

List of Rigaku Prohibited/ Controlled Substances

(as of November 1, 2023)

- This list is applied to everything used for products which we design and produce, including finished products, semi-finished products, materials, raw materials, packaging material for our product shipment, and anything incorporated into our products and shipped which are outsourced to our business partners and sold with our brand.
- Substances that exceed the threshold content level must be reported to us (not required if not applicable based on laws and regulations)
- This list is prepared based on IEC62474. This list has the name and its CAS No. (to identify chemical substance) of the representative substance of each substance group. Note that this list contains examples of substance names but does not cover all substances.
- Not applicable to supplied parts or materials which we provide (we investigate them) and when instructed by us in drawings.

No.	Classification	Substance Group	Substance name in Japanese 物質名(例示)	Substance: Name (ex.)	CAS No.	Threshold Level	Remarks(laws, regulations, etc. to be referred)
1	Prohibited	Cadmium/Cadmium compounds	カドミウム 酸化カドミウム 硫化カドミウム 塩化カドミウム 硫酸カドミウム その他のカドミウム化合物	Cadmium Cadmium oxide Cadmium sulfide Cadmium chloride Cadmium sulfate Other cadmium compounds	7440-43-9 1306-19-0 1306-23-6 10108-64-2 10124-36-4 31119-53-6	Prohibited to use intentionally or less than 0.01% by weight (100ppm) of homogeneous materials	EU RoHS Directive EU REACH Regulation Others
2	Prohibited	Chromium VI compounds	酸化クロム(VI) クロム酸バリウム クロム酸カルシウム 三酸化クロム クロム酸鉛(II) 硫酸モリブデン酸クロム酸鉛 ピグメントイエロー 34 クロム酸ナトリウム 重クロム酸ナトリウム クロム酸ストロンチウム 重クロム酸カリウム クロム酸カリウム クロム酸亜鉛 その他の六価クロム化合物	Chromium (VI) oxide Barium chromate Calcium chromate Chromium trioxide Lead (II) chromate Lead chromate molybdatesulphatered Lead sulphochromate yellow Sodium chromate Sodium dichromate Strontium chromate Potassium dichromate Potassium chromate Zinc chromate Other hexavalent chromium compounds	1333-82-0 10294-40-3 13765-19-0 1333-82-0 7758-97-6 12656-85-8 1344-37-2 7775-11-3 10588-01-9, 7789-12-0 7789-6-2 7778-50-9 7789-00-6 13530-65-9 -	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of homogeneous materials	EU RoHS Directive EU REACH Regulation Others
3	Prohibited	Lead/Lead compounds	鉛 硫酸鉛(II) 炭酸鉛 クロム酸鉛(II) 硫酸モリブデン酸クロム酸鉛 炭酸水酸化鉛(亜炭酸鉛) 酢酸鉛 酢酸鉛(III)、三水合物 リン酸鉛 セレン化鉛 酸化鉛(IV) 酸化鉛(II,IV) 硫化鉛(II) 酸化鉛(II) 塩基性炭酸鉛(II) 炭酸水酸化鉛 リン酸鉛(II) ピグメントイエロー 34 チタン酸鉛(II) 硫酸鉛 三塩基性硫酸鉛 ステアリン酸鉛 その他の鉛化合物	Lead Lead(II) sulfate Lead(II) carbonate Lead(II) chromate Lead chromate molybdatesulphatered Lead hydroxidcarbonate Lead acetate Lead (II) acetate, trihydrate Lead phosphate Lead selenide Lead (IV) oxide Lead (II,IV) oxide Lead (II) sulfide Lead (II) oxide Lead(II) carbonate basic Lead hydroxidcarbonate Lead(II) phosphate Lead sulphochromate yellow Lead(II) titanate Lead sulfate,sulphuric acid, lead salt Lead sulphate,tribasic Lead stearate Other lead compounds	7439-92-1 7446-14-2 598-63-0 7758-97-6 12656-85-8 1319-46-6 301-04-2 6080-56-4 7446-27-7 12069-00-0 1309-60-0 1314-41-6 1314-87-0 1317-36-8 1319-46-6 1344-36-1 7446-27-7 1344-37-2 12060-00-3 15739-80-7 12202-17-4 1072-35-1 -	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of homogeneous materials	EU RoHS Directive *Usage not applicable to RoHS is not prohibited EU REACH Regulation Others

4	Prohibited	Mercury/Mercury compounds	水銀 塩化第2水銀 塩化水銀(II) 硫酸水銀 硝酸第2水銀 酸化水銀(II) 硫化第2水銀 その他の水銀化合物	Mercury Mercuric chloride Mercury (II) chloride Mercuric sulfate Mercuric nitrate Mercuric (II) oxide Mercuric sulfide Other mercury compounds	7439-97-6 33631-63-9 7487-94-7 7783-35-9 10045-94-0 21908-53-2 1344-48-5 -	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of homogeneous materials	EU RoHS Directive Others
5	Prohibited	Tributyl Tin Oxide(TBTO)	—	Tributyltin oxide(TBTO)	56-35-9	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of tin in a material	EU REACH Regulation Others
6	Prohibited	Tri-substituted organostannic compounds	—	—	—	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of tin in a material	EU REACH Regulation Others
7	Prohibited	Diocetyl tin compounds(DOT)	ジオクチルスズオキサイド ジオクチルスズジラレート その他のジオクチル錫化合物	Diocetyl Tin Oxide Diocetyl tin dilaurate Other Diocetyl tin compounds	870-08-6 3648-18-8 —	Less than 0.1% by weight (1000ppm) of tin in a material	EU REACH Regulation
8	Prohibited	Polybrominated Biphenyls (PBB)	ポリ臭化ビフェニル類 ジブロモビフェニル 2-ブロモビフェニル 3-ブロモビフェニル 4-ブロモビフェニル トリブロモビフェニル テトラブロモビフェニル ペンタブロモビフェニル ヘキサブロモビフェニル ヘキサブロモ-1,1'-ビフェニル ファイアーマスター FF-1 (Firemaster FF-1) ヘプタブロモビフェニル オクタブロモビフェニル ノナブロモ-1,1'-ビフェニル デカブロモビフェニル	Polybrominated Biphenyls Dibromobiphenyl 2-Bromobiphenyl 3-Bromobiphenyl 4-Bromobiphenyl Tribromobiphenyl Tetrabromobiphenyl Pentabromobiphenyl Hexabromobiphenyl hexabromo-1,1'-biphenyl Firemaster FF-1 Heptabromobiphenyl Octabromobiphenyl Nonabiphenyl Decabromobiphenyl	59536-65-1 92-86-4 2052-7-5 2113-57-7 92-66-0 59080-34-1 40088-45-7 56307-79-0 59080-40-9 36355-01-8 67774-32-7 35194-78-6 61288-13-9 27753-52-2 13654-09-6	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of homogeneous materials	EU RoHS Directive EU REACH Regulation EU POPs Regulation Others
9	Prohibited	Polybrominated Diphenylethers(PBDEs)	ブロモジフェニルエーテル ジブロモジフェニルエーテル トリブロモジフェニルエーテル テトラブロモジフェニルエーテル ペンタブロモジフェニルエーテル ヘキサブロモジフェニルエーテル ヘプタブロモジフェニルエーテル オクタブロモジフェニルエーテル ノナブロモジフェニルエーテル デカブロモジフェニルエーテル	Bromodiphenyl ether Dibromodiphenyl ethers Tribromodiphenyl ether Tetrabromodiphenyl ethers Pentabromodiphenyl ether Hexabromodiphenyl ether Heptabromodiphenylether Octabromodiphenyl ether Nonabromodiphenylether Decabromodiphenyl ether	101-55-3 2050-47-7 49690-94-0 40088-47-9 32534-81-9 36483-60-0 68928-80-3 32536-52-0 63936-56-1 1163-19-5	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of homogeneous materials	EU RoHS Directive EU REACH Regulation EU POPs Regulation Others
10	Prohibited	Polychlorinated Biphenyls(PCBs) and specific substitutes	ポリ塩化ビフェニル類 モノメチル-テトラクロロ-ジフェニルメタン(Ugilec 141) モノメチル-ジクロロ-ジフェニルメタン(Ugilec121,Ugilec21) モノメチル-ジブロモ-ジフェニルメタン (DBBT)	Polychlorinated Biphenyls (all isomers and congeners) Monomethyl-tetrachloro-diphenylmethane (Ugilec 141) Monomethyl-dichloro-diphenylmethane(Ugilec 121, Ugilec 21) Monomethyl-dibromo-diphenylmethane (DBBT)	1336-36-3 76253-60-6 81161-70-8 99688-47-8	Prohibited to use intentionally or less than 50ppm	POPs Regulation Others
11	Prohibited	Polychlorinated Terphenyls (PCTs)	B05002 PCT (ポリ塩化ターフェニル)	Polychlorinated Terphenyls	61788-33-8	0.005% by weight (50 ppm) in material	EU REACH Regulation
12	Prohibited	Polychlorinated Naphthalenes(more than 3 chlorine atoms)	ポリ塩化ナフタレン その他のポリ塩化ナフタレン	Polychlorinated Naphthalenes Other polychlorinatedNaphthalenes	70776-03-3 -	Prohibited to use intentionally	POPs Regulation Others

13	Prohibited	Perfluorooctane sulfonate(P-FOS)	2-[メチル(パーフルオロ-C4-8-アルキル)スルホニル]アミノ]エチルアクリレート-塩化ビニリジンポリマー,ドデシルエステル,2-メチル-2-プロペン酸 (N-エチル-N-[(ヘプタデカフルオロオクチル)スルホニル])	2-Propenoic acid, 2-methyl,dodecyl ester, polymers with 2-[methyl(perfluoro-C4-8-alkyl)-sulfonyl]amino]ethyl acrylate andvinylidene chloride Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-,potassium salt	306975-62-2 2991-51-7	Prohibited to use intentionally or less than 1000ppm in material used for parts or less than 1ug/m2 of coated material	POPs Regulation Others
14	Prohibited	Fluorinated greenhouse gases(PFC,HFC)	テトラフルオロメタン(4フッ化炭素、PFC-14) ヘキサフルオロエタン(PFC-116) オクタフルオロプロパン(PFC-218) デカフルオロブタン(PFC-31-10) ドデカフルオロペンタン(PFC-41-12) テトラデカフルオロヘキサ (PFC-51-14) オクタフルオロシクロブタン (PFC-c318) トリフルオロメタン - (HFC-23) ジフルオロメタン(HFC-32) フッ化メチル - (HFC-41) 2H,3H-デカフルオロペンタン- (HFC-43-10mee) ペンタフルオロエタン (HFC-125)	Tetrafluoromethane (Carbontetrafluoride, PFC-14) Hexafluoroethane (PFC-116) Octafluoropropane (PFC-218) Decafluorobutane (PFC-31-10) Dodecafluoropentane (PFC-41-12) Tetradecafluorohexane (PFC-51-14) Octafluorocyclobutane (PFC-c318) Trifluoromethane - (HFC-23) Difluoromethane - (HFC-32) Methyl fluoride - (HFC-41) 2H,3H-Decafluoropentane - (HFC-43-10mee) Pentafluoroethane (HFC-125)	75-73-0 76-16-4 76-19-7 355-25-9 678-26-2 355-42-0 115-25-3 75-46-7 1975-10-5 593-53-3 138495-42-8 354-33-6	Prohibited to use intentionally	EU Regulation Others
15			1,1,2,2-テトラフルオロエタン - (HFC-134) 1,1,1,2- テトラフルオロエタン (HFC-134a) 1,1-ジフルオロエタン- (HFC- 152a) 1,1,2-トリフルオロエタン-(H- FC-143) 1,1,1-トリフルオロエタン - (HFC-143a) 2H-ヘプタフルオロプロパン- (HFC-227ea) 1,1,1,2,2,3-ヘキサフルオロプロパ ン (HFC-236cb) 1,1,1,2,3,3-ヘキサフルオロプロパ ン-(HFC-236ea) 1,1,1,3,3,3-ヘキサフルオロプロパ ン-(HFC-236fa) 1,1,2,2,3-ペンタフルオロプロパ ン- (HFC-245ca) 1,1,1,3,3-ペンタフルオロプロパ ン - (HFC-245fa) 1,1,1,3,3-ペンタフルオロブタン - (HFC-365mfc)	1,1,2,2-Tetrafluoroethane - (HFC-134) 1,1,1,2-Tetrafluoroethane - x(HFC-134a) 1,1-Difluoroethane - (HFC-152a) 1,1,2-Trifluoroethane -(HFC-143) 1,1,1-Trifluoroethane -(HFC-143a) 2H-Heptafluoropropane- (HFC-227ea) 1,1,1,2,2,3-hexafluoro-propane (HFC-236cb) 1,1,1,2,3,3-Hexafluoropropane -(HFC- 236ea) 1,1,1,3,3,3-Hexafluoropropane -(HFC- 236fa) 1,1,2,2,3-Pentafluoropropane - (HFC-245ca) 1,1,1,3,3-Pentafluoropropane - (HFC-245fa) 1,1,1,3,3-Pentafluorobutane - (HFC-365mfc)	359-35-3 811-97-2 75-37-6 430-66-0 420-46-2 431-89-0 677-56-5 431-63-0 690-39-1 679-86-7 460-73-1 406-58-6		
16	Prohibited	Asbestos	アスベスト類 アクチノライト アモサイト(Grunerite) アンソファイト クリソタイル クロシドライト トレモライト	Asbestos Actinolite Amosite (Grunerite) Anthophyllite Chrysotile Crocidolite Tremolite	1332-21-4 77536-66-4 12172-73-5 77536-67-5 12001-29-5 12001-28-4 77536-68-6	Prohibited to use intentionally	EU REACH Regulation Others

17	Prohibited	Azocolourants and azodyes which form certain aromatic amines	<p>4-アミノビフェニルベンジジン 4-クロロ-2-メチルアニリン 2-ナフチルアミン o-アミノアゾトルエン 5-ニトロ-o-トルイジン p-クロロアニリン 2,4-ジアミノアニソール 4,4'-メチレンジアニリン 3,3'-ジクロロベンジジン 3,3'-ジメトキシベンジジン 3,3'-ジメチルベンジジン</p> <p>4,4'-ジアミノ-3, 3'-ジメチルジフェニルメタン 6-メトキシ-m-トルイジン 4,4'-メチレンビス(2-クロロアニリン) 4,4'-オキジアニリン 4,4'-ジアミノジフェニルスルフィド o-トルイジン 4-メチル-m-フェニレンジアミン 2,4,5-トリメチルアニリン o-アニシジン 4-アミノアゾベンゼン</p>	<p>biphenyl-4-ylamine Benzidine 4-chloro-o-toluidine 2-naphthylamine o-aminoazotoluene 5-nitro-o-toluidine 4-chloroaniline 4-methoxy-m-phenylenediamine 4,4'-methylenedianiline 3,3'-dichlorobenzidine 3,3'-dimethoxybenzidine 3,3'-dimethylbenzidine</p> <p>4,4'-methylenedi-o-toluidine 6-methoxy-m-toluidine 4,4'-methylene-bis(2-chloroaniline) 4,4'-oxydianiline 4,4'-thiodianiline o-toluidine 4-methyl-m-phenylenediamine 2,4,5-trimethylaniline o-anisidine 4-amino azobenzene</p>	<p>92-67-1 92-87-5 95-69-2 91-59-8 97-56-3 99-55-8 106-47-8 615-05-4 101-77-9 91-94-1 119-90-4 119-93-7</p> <p>838-88-0 120-71-8 101-14-4 101-80-4 139-65-1 95-53-4 95-80-7 137-17-7 90-04-0 1960-9-3</p>	Less than 0.003% by weight (30 ppm) of the finished textile/leather product	EU REACH Regulation
18	Prohibited	Ozone Depleting Substances, Freon(CHC), Halon		Ozone—depleting substances	—	Prohibited to use intentionally	Montreal Protocol Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures Others
19	Prohibited	Formaldehyde	—	Formaldehyde	50-00-0	Prohibited to use intentionally	TSCA German rule banning chemicals Others
20	Prohibited	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol(UV-320)	—	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	Prohibited to use intentionally	EU REACH Regulation Others
21	Prohibited	dimethyl fumarate (DMF)	—	Dimethyl fumarate	624-49-7	0.00001% by weight (0.1 ppm) in material	EU REACH Regulation
22	Prohibited	diarsenic pentoxide	—	Diarsenic Pentoxide	1303-28-2	Less than 0.1% by weight (1000ppm) of the article Scope:Glass of liquid crystal panel including cover glass, touch panel, and back light	EU REACH Regulation
23	Prohibited	diarsenic trioxide	—	Diarsenic Trioxide	1327-53-3	Less than 0.1% by weight (1000ppm) of the article Scope:Glass of liquid crystal panel including cover glass, touch panel, and back light	EU REACH Regulation
24	Prohibited	Hexabromocyclododecane(HBCDD)	<p>ヘキサブロモシクロドデカン(HBCDD) 1,2,5,6,9,10-ヘキサブロモシクロドデカン α-ヘキサブロモシクロドデカン β-ヘキサブロモシクロドデカン γ-ヘキサブロモシクロドデカン</p>	<p>Hexabromocyclododecane (HBCDD) 1,2,5,6,9,10-hexabromocyclododecane α-hexabromocyclododecane β-hexabromocyclododecane γ-hexabromocyclododecane</p>	<p>25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8</p>	Prohibited to use intentionally or less than 100ppm	POPs Regulation Others

25	Prohibited	Chloroalkanes(carbon number 10-13)(SCCP)	クロロアルカン(C=10~13) 塩素化パラフィン(短鎖) クロロアルカン(C=12~13) クロロアルカン その他短鎖塩素化パラフィン	Alkanes, C10-13, chloro Alkanes, C10-12, chloro Alkanes, C12-13, chloro Alkanes, chloro Other Short Chain ChlorinatedParaffins	85535-84-8 108171-26-2 71011-12-6 61788-76-9 -	Prohibited to use intentionally or less than 0.1% by weight (1000ppm) of the article	EU REACH Regulation Others
26	Prohibited	Chlorine phosphoric ester flame retardant	・トリス(2-クロロエチル)ホスファート (TCEP) ・トリス(1-クロロ-2-プロピル)ホスファート (TCPP) ・トリス(1,3-ジクロロ-2-プロピル)ホスファート (TDCPP)	Tris(2-chloroethyl)phosphate Tris(1-chloro-2-propyl)phosphate Tris(1,3-dichloro-2-propyl)phosphate	115-96-8 13674-84-5 13674-87-8	Less than 0.1% by weight (1000ppm) of the article	United States domestic laws
27	Prohibited	Specific Heavy Metals Cadmium/Cadmium compounds Lead/Lead compounds Mercury/Mercury compounds Chromium VI compounds	(上記1~4)	(上記1~4)	-	Prohibited to use intentionally or less than 100ppm of packaging material in total	EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste (applicable to packaging material)
28	Prohibited	Pentadecafluorooctanoic acid(PFOA)	ペルフルオロオクタ酸 ペンタデカフルオロオクタ酸アンモニウム ペンタデカフルオロオクタ酸ナトリウム ペルフルオロオクタ酸カリウム ペルフルオロオクタ酸銀(II) ペンタデカフルオロオクタニールフルオリド ペルフルオロオクタ酸メチル ペルフルオロオクタ酸エチル 2-(ペルフルオロオクチル)エタノール	Pentadecafluorooctanoic acid(PFOA) Ammoniumpentadecafluorooctanoate (APFO) Sodium salt ofPerfluorooctanoic acid Potassium salt ofPerfluorooctanoic acid Silver(1+) salt ofPerfluorooctanoic acid Perfluorooctanoyl fluoride Methyl perfluorooctanoate Ethyl perfluorooctanoate 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Hep-tadecafluorodecan-1-ol	335-67-1 3825-26-1 335-95-5 2395-00-8 335-93-3 335-66-0 376-27-2 3108-24-5 678-39-7	Less than 25ppb for PFOA (including chlorides) Less than 1000ppb for one or several combinations of PFOA related substances in total	EU REACH Regulation Regulated by REACH Regulation to POPs Regulation
29	Prohibited	Bis(2-ethylhexyl) phthalate(-DEHP)	-	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	0.1% by weight (1,000ppm) of homogeneous materials Less than 1000ppm in a total of four types	EU RoHS Directive EU REACH Regulation
30	Prohibited	Dibutylphthalate(DBP)	-	Dibutylphthalate (DBP)	84-74-2		
31	Prohibited	Butyl benzyl phthalate(BBP)	-	Butyl benzyl phthalate (BBP)	85-68-7		
32	Prohibited	Diisobutyl phthalate(DIBP)	-	Diisobutyl phthalate	84-69-5		
33	Prohibited	Polycyclic aromatic hydrocarbon(PAH)	ベンゾ[a]ピレン ベンゾ[e]ピレン ベンゾ[a]アントラセン クリセン ベンゾ[b]フルオランテン ベンゾ[j]フルオランテン ベンゾ[k]フルオランテン ジベンゾ[a,h]アントラセン	Benzo[a]pyrene(BaP) Benzo[e]pyrene(BeP) Benzo[a]anthracene(BaP) Chrysen(CHR) Benzo[b]fluoranthene(BbFA) Benzo[j]fluoranthene(BjFA) Benzo[k]fluoranthene(BkFA) Dibenzo[a,h]anthracene(DBAha)	50-32-8 192-97-2 56-55-3 218-01-9 205-99-2 205-82-3 207-08-9 53-70-3	1ppm	EU REACH Regulation
34	Prohibited	Tris(isopropylphenyl) phosphate(PIP3:1)	-	Tris phosphate(Phenolisopropylated phosphate)(PIP(3:1))	68937-41-7	Prohibited to use intentionally	United States TSCA
35	Prohibited	Perfluorocarboxylic acid PFCA(C9-C14) and its chlorides	ペルフルオロノナン酸 (PFNA) ノナデカフルオロデカン酸 (PFDA) ペルフルオロウンデカン酸 (PFUnDA) ペルフルオロドデカン酸 (PFDoDA) ペルフルオロトリデカン酸 (PFTrDA) ペルフルオロテトラデカン酸 (PFTDA) その他	Perfluorononan-1-oic acid Nonadecafluorodecanoic acid Undecanoic acid Dodecanoic acid Tridecanoic acid Tetradecanoic acid Other	375-95-1 335-76-2 2058-94-8 307-55-1 72629-94-8 376-06-7 -	Less than 25ppb C9-C14 PFCAs and their chlorides in total Less than 260ppb C9-C14 PFCAs related substances in total	EU REACH Regulation

36	Prohibited	Perfluorohexanesulfonic acid(P-FHxS)and its chlorides and related substances	—	Perfluorohexane—1—sulphonic acid and its salts	355-46-4	Prohibited to use intentionally	EU REACH Regulation
37	Prohibited	Decabromodiphenylethane(DB-DPE)	—	Decabromo-diphenyl-ethane	84852-53-9	Prohibited to use intentionally	Canadian Environmental Protection Act
38	Prohibited	Cobalt chloride(II)			646-79-9		
39	Prohibited	1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.16,9.02,13.05.10]octadeca-7,15-diene(Dechlorane Plus)		1,4,7,10-Dimethanodibenzo[a,e]cyclooctene,1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4,7,10-Dimethanodibenzo[a,e]cyclooctene,1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-rel-1,4,7,10-Dimethanodibenzo[a,e]cyclooctene,1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-rel-	13560-89-9 135821-74-8 135821-03-3	Prohibited to use intentionally	POPs Regulation EU REACH Regulation
40	Prohibited	(2-(2H-benzotriazole-2-yl)-4,6-ditert-pentylphenol(UV-328)		(2-(2H-benzotriazol-2-yl)-4, 6-ditert-pentylphenol(UV-328)	25973-55-1	Prohibited to use intentionally	POPs Regulation EU REACH Regulation
41	Controlled(*1)	EU REACH Regulations SVHC(substance of very high concern) (*2)	—	—	—	Above 0.1% by weight (1000ppm) of the article to be reported	EU REACH Regulation

(*1) Controlled substances are not prohibited to be used and we should know if they are used or not used, or their concentration. We should understand "intentional use" and "known content" ones.

Controlled substances in this list correspond to applicable substances(except for prohibited substances above) of latest "chemSHERPA_Managed_substance_list" by Joint Article Management Promotion-consortium(JAMP).

(*2) SVHC above is stored in chemSHERPA and can be managed. We recommend to manage them using chemSHERPA.

*chemSHERPA related

Japanese: <https://chemsherpa.net/tool>

English: <https://chemsherpa.net/english/tool>

(*2) Substances of very high concern: Refer to the following EU web site for SVHC (when do not use chemSHERPA)

[Example: When exporting products to EU, if they contain substances in EU REACH Regulation Candidate List (Substances of very high concern: SVHC), they need to be reported.]

<https://echa.europa.eu/candidate-list-table>