

关联资料1 JVC·Kenwood特定化学物质表(物质群标准)



(市场销售·民生·业务用 用途)
禁止物质表

NO.	分类	物质名	物质名(英语)	阈值标准(报告标准)	参考NO.
1	JIG指定物质	镉/镉化合物	Cadmium and Cadmium Compounds	1.有意添加 2.含有量超过均质材料质量的100ppm (0.01%)	※6
2	JIG指定物质	六价铬化合物	Hexavalent Chromium Compounds	1.有意添加 2.含有量超过均质材料质量的1000ppm (0.1%)	※6
3	JIG指定物质	铅/铅化合物	Lead and Lead Compounds	1.有意添加 2.含有量超过均质材料质量的1000ppm (0.1%)、且对于电线或线圈(覆盖热硬化性/热可塑性材料)可能接触到的层面、含有量超过300ppm (0.03%)	※6
4	JIG指定物质	汞/汞化合物	Mercury and Mercury Compounds	1.有意添加 2.含有量超过均质材料质量的1000ppm (0.1%)	※6
5	JIG指定物质	三丁基氧化锡 (TBTO)	Tributyl Tin Oxide (TBTO)	1.有意添加 2.含有量超过均质材料质量的1000ppm (0.1%)	
6	JIG指定物质	部分三丁基锡类 (TBT 类) 三苯基锡类 (TPT 类)	Tributyl Tins & Triphenyl Tins	有意添加	
7	JIG指定物质	多溴联苯类 (PBB类)	Polybrominated Biphenyls (PBBs)	1.有意添加 2.含有量超过均质材料质量的1000ppm (0.1%)	
8	JIG指定物质	多溴联苯醚 (PBDE类)	Polybrominated Diphenyl Ethers(PBDEs)	1.有意添加 2.含有量超过均质材料质量的1000ppm (0.1%)	
9	JIG指定物质	多氯联苯类 (PCB类; 针对多氯联苯 / 多氯三联苯类)	Polychlorinated Biphenyls (PCBs、PCTs)	有意添加	
10	JIG指定物质	多氯萘 (氯原子数3个以上)	Polychlorinated Naphthalenes (Cl =>3)	有意添加	
11	JIG指定物质	短链型氯化石蜡 (碳原子链长: 针对碳原子10~13 个的短链型氯化石蜡)	Short Chain Chlorinated Paraffins	1.有意添加 2.含有量超过物质质量的1000ppm (0.1%)	
12	JIG指定物质	石棉类	Asbestos	如含有, 不论量的多少均必须报告含有量	
13	JIG指定物质	部分偶氮染料·颜料	Azo Colorants	1.有意添加 2.含有量超过. 纺织品或革制品质量的30ppm(0.003%)	※3
14	JIG指定物质	破坏臭氧层物质	Ozone Depleting Substances	如含有, 不论量的多少均必须报告含有量	
15	JIG指定物质	放射性物质	Radioactive Substances	有意添加	
16	独自禁止物质	甲醛	Formaldehyde	由于各个国家规定值不同, 具体情况请咨询我公司	※5
17	独自禁止物质	全氟辛基磺酸钾(PFOS)及其盐	Perfluorooctanesulfonic acid	表面涂层部分1µg/m2以上, 超过调剂(油脂、油等)质量50ppm以上, 超过其它物质质量1000ppm以上	※7

减量物质表

NO.	分类	物质名	物质名(英语)	阈值标准(报告标准)	参考NO.
1	JIG指定物质	锑/锑化合物	Antimony and Antimony Compounds	超过1000ppm(0.1%)	
2	JIG指定物质	砷/砷化合物	Arsenic and Arsenic Compounds	超过1000ppm(0.1%)	
3	JIG指定物质	铍/铍化合物	Beryllium and Beryllium Compounds	超过1000ppm(0.1%)	
4	JIG指定物质	铋/铋化合物	Bismuth and Bismuth Compounds	超过1000ppm(0.1%)	
5	JIG指定物质	镍	Nickel and Nickel Compounds	在DIN EN 1811 试验中, 镍的剥离量不许超过0.5 微克/ 平方厘米/ 周	※1
6	JIG指定物质	硒/硒化合物	Selenium and Selenium Compounds	超过1000ppm(0.1%)	
7	JIG指定物质	溴化阻燃剂	Brominated Flame Retardants	超过1000ppm(0.1%)	※2
8	JIG指定物质	聚氯乙烯 (PVC)	Vinyl Chloride Polymer (PVC)	超过1000ppm(0.1%)	
9	JIG指定物质	部分邻苯二甲酸盐类	Phthalates	超过1000ppm(0.1%)	※4
9	REACH SVHC	上述的物质集团不一致物质 REACH SVHC *9	Substance that doesn't correspond to the above-mentioned material group in REACH SVHC *9	超过1000ppm(0.1%)	※8

REACH高关注物质 (SVHC)

1	REACH SVHC	重铬酸钠无水物; 红矾钠	Sodium dichromate	超过1000ppm(0.1%)	※8
2	REACH SVHC	二(三-n-丁基锡)氧化物; 三丁基氧化锡	Tributyl Tin Oxide (TBTO) Bis(tributyltin)oxide	1. 有意添加 2. 含量超过均质材料质量的1000ppm (0.1%)	※8
3	REACH SVHC	氯化-C10-13-烷烃; 短链型氯化石蜡	Alkanes, C10-13, chloro Short Chain Chlorinated Paraffins	1. 有意添加 2. 含量超过均质材料质量的1000ppm (0.1%)	※8
4	REACH SVHC	4,4'-二苯氨基甲烷	4,4'- Diaminodiphenylmethane (MDA)	超过1000ppm(0.1%)	※8
5	REACH SVHC	五氧化二砷; 无水砷酸; 砷酸酐	Diarsenic pentaoxide	超过1000ppm(0.1%)	※8
6	REACH SVHC	亚砷酸; 三氧化二砷; 砒霜; 白砒	Diarsenic trioxide	超过1000ppm(0.1%)	※8
7	REACH SVHC	砷酸三乙酯	Triethyl arsenate	超过1000ppm(0.1%)	※8
8	REACH SVHC	酸式砷酸铅	Lead hydrogen arsenate	超过1000ppm(0.1%)	※8
9	REACH SVHC	丁基苯基邻苯二甲酸酯; 邻苯二甲酸二乙基己基酯	Benzyl butyl phthalate (BBP)	超过1000ppm(0.1%)	※8
10	REACH SVHC	邻苯二甲酸二正丁酯; 邻苯二甲酸二-n-丁基	Dibutyl phthalate (DBP)	超过1000ppm(0.1%)	※8
11	REACH SVHC	二(2-乙基己基)邻苯二甲酸酯; 邻苯二甲酸二(2-乙基己基)	Bis (2-ethylhexyl)phthalate(DEHP)	超过1000ppm(0.1%)	※8
15	REACH SVHC	六溴环十二烷(混合异构体)	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	超过1000ppm(0.1%)	※8
12	REACH SVHC	蒽; 多环芳烃; 绿油脑	Anthracene	超过1000ppm(0.1%)	※8 ※9
13	REACH SVHC	氯化钴(II)	Cobalt dichloride	超过1000ppm(0.1%)	※8 ※9
14	REACH SVHC	二甲苯麝香	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	超过1000ppm(0.1%)	※8 ※9

该表格为JGPPSI (JIG 标准A/B)化学物质群以及我公司独自规定禁止物质的物质名称和各化学物质群的阈值标准。

禁止物质是被禁止的物质根据各国的法令,被禁止的可能性高的物质,含有时需报告物质信息

减量物质(JIG 标准B)化学物质的使用虽然没有限制和禁止、但是使用在电气,电子机器上时,有时必须要宣布所含化学物质的信息。

特别符合※8REACH SVHC的物质,需要有关相符合物质的传递信息义务。

因此,通常的报告阈值标准是,根据所宣布对象的产品或零部件所含无机物质单位(含有总质量)和有机物质质量在该产品或零部件的总质量中所占的比例,设定为1000ppm。

即使是未达到阈值标准的减量物质,知道含有该物质的情况下,需与禁止物质一样作出报告。

※1 必须报告镍的情况只限于,镍有可能长时间与皮肤接触的便携式设计的轻便型

电子机器的外壳等用到镍的情况。

※2 针对除PBB类、PBDE类以外的溴化阻燃剂。

※3 由特定胺形成的偶氮染料·颜料、使用对象仅限于纺织品和革制品。

特定胺指的是,76/769/EEC以及第19次修正指令中规定的胺化合物。

※4 允许物质只限于符合EU风险评价规定的以下五种化学物质:

·邻苯二甲酸二丁酯 ·邻苯二甲酸(2-乙基己基) ·邻苯二甲酸二异壬酯 ·邻苯二甲酸二异癸酯 ·邻苯二甲酸丁苄酯

特别是在使用苯二甲酸(2-乙基己基)(DEHP(DOP))不可以用于事先清楚知道用于使用时与人体经常接触的部位上的零部件(产品)。

※5 面向欧洲和美国的木工产品有使用限制。请确认法规清单。

※6 在ROHS指令中,根据不同用途被定义为不在适用范围的。包装用途的素材共计必须是100ppm不到。

※7 可以适用于以下用途:1、胶卷、纸张和印刷原版的照片表面涂层2、管理上将PFOS排放量降低到最小量的电镀系统中,

用在非装饰用硬质镀铬(VI)的烟雾防止剂以及润滑剂。

※8 REACH SVHC记载的化学物质是欧洲化学品管理局(ECHA)公布的SVHC(Candidate List of Substances of Very High Concern for authorisation)

是有在REACH规则的附属书XIV被刊登,认可对象的可能性很大的物质。随着由于ECHA的公布信息随时进行更新

※9 特定化学物质表在表面中,不符合其他的物质群的REACH SVHC

关联资料2 JVC Kenwood特定化学物质详情

These lists do not necessarily cover all controlled substances. They simply illustrate chemicals with known CAS numbers.

For products and components that contain substances related to those listed below, report with the information shown below:

Asbestos	CAS No. or JIG Substances Class. No. if no CAS
Asbestos	1332-21-4
Actinolite	77536-66-4
Amosite (Grunerite)	12172-73-5
Anthophyllite	77536-67-5
Chrysotile	12001-29-5
Crocidolite	12001-28-4
Tremolite	77536-68-6

Specific amines formed from azo dyes/pigments

(EU bans certain azo dyes/pigments that generate any of the following 22 aromatic amines when their azo radicals are disconnected through reduction.)

4-aminobiphenyl	92-67-1
Benzidine	92-87-5
o-chlorotoluidine	95-69-2
2-naphthylamine	91-59-8
o-aminoazotoluene	97-56-3
5-nitro-o-toluidine	99-55-8
p-chloroaniline	106-47-8
2,4-diaminoanisole	615-05-4
4,4'-diaminodiphenylmethane	101-77-9
3,3'-dichlorobenzidine	91-94-1
3,3'-dimethoxybenzidine	119-90-4
3,3'-dimethylbenzidine	119-93-7
4,4'-methylenebis(2-methylaniline)	838-88-0
6-methoxy-m-toluidine	120-71-8
4,4'-methylenebis(2-chloroaniline)	101-14-4
4,4'-oxydianiline	101-80-4
4,4'-diaminodiphenylsulfide	139-65-1
o-toluidine	95-53-4
4-methyl-m-phenylenediamine	95-80-7
2,4,5-trimethylaniline	137-17-7
o-anisidine	90-04-0
4-amino azobenzene	60-09-3

Cadmium/Cadmium Compounds	CAS No. or JIG Substances Class. No. if no CAS
Cadmium	7440-43-9
Cadmium oxide	1306-19-0
Cadmium sulfide	1306-23-6
Cadmium chloride	10108-64-2
Cadmium sulfate	10124-36-4
Other cadmium compounds	A05990 - 9

Hexavalent Chromium Compounds	CAS No. or JIG Substances Class. No. if no CAS
Chromium oxide (Hexavalent)	1333-82-0
Barium chromate	10294-40-3
Calcium chromate	13765-19-0
Chromium trioxide	1333-82-0
Leadchromate	7758-97-6
Sodium chromate	7775-11-3
Sodium dichromate	10588-01-9
Sodium dichromate, dihydrate	7789-12-0
Strontium chromate	7789-06-2
Potassium dichromate	7778-50-9
Potassium chromate	7789-00-6
Zinc chromate	13530-65-9
Other hexavalent chromium compounds	A07990 - 9

Lead/Lead Compounds	CAS No. or JIG Substances Class. No. if no CAS
Lead	7439-92-1
Lead(II)sulfate	7446-14-2
Lead(II)carbonate	598-63-0
Lead hydrocarbonate	1319-46-6
Lead acetate	301-04-2
Lead(II)acetate, trihydrate	6080-56-4
Lead phosphate	7446-27-7
Lead selenide	12069-00-0
Lead(IV)oxide	1309-60-0
Lead(II,IV)oxide	1314-41-6
Lead(II)sulfide	1314-87-0
Lead(II)oxide	1317-36-8
Basic lead(II)carbonate	1319-46-6
Lead hydroxidcarbonate	1344-36-1
Lead(II)phosphate	7446-27-7
Lead(II)chromate	7758-97-6
Lead(II)titanate	12060-00-3
Lead sulfate	15739-80-7
Lead sulphate, tribasic	12202-17-4
Lead stearate	1072-35-1
Other lead compounds	A09990 - 9

Mercury/Mercury Compounds	CAS No. or JIG Substances Class. No. if no CAS
Mercury	7439-97-6
Mercuric chloride	33631-63-9
Mercury(II)chloride	7487-94-7
Mercuric sulfate	7783-35-9
Mercuric nitrate	10045-94-0
Mercuric(II)oxide	21908-53-2
Mercuric sulfide	1344-48-5
Other mercury compounds	A10990 - 9

Ozone Depleting Substances/Isomers*	CAS No. or JIG Substances Class. No. if no CAS
Trichlorofluoromethane	75-69-4
Dichlorodifluoromethane (CFC12)	75-71-8
Trifluorochloromethane (CFC13)	75-72-9
Pentachlorofluoroethane (CFC111)	354-56-3
Tetrachlorodifluoroethane (CFC112)	76-12-0
Trichlorotrifluoroethane (CFC113)	354-58-5
1,1,2-trichloro-1,2,2trifluoroethane	76-13-1
Dichlorotetrafluoroethane (CFC114)	76-14-2
Monochloropentafluoroethane (CFC115)	76-15-3
Heptachlorofluoropropane (CFC211)	422-78-6
	135401-87-5
Hexachlorodifluoropropane (CFC212)	3182-26-1
Pentachlorotrifluoropropane (CFC213)	2354-06-5
	134237-31-3
Tetrachlorotetrafluoropropane (CFC214)	29255-31-0
1,1,1,3-tetrachlorotetrafluoropropane	2268-46-4
Trichloropentafluoropropane (CFC215)	1599-41-3
1,1,1-trichloropentafluoropropane	4259-43-2
1,2,3-trichloropentafluoropropane	76-17-5
Dichlorohexafluoropropane (CFC216)	661-97-2
Monochloroheptafluoropropane (CFC217)	422-86-6
Bromochlorodifluoromethane (Halon 1211)	353-59-3
Bromotrifluoromethane (Halon 1301)	75-63-8
Dibromotetrafluoromethane (Halon 2402)	124-73-2
Carbon tetrachloride (Tetrachloromethane)	56-23-5
1,1,1,-trichloroethane(methyl chloroform) and its isomers except 1,1,2-trichloroethane	71-55-6
Bromomethane (Methyl Bromide)	74-83-9
Dibromofluoromethane	1868-53-7
Bromodifluoromethane	1511-62-2
Bromofluoromethane	373-52-4
Tetrabromofluoroethane	306-80-9
Tribromofluoroethane	C04104
Dibromotrifluoroethane	354-04-1
Bromotetrafluoroethane	124-72-1
Tribromofluoroethane	C04104
Dibromodifluoroethane	75-82-1
Bromotrifluoroethane	421-06-7
Dibromofluoroethane	358-97-4
Bromodifluoroethane	420-47-3
Bromofluoroethane	762-49-2
Hexabromofluoropropane	C04104
Pentabromodifluoropropane	C04104
Tetrabromotrifluoropropane	C04104
Tribromotetrafluoropropane	C04104
Dibromopentafluoropropane	431-78-7
Bromohexafluoropropane	2252-78-0
Pentabromofluoropropane	C04104
Tetrabromodifluoropropane	C04104
Tribromotrifluoropropane	C04104
Dibromotetrafluoropropane	C04104
Bromopentafluoropropane	460-88-8
Tetrabromofluoropropane	C04104
Tribromodifluoropropane	70192-80-2
Dibromotrifluoropropane	431-21-0
Bromotetrafluoropropane	679-84-5
Tribromofluoropropane	75372-14-4
Dibromodifluoropropane	460-25-3
Bromotrifluoropropane	421-46-5
Dibromofluoropropane	51584-26-0
Bromodifluoropropane	C04104
Bromofluoropropane	1871-72-3
Bromochloromethane	74-97-5

* Note: Those substances may include Isomers not listed above. Isomers with a CAS number are added to the list when they become available.

Hydrochlorofluorocarbons/Isomers*	CAS No. or JIG Substances Class. No. if no CAS
Dichlorofluoromethane (HCFC 21)	75-43-4
Chlorodifluoromethane (HCFC 22)	75-45-6
Chlorofluoromethane (HCFC 31)	593-70-4
Tetrachlorofluoroethane (HCFC 121)	134237-32-4
1,1,1,2-tetrachloro-2-fluoroethane (HCFC 121a)	354-11-0
1,1,2,2-tetrachloro-1-fluoroethane	354-14-3
Trichlorodifluoroethane (HCFC 122)	41834-16-6
1,2,2-trichloro-1,1-difluoroethane	354-21-2
Dichlorotrifluoroethane (HCFC 123)	34077-87-7
Dichloro-1,1,2-trifluoroethane	90454-18-5
2,2-dichloro-1,1,1-trifluoroethane	306-83-2
1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)	354-23-4
1,1-dichloro-1,2,2-trifluoroethane (HCFC-123b)	812-04-4
2,2-dichloro-1,1,2-trifluoroethane (HCFC-123b)	812-04-4
Chlorotetrafluoroethane (HCFC 124)	63938-10-3
2-chloro-1,1,1,2-tetrafluoroethane	2837-89-0
1-chloro-1,1,2,2-tetrafluoroethane (HCFC 124a)	354-25-6
Trichlorofluoroethane (HCFC 131)	27154-33-2;(134237-34-6)
1-fluoro-1,2,2-trichloroethane	359-28-4
1,1,1-trichloro-2-fluoroethane (HCFC131b)	811-95-0
1-chloro-1-fluoroethane (HCFC-151)	1615-75-4
Dichlorodifluoroethane (HCFC 132)	25915-78-0
1,2-dichloro-1,1-difluoroethane (HCFC 132b)	1649-08-7
1,1-dichloro-1,2-difluoroethane (HCFC 132c)	1842-05-3
1,1-dichloro-2,2-difluoroethane	471-43-2
1,2-dichloro-1,2-difluoroethane	431-06-1
Chlorotrifluoroethane (HCFC 133)	1330-45-6
1-chloro-1,2,2-trifluoroethane	1330-45-6
2-chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7
Dichlorofluoroethane (HCFC 141)	1717-00-6; (25167-88-8)
1,1-dichloro-1-fluoroethane (HCFC-141b)	1717-00-6
1,2-dichloro-1-fluoroethane	430-57-9
Chlorodifluoroethane (HCFC 142)	25497-29-4
1-chloro-1,1-difluoroethane (HCFC142b)	75-68-3
1-chloro-1,2-difluoroethane (HCFC142a)	25497-29-4
Hexachlorofluoropropane (HCFC 221)	134237-35-7
Pentachlorodifluoropropane (HCFC 222)	134237-36-8
Tetrachlorotrifluoropropane (HCFC 223)	134237-37-9
Trichlorotetrafluoropropane (HCFC 224)	134237-38-0
Dichloropentafluoropropane, (Ethyne, fluoro-) (HCFC 225)	127564-92-5; (2713-09-9)
2,2-dichloro-1,1,1,3,3-pentafluoropropane (HCFC 225aa)	128903-21-9
2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC 225ba)	422-48-0
1,2-dichloro-1,1,2,3,3-pentafluoropropane (HCFC 225bb)	422-44-6
3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC 225ca)	422-56-0
1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC 225cb)	507-55-1
1,1-dichloro-1,2,2,3,3-pentafluoropropane (HCFC 225cc)	13474-88-9
1,2-dichloro-1,1,3,3,3-pentafluoropropane (HCFC 225da)	431-86-7
1,3-dichloro-1,1,2,3,3-pentafluoropropane (HCFC 225ea)	136013-79-1
1,1-dichloro-1,2,3,3,3-pentafluoropropane (HCFC 225eb)	111512-56-2
Chlorohexafluoropropane (HCFC 226)	134308-72-8
Pentachlorofluoropropane (HCFC 231)	134190-48-0
Tetrachlorodifluoropropane (HCFC 232)	134237-39-1
Trichlorotrifluoropropane (HCFC 233)	134237-40-4
1,1,1-trichloro-3,3,3-trifluoropropane	7125-83-9
Dichlorotetrafluoropropane (HCFC 234)	127564-83-4
Chloropentafluoropropane (HCFC 235)	134237-41-5
1-chloro-1,1,3,3,3-pentafluoropropane	460-92-4
Tetrachlorofluoropropane (HCFC 241)	134190-49-1
Trichlorodifluoropropane (HCFC 242)	134237-42-6
Dichlorotrifluoropropane (HCFC 243)	134237-43-7
1,1-dichloro-1,2,2-trifluoropropane	7125-99-7
2,3-dichloro-1,1,1-trifluoropropane	338-75-0
3,3-dichloro-1,1,1-trifluoropropane	460-69-5
Chlorotetrafluoropropane (HCFC 244)	134190-50-4
3-chloro-1,1,2,2-tetrafluoropropane	679-85-6
Trichlorofluoropropane (HCFC 251)	134190-51-5
1,1,3-trichloro-1-fluoropropane	818-99-5
Dichlorodifluoropropane (HCFC 252)	134190-52-6
Chlorotrifluoropropane (HCFC 253)	134237-44-8
3-chloro-1,1,1-trifluoropropane (HCFC 253fb)	460-35-5
Dichlorofluoropropane (HCFC 261)	134237-45-9
1,1-dichloro-1-fluoropropane	7799-56-6
Chlorodifluoropropane (HCFC 262)	134190-53-7
2-chloro-1,3-difluoropropane	102738-79-4
Chlorofluoropropane (HCFC 271)	134190-54-8
2-chloro-2-fluoropropane	420-44-0

* Note: Those substances may include Isomers not listed above. Isomers with a CAS number are added to the list when they become available.

Polybrominated Biphenyls (PBBs)	CAS No. or JIG Substances Class. No. if no CAS
Polybrominated Biphenyls	59536-65-1
Dibromobiphenyl	92-86-4
2-bromobiphenyl	2052-07-5
3-bromobiphenyl	2113-57-7
4-bromobiphenyl	92-66-0
Tribromobiphenyl	59080-34-1
Tetrabromobiphenyl	40088-45-7
Pentabromobiphenyl	56307-79-0
Hexabromobiphenyl	59080-40-9
Hexabromo-1,1'-biphenyl	36355-01-8
Firemaster FF-1	67774-32-7
Heptabromobiphenyl	35194-78-6
Octabromobiphenyl	61288-13-9
Nonabromo-1,1'-biphenyl	27753-52-2
Decabromobiphenyl	13654-09-6
Polybrominated Diphenyl Ethers (PBDEs)	CAS No. or JIG Substances Class. No. if no CAS
Bromodiphenylether	101-55-3
Dibromodiphenylether	2050-47-7
Tribromodiphenylether	49690-94-0
Tetrabromodiphenylether	40088-47-9
Pentabromodiphenylether	32534-81-9
Note: Commercially available PeBDPO is a complex reaction mixture containing a variety of brominated diphenyloxides.	(A CAS number used for commercially branded PeBDPO)
Hexabromodiphenylether	36483-60-0
Heptabromodiphenylether	68928-80-3
Octabromodiphenylether	32536-52-0
Nonabromodiphenylether	63936-56-1
Decabromodiphenylether	1163-19-5
Polychlorinated Biphenyls and Terphenyls (PCBs and PCTs)	CAS No. or JIG Substances Class. No. if no CAS
Polychlorinated Biphenyls	1336-36-3
Aroclor	12767-79-2
Chlorodiphenyl (Aroclor 1260)	11096-82-5
Kanechlor 500	27323-18-8
Aroclor 1254	11097-69-1
Monomethyltetrachlorodiphenylmethane (Ugilec 141)	76253-60-6
Monomethyldichlorodiphenylmethane (Ugilec 121 and Ugilec 21)	B05009
Monomethyldibromodiphenylmethane (DBBT)	99688-47-8
PCT (Polychlorinated terphenyl)	61788-33-8
Polychlorinated Naphthalenes	CAS No. or JIG Substances Class. No. if no CAS
Polychlorinated Naphthalenes	70776-03-3
Other polychlorinated naphthalenes	B06997 - 9
Radioactive Substances (Radioisotopes)	CAS No. or JIG Substances Class. No. if no CAS
Uranium	C06001
Plutonium	C06002
Radon	C06003
Americium	C06004
Thorium	C06007
Cesium (only radioisotopes)	C06006
Strontium (only radioisotopes)	C06007
Other radioactive substances	C06997 - 9
Note: Those naturally exist should be excluded.	
Short chain chlorinated paraffin	CAS No. or JIG Substances Class. No. if no CAS
Chlorinated paraffin (C10-13)	85535-84-8
Note: Only short-chain chlorinated paraffin with carbon length of 10-13 atoms are covered.	
Tributyltin Oxide	CAS No. or JIG Substances Class. No. if no CAS
Bis(tri-n-butyltin)oxide	56-35-9
Certain Tributyl Tin (TBT) and Triphenyl Tin (TPT) compounds	CAS No. or JIG Substances Class. No. if no CAS
Triphenyltin=N,N'-dimethyldithiocarbamate	1803-12-9
Triphenyltin=fluoride	379-52-2
Triphenyltin=acetate	900-95-8
Triphenyltin=chloride	639-58-7
Triphenyltin=hydroxide	76-87-9
Triphenyltin=fatty acid salts (C=9-11)	18380-71-7 18380-72-8 47672-31-1 94850-90-5
Triphenyltin=chloroacetate	7094-94-2
Tributyltin=methacrylate	2155-70-6
Bis(tributyltin)=fumarate	6454-35-9
Tributyltin=fluoride	1983-10-4
Bis(tributyltin)=2,3-dibromosuccinate	31732-71-5
Tributyltin=acetate	56-36-0
Tributyltin=laurate	3090-36-6
Bis(tributyltin)=phthalate	4782-29-0
Copolymer of alkyl=acrylate, methyl=methacrylate and tributyltin=methacrylate (alkyl: C=8)	67772-01-4
Tributyltin=sulfamate	6517-25-5
Bis(tributyltin) maleate	14275-57-1
Tributyltin=chloride	1461-22-9,7342-38-3
Mixture of tributyltin=cyclopentanecarboxylate and its analogs (Tributyltin=naphthenate)	5409-17-2
Mixture of tributyltin=1,2,3,4,4a,5b,6,10,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthlenecarboxylate and its analogs (Tributyltin rosin salt)	26239-64-5

Antimony/Antimony Compounds	CAS No. or JIG Substances Class. No. if no CAS
Antimony (Metallic)	7440-36-0
Antimony trioxide	1309-64-4
Antimony pentoxide	1314-60-9
Antimony trichloride	10025-91-9
Sodium antimonate	15432-85-6
Other antimony compounds	A01997 - 9
Arsenic/Arsenic Compounds	CAS No. or JIG Substances Class. No. if no CAS
Arsenic	7440-38-2
Gallium arsenate	1303-00-0
Calcium arsenate	7778-44-1
Calcium arsenite	27152-57-4
Arsenic pentoxide	1303-28-2
Arsenic trioxide	1327-53-3
Potassium arsenite	10124-50-2
Potassium arsenate	7784-41-0
Lead arsenate	3687-31-8, 7784-40-9
Other arsenic compounds	A02997 - 9
Beryllium/Beryllium Compounds	CAS No. or JIG Substances Class. No. if no CAS
Beryllium	7440-41-7
Beryllium-aluminum alloy	12770-50-2
Beryllium chloride	7787-47-5
Beryllium fluoride	7787-49-7
Beryllium hydroxide	13327-32-7
Beryllium oxide	1304-56-9
Beryllium phosphate	13598-15-7
Beryllium sulfate	13510-49-1
Beryllium sulfate tetrahydrate	7787-56-6
Beryl ore	1302-52-9
Other beryllium compounds	A03997 - 9
Bismuth/ Bismuth Compounds	CAS No. or JIG Substances Class. No. if no CAS
Bismuth	7440-69-9
Bismuth trioxide	1304-76-3
Bismuth nitrate	10361-44-1
Other bismuth compounds	A04997 ~9
Brominated Flame Retardants (other than PBBs and PBBEs)	CAS No. or JIG Substances Class. No. if no CAS
Brominated flame retardant which falls under the notation from ISO 1043-4 code number FR(14): Aliphatic/alicyclic brominated compounds	B08001
Brominated flame retardant which falls under the notation from ISO 1043-4 code number FR(15): Aliphatic/alicyclic brominated compounds in combination with antimony compounds	B08002
Brominated flame retardant which falls under the notation from ISO 1043-4 code number FR(16): Aromatic brominated compounds other than brominated diphenyl ether and biphenyls	B08003
Brominated flame retardant which falls under the notation from ISO 1043-4 code number FR(17): Aromatic brominated compounds, other than brominated diphenyl ether and biphenyls, in combination with antimony compounds	B08004
Brominated flame retardant which falls under the notation from ISO 1043-4 code number FR(22): Aliphatic/alicyclic chlorinated and brominated compounds	B08005
Brominated flame retardant which falls under the notation of ISO 1043-4 code number FR(42): Brominated organic phosphorus compounds	B08006
Poly(2,6-dibromo-phenylene oxide)	69882-11-7
Tetra-decabromo-diphenoxy-benzene	58965-66-5
1,2-Bis(2,4,6-tribromo-phenoxy) ethane	37853-59-1
3,5,3',5'-Tetrabromo-bisphenol A (TBBA)	79-94-7
TBBA, unspecified	30496-13-0
TBBA-epichlorohydrin oligomer	40039-93-8
TBBA (TBBA-diglycidyl-ether oligomer)	70682-74-5
TBBA carbonate oligomer	28906-13-0
TBBA carbonate oligomer, end capped with phenoxy	94334-64-2
TBBA carbonate oligomer, terminated with 2,4,6-tribromophenol	71342-77-3
TBBA-bisphenol A-phosgene polymer	32844-27-2
Brominated epoxy resin end-capped with tribromophenol	139638-58-7
Brominated epoxy resin end-capped with tribromophenol	135229-48-0
TBBA-(2,3-dibromo-propyl-ether)	21850-44-2
TBBA bis-(2-hydroxy-ethyl-ether)	4162-45-2
TBBA-bis-(allyl-ether)	25327-89-3
TBBA-dimethyl-ether	37853-61-5
Tetrabromo-bisphenol S	39635-79-5
TBBS-bis-(2,3-dibromo-propyl-ether)	42757-55-1
2,4-dibromo-phenol	615-58-7
2,4,6-tribromo-phenol	118-79-6
Pentabromo-phenol	608-71-9
2,4,6-tribromo-phenyl-allyl-ether	3278-89-5
Tribromo-phenyl-allyl-ether, unspecified	26762-91-4
Bis(methyl)tetrabromo-phthalate	55481-60-2
Tetrabromophthalate bis(2-ethylhexyl)	26040-51-7
2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP	20566-35-2
TBPA, glycol-and propylene-oxide esters	75790-69-1
N,N'-ethylene-bis-(tetrabromo-phthalimide)	32588-76-4
Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)	52907-07-0
2,3-dibromo-2-butene-1,4-diol	3234-02-4

Brominated Flame Retardants (other than PBBs and PBBEs)	CAS No. or JIG Substances Class. No. if no CAS
Dibromo-neopentyl-glycol	3296-90-0
2,3-dibromo-propanol	96-13-9
Tribromo-neopentyl-alcohol	36483-57-5
Poly tribromo-styrene	57137-10-7
Tribromo-styrene	61368-34-1
Dibromo-styrene grafted PP	171091-06-8
Poly-dibromo-styrene	31780-26-4
Bromoparaffin/chloroparaffin	68955-41-9
Bromo-alpha-olefin/Chloro-alpha-olefin	82600-56-4
Bromoethylene	593-60-2
Tris-(2,3-dibromo-propyl)-isocyanurate	52434-90-9
Tris(2,4-dibromo-phenyl) phosphate	49690-63-3
Tris(tribromo-neopentyl) phosphate	19186-97-1
Chlorinated and brominated phosphate ester	125997-20-8
Pentabromo-toluene	87-83-2
Pentabromo-benzyl bromide	38521-51-6
1,3-Butadiene homopolymer, brominated	68441-46-3
Pentabromo-benzyl-acrylate, monomer	59447-55-1
Pentabromo-benzyl-acrylate, polymer	59447-57-3
Decabromo-diphenyl-ethane	84852-53-9
Brominated trimethylphenyl-lindane	59789-51-4
Brominated trimethylphenyl-lindane	59789-51-4
Other brominated flame retardants	B08997 - 9
1,2,5,6,9,10-Hexabromo-cyclo-dodecane (HBCDD)	3194-55-6
Tetrabromocyclooctane	31454-48-5
1,2-dibromo-4-(1,2 dibromo-ethyl)-cyclo-hexane	3322-93-8
TBPA Na salt	25357-79-3
Tetrabromo phthalic anhydride	632-79-1

Nickel	CAS No. or JIG Substances Class. No. if no CAS
Nickel	7440-02-0

The use of nickel is required to be reported only if it is likely that skin has direct contact with nickel for a long time, such as an enclosure designed for a portable electronic device.

Phthalates	CAS No. or JIG Substances Class. No. if no CAS
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7
Dibutylphthalate (DBP)	84-74-2
Diisononyl phthalate (DINP)	28553-12-0
Diisodecyl phthalate (DIDP)	26761-40-0
Butyl benzyl phthalate (BBP)	85-68-7
Di-n-octyl phthalate (DNOP)	117-84-0

Selenium/Selenium Compounds	CAS No. or JIG Substances Class. No. if no CAS
Selenium	7782-49-2
Hydrogen selenide	7783-07-5
Sodium selenide	1313-85-5
Selenium dioxide	7446-08-4
Sodium selenate	10112-94-4
Dimethyl selenide	593-79-3
Selenium oxide	12640-89-0
Other selenium compounds	A13997 - 9

Polyvinyl Chloride	CAS No. or JIG Substances Class. No. if no CAS
Polyvinyl Chloride (PVC)	9002-86-2

Formaldehyde	CAS No. or JIG Substances Class. No. if no CAS
Formaldehyde	50-00-0

Perfluorooctane sulfonate (PFOS) and its salts	CAS No. or JIG Substances Class. No. if no CAS
Potassium heptadecafluoro-1-octanesulfonate	2795-39-3
1-Octanesulphonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	307-35-7
2-Propenoic acid,2-methyl-, 2-[ethyl]heptadecafluorooctyl)sulphonyl]amino]ethyl ester	376-14-7
2-Propenoic acid,2-butyl[(heptadecafluorooctyl)sulphonyl]amino]ethyl ester	383-07-3

REACH SVHC	CAS No. or JIG Substances Class. No. if no CAS
Sodium dichromate, dihydrate	7789-12-0
Sodium dichromate anhydrate	10588-01-9
Bis(tributyltin)oxide (TBTO)	56-35-9
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8
4,4'- Diaminodiphenylmethane (MDA)	101-77-9
Diarsenic pentoxide	1303-28-2
Diarsenic trioxide	1327-53-3
Triethyl arsenate	15606-95-8
Lead hydrogen arsenate	7784-40-9
Benzyl butyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Bis (2-ethylhexyl)phthalate(DEHP)	117-81-7
Anthracene, pure	120-12-7
Cobalt dichloride	7646-79-9
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2
1,2,5,6,9,10-hexabromocyclododecane	3194-55-6
Hexabromocyclododecane (HBCDD)	25637-99-4
Alpha-hexabromocyclododecane	134237-50-6
Beta-hexabromocyclododecane	134237-51-7
Gamma-hexabromocyclododecane	134237-52-8