more than 80 mg, for all other indoor applications.	Expires on December 31, 2018		
14	Perfluorooctane sulfonate and its salts (PFOS)	-	• PFOS in photoresists or anti reflective coatings for photolithography processes • PFOS in photographic coatings applied to films, papers, or printing plates	

Document-2 Standards for Chemical Content

No	Substance (Group) name	Parts and materials to be reported	Threshold Limit (ppm)
1	Cadmium / Cadmium Compounds	All except batteries (Refer to Exempted Application in Document-1)	0.01% (100 ppm) by weight in any homogeneous material In case that Target Item is a packaging material, sum of concentration in Material of the 4 substances (Cadmium,Chromium VI ,Lead,Mercury) must not exceed
		Batteries	0.0005% (5 ppm) by weight in batteries
2	Hexavalent Chromium Compounds	All	0.1% (1000 ppm) by weight in any homogeneous material In case that Target Item is a packaging material, sum of concentration in Material of the 4 substances (Cadmium,Chromium VI ,Lead,Mercury) must not exceed
3	Lead / Lead Compounds	All except the objects to be shown below (Refer to Exempted Application in Document-1)	0.1% (1000 ppm) by weight in any homogeneous material In case that Target Item is a packaging material, sum of concentration in Material of the 4 substances (Cadmium,Chromium VI ,Lead,Mercury) must not exceed
		External cables, wires, and cords coated with thermoset resins or thermoplastic resins	0.03% (300 ppm) by weight in surface coating
		Batteries	0.004% (40 ppm) by weight
4	Mercury / Mercury Compounds	All except batteries (Refer to Exempted Application in Document-1)	Intentional addition or 0.1% (1000 ppm) by weight in any homogeneous material In case that Target Item is a packaging material, sum of concentration in Material of the 4 substances (Cadmium,Chromium VI ,Lead,Mercury) must not exceed
		Batteries	0.0001% (1 ppm) by weight
5	Polybrominated Biphenyls (PBBs)	All	0.1% (1000 ppm) by weight in any homogeneous material
6	Polybrominated Diphenylethers (PBDEs)	All	0.1% (1000 ppm) by weight in any homogeneous material
7	Certain Azocolourants and Azodyes	Textiles and leather products that are possible to contact skins for long time	0.003% (30 ppm) by weight in any finish textile/leather product
8	Short Chain Chlorinated Paraffins	All	0.1% (1000 ppm) by weight in any product
9	Form aldehyde	Composite wood products(plywood, particle board, MDF) or parts	Intentional addition
		Textiles	0.0075% (75 ppm) by weight in any textile product
10	Pentachlorophenol (PCP) and its salts and esters	All	0.01% (100 ppm) by weight in any homogeneous material
11	Monomethyl-dibromo-diphenyl methane (DBBT)	All	Intentional addition
12	Monomethyltetrachlorodiphenylmethane(Trade Name:Ugilec 141)	All	Intentional addition
13	Monomethyldichlorodiphenylmethane(Trade Name:Ugilec 121, Ugilec)	All	Intentional addition
14	Perfluorooctane sulfonate and its salts (PFOS)	All (Refer to Exempted Application in Document-1)	Intentional addition
15	Cobalt chlorides	Humidity indicator used for silicagel	Intentional addition
16	Dimethyl fumarate (DMF)	All	0.00001% (0.1 ppm) by weight in a material
17	Arsenic / Arsenic compounds	All except application to semiconductors, crystal, glass, emulsion, magnets, filters, copper, brass, or batteries	0.1% (1000 ppm) by weight in any homogeneous material
18	Nickel / Nickel compounds	Products that maintain direct, sustained contact with the skin(e.g. earrings, necklaces, bracelets, chains, anklets, rings,wristwatch cases and bands)	Intentional addition
19	Chlorinated hydrocarbons	All	0.1% (1000 ppm) by weight in any homogeneous material
20	Polycyclic aromatic hydrocarbons (PAH)	All	Intentional addition
21	Phthalates (DEHP,DBP,BBP,DINP,DIDP,DNBP)	BBP, DBP, DEHP: Prohibited in children's toy or child care article DIDP,DINP,DNOP: Prohibited in children's toy or child care article that can be placed in a child's mouth	0.1% (1000 ppm) by weight in any product
22	Perchlorates	All	0.0000006% (0.006 ppm) by weight in any product
23	Fluorinated greenhouse gases (PFC, SF6, HFC)	All	Intentional addition
24	Dibutyltin compounds (DBT)	All (Refer to Exempted Application in Document-1)	0.1% (1000 ppm) by weight of tin in a material
25	Diocetyl tin compounds (DOT)	Textiles and leather articles intended to come into contact with the skin Two-component room temperature vulcanisation moulding kits	0.1% (1000 ppm) by weight of tin in a material
26	Asbestos	All	Intentional addition
27	Tributyl Tin Oxide (TBTO)	All	Intentional addition, or 0.1% (1000 ppm) by weight in any product
28	Tri-substituted organostannic compounds,Tributyl Tin(TBT) and Triphenyl Tin (TPT)	All	Intentional addition, 0.1% (1000 ppm) by weight of tin in a material
29	Polychlorinated Biphenyls(PCBs) and Polychlorinated Terphenyl	All	PCBs,Intentional addition/PCTs,0.005% (50 ppm) by weight in any homogeneous material
30	Polychlorinated Naphthalenes (more than 3 chlorine atoms)	All	Intentional addition
31	Specific amine	Textiles and leather products that are possible to contact skins for long time	0.003% (30 ppm) by weight in any finish textile/leather product
32	Aromatic amines excluding the above specific amine	Textiles and leather products that are possible to contact skins for long time	0.003% (30 ppm) by weight in any finish textile/leather product
33	Chlordanes	All	Intentional addition
34	Hexa chloro benzene and benzene	All	Intentional addition
35	DDT (Chloro phenothane)	All	Intentional addition
36	Organic chlorine chemicals (Aldrin, Dieldrin, Endrin)	All	Intentional addition
37	Dioxins	All	Intentional addition
38	Ozone Depleting Substances	All	Intentional addition
39	N-p-phenylenediamine	All	Intentional addition
40	Do deca chloro octa hydro-1,3,4-metheno -2H-cyclo buta pentalene	All	Intentional addition
41	Toxaphene	All	Intentional addition
42	Bis (chloro methyl) ether	All	Intentional addition
43	2,4,6- tri -t- butyl phenol	All	Intentional addition
44	Yellow phosphorus	All	Intentional addition
45	2,2,2-Trichloro-1,1-Bis (4-Chlorophenyl) Ethanol (Kelthane)	All	Intentional addition
46	Hexachlorobutadiene (HCBT)	All	Intentional addition
47	Specified benzotriazole 2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di-tert-butylphenol	All	Intentional addition
48	Beryllium oxide	All	Intentional addition
49	Radioactive Substances	All	Intentional addition
50	Hexabromocyclododecane	All	Intentional addition
51	Polyvinyl Chloride (PVC)	Plastic materials Packaging materials used for products and accessories,etc. that come with products	Intentional addition
52	Tetrabromobisphenol-A (TBBP-A)	Application to the external appearance of products	must not contain
		All except application to the external appearance of products	0.1% (1000 ppm) by weight in any homogeneous material
53	Chlorine	All	0.09wt%(900ppm) by weight in any homogeneous material, Total chlorine and bromine content: 0.15 wt% (1500 ppm)
54	Bromine	All	0.09wt%(900ppm) by weight in any homogeneous material, Total chlorine and bromine content: 0.15 wt% (1500 ppm)

Revision History

Revision	Date	Description
1.0	Oct. 1, 2010	<p>Issued the initial version (Separated from TEAC green guideline (ES0101 2.3 edition))</p> <ol style="list-style-type: none"> 1) Deleted the following two substances to be prohibited "Halogenated Aromatic Substances (Prohibited from use in capacitors and transformers only)," "Tetra methyl thiuram di sulfide (Thiuram)" 2) Added the following six substances to be reduced to the List of substances to be prohibited "Arsenic /Arsenic compounds," "Nickel and Nickel compounds," "Fluorinated greenhouse gases (PFC, SF6, HFC)," "Beryllium oxide," "Radioactive Substances," "Tetrabromobisphenol A (TBBP-A)" 3) The rest of the "substances to be reduced" moved to the "List of substances to be controlled" or deleted 4) Added four substances to be controlled to the List of substances to be prohibited "Pentachlorophenol (PCP) and its salts and esters," "Cobalt chlorides," "Polycyclic aromatic hydrocarbons (PAHs)," "Phthalates (DEHP, DBP, BBP, DINP, DIDP, DNOP)" 5) Added ten substances to the "List of substances to be prohibited" as new substances "Monomethyl-dibromo-diphenyl methane (DBBT)," "Monomethyltetrachlorodiphenylmethane (Trade Name:Ugilec 141)," "Monomethyldichlorodiphenylmethane (Trade Name:Ugilec 121, Ugilec 21)," "Perfluorooctane sulfonate and its salts (PFOS)," "Dimethyl fumarate (DMF)," "Chlorinated hydrocarbons," "Perchlorates," "2,2,2-Trichloro-1,1-Bis (4-Chlorophenyl) Ethanol (Kelthane, Dicofol)," "Hexachlorobutadiene (HCBd)," "Specified benzotriazole 2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di-tert-butylphenol"
2.0	Mar. 22, 2013	<ol style="list-style-type: none"> 1) Added the following substances to the "List of substances to be prohibited": "Dibutyltin compounds (DBT)" and "Dioctyltin compounds (DOT)" 2) Added "Tri-substituted organostannic compounds" to the following substances group to be prohibited: " Tributyl Tin (TBT) and "Triphenyl Tin (TPT)" 3) Added "Benzen" to the following substances group to be prohibited: "Hexa chloro benzene" 4) Revised the Document-1 List of Exempted Items 5) Added the Document-2 Standards for Chemical Content 6) Deleted the substances in the List of JAMP substances to be managed (up to Ver 3.020) from the List of example substances
3.0	Feb. 10, 2016	<ol style="list-style-type: none"> 1) Deleted the following substances to the "List of substances to be prohibited": "Di -u- oxo - di -n- butyl stannio hydroxy borane (DBB)" (To become a substance group of "dibutyltin compounds (DBT)") 2) Added the following substances to the "List of substances to be prohibited": "Hexabromocyclododecane (HBCDD)" 3) Deleted the substances in the List of JAMP substances to be managed (up to Ver 4.050) from the List of example substances 4) Revised the Document-1 List of Exempted Items 5) Revised the Document-2 Standards for Chemical Content

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