

To:Ropla Elektronik Sp. z o.o.

## 29 次 SVHC含有報告書

### Content Report for 29th SVHC Control Substances

拝啓 貴社益々ご清栄のこととお慶び申し上げます。平素は格別のご高配を賜り、厚く御礼申し上げます。

このたび、弊社がサプライヤー様より入手可能な情報・データおよび弊社が有する知見の結果、弊社の製品に SVHC リストに含まれる物質が 0.1wt%を超えて含有している事を確認しましたので報告いたします。

何かご不明な点やご質問がございましたら、弊社営業へお問合せください。

敬具

We would like to inform you that we have confirmed our products contain more than 0.1wt% of the substances in the SVHC list based on the information and data available from our suppliers and our own knowledge.

If you have any questions or concerns, please contact our sales department.

1. 対象製品 (Product)/ (Change of ink supplier)

以下参照

2. 含有情報 SVHC(Substances of Very High Concern)

製品名 Product name	製品重量 Weight of Product	含有物質 No. No. of containing substance	含有部位 Containing part	含有部位の質量 Mass of containing part	含有目的 Purpose of inclusion	含有率(ppm) Content rate
LE105-MX	5.6g	226	Filler resin	0.036g	Flame retardants	43,600

Table-1 : Candidate List of SVHC (Last update date by ECHA : 17. January. 2023)

No.	Substance name	EC No.	CAS No.	Date of inclusion (dd/mm/yyyy)
1	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	28/10/2008
2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	28/10/2008
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	28/10/2008
4	Anthracene	204-371-1	120-12-7	28/10/2008
5	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	28/10/2008
6	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	28/10/2008
7	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	28/10/2008
8	Cobalt dichloride	231-589-4	7646-79-9	28/10/2008
9	Diarsenic pentaoxide	215-116-9	1303-28-2	28/10/2008
10	Diarsenic trioxide	215-481-4	1327-53-3	28/10/2008
11	Dibutyl phthalate (DBP)	201-557-4	84-74-2	28/10/2008
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified gamma-hexabromocyclododecane EC No.: -   CAS No.: 134237-52-8 beta-hexabromocyclododecane EC No.: -   CAS No.:134237-51-7 Hexabromocyclododecane EC No.: 247-148-4   CAS No.: 25637-99-4 1,2,5,6,9,10-hexabromocyclodecane EC No.: 221-695-9   CAS No.: 3194-55-6 alpha-hexabromocyclododecane EC No.: -   CAS No.:134237-50-6	-	-	28/10/2008
13	Lead hydrogen arsenate	232-064-2	7784-40-9	28/10/2008
14	Sodium dichromate	234-190-3	10588-01-9 7789-12-0	28/10/2008
15	Triethyl arsenate	427-700-2	15606-95-8	28/10/2008
16	2,4-dinitrotoluene	204-450-0	121-14-2	13/01/2010
17	Anthracene oil	292-602-7	90640-80-5	13/01/2010
18	Anthracene oil, anthracene paste	292-603-2	90640-81-6	13/01/2010
19	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	13/01/2010
20	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	13/01/2010
21	Anthracene oil, anthracene-low	292-604-8	90640-82-7	13/01/2010
22	Diisobutyl phthalate	201-553-2	84-69-5	13/01/2010
23	Lead chromate	231-846-0	7758-97-6	13/01/2010
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	13/01/2010
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	13/01/2010
26	Pitch, coal tar, high-temp.	266-028-2	65996-93-2	13/01/2010
27	Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	13/01/2010
28	Acrylamide	201-173-7	79-06-1	30/03/2010
29	Ammonium dichromate	232-143-1	7789-09-5	18/06/2010
30	Boric acid EC No. 233-139-2 and EC No. 234-343-4 Boric acid, crude natural EC No.: 234-343-4   CAS No.:11113-50-1 Boric acid EC No.: 233-139-2   CAS No.: 10043-35-3	-	-	18/06/2010
31	Disodium tetraborate, anhydrous	215-540-4	12179-04-3 1303-96-4 1330-43-4	18/06/2010
32	Potassium chromate	232-140-5	7789-00-6	18/06/2010
33	Potassium dichromate	231-906-6	7778-50-9	18/06/2010
34	Sodium chromate	231-889-5	7775-11-3	18/06/2010
35	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	18/06/2010
36	Trichloroethylene	201-167-4	79-01-6	18/06/2010

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37	2-ethoxyethanol	203-804-1	110-80-5	15/12/2010
38	2-methoxyethanol	203-713-7	109-86-4	15/12/2010
39	Acids generated from chromium trioxide and their oligomers Oligomers of chromic acid and dichromic acid EC No.: -   CAS No.: - Chromic acid EC No.: 231-801-5   CAS No.: 13530-68-2 Dichromic acid EC No.: 236-881-5   CAS No.: 7738-94-5	-	-	15/12/2010
40	Chromium trioxide	215-607-8	1333-82-0	15/12/2010
41	Cobalt(II) carbonate	208-169-4	513-79-1	15/12/2010
42	Cobalt(II) diacetate	200-755-8	71-48-7	15/12/2010
43	Cobalt(II) dinitrate	233-402-1	10141-05-6	15/12/2010
44	Cobalt(II) sulphate	233-334-2	10124-43-3	15/12/2010
45	1,2,3-trichloropropane	202-486-1	96-18-4	20/06/2011
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	20/06/2011
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	20/06/2011
48	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	20/06/2011
49	2-ethoxyethyl acetate	203-839-2	111-15-9	20/06/2011
50	Hydrazine	206-114-9	302-01-2 7803-57-8	20/06/2011
51	Strontium chromate	232-142-6	7789-06-2	20/06/2011
52	1,2-dichloroethane	203-458-1	107-06-2	19/12/2011
53	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	19/12/2011
54	2-Methoxyaniline, o-Anisidine	201-963-1	90-04-0	19/12/2011
55	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	19/12/2011
56	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	19/12/2011
57	Arsenic acid	231-901-9	7778-39-4	19/12/2011
58	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	19/12/2011
59	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	19/12/2011
60	Calcium arsenate	231-904-5	7778-44-1	19/12/2011
61	Dichromium tris(chromate)	246-356-2	24613-89-6	19/12/2011
62	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	19/12/2011
63	Lead diazide, Lead azide	236-542-1	13424-46-9	19/12/2011
64	Lead dipicrate	229-335-2	6477-64-1	19/12/2011
65	Lead styphnate	239-290-0	15245-44-0	19/12/2011
66	N,N-dimethylacetamide	204-826-4	127-19-5	19/12/2011
67	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	19/12/2011
68	Phenolphthalein	201-004-7	77-09-8	19/12/2011
69	Potassium hydroxyoctaoxidizincatedichromate	234-329-8	11103-86-9	19/12/2011
70	Trilead diarsenate	222-979-5	3687-31-8	19/12/2011

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71	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	19/12/2011
72	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	18/06/2012
73	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	18/06/2012
74	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	18/06/2012
75	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6	18/06/2012
76	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	209-218-2	561-41-1	18/06/2012
77	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	18/06/2012
78	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	208-953-6	548-62-9	18/06/2012
79	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	219-943-6	2580-56-5	18/06/2012
80	Diboron trioxide	215-125-8	1303-86-2	18/06/2012
81	Formamide	200-842-0	75-12-7	18/06/2012
82	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	18/06/2012
83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	18/06/2012
84	α, α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	229-851-8	6786-83-0	18/06/2012
85	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	284-032-2	84777-06-0	19/12/2012
86	1,2-diethoxyethane	211-076-1	629-14-1	19/12/2012
87	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	19/12/2012
88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	19/12/2012
89	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	19/12/2012
90	4,4'-oxydianiline and its salts 4,4'-oxydianiline EC No.: 202-977-0   CAS No.: 101-80-4	-	-	19/12/2012
91	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues	-	-	19/12/2012
92	4-aminoazobenzene	200-453-6	60-09-3	19/12/2012
93	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	19/12/2012
94	4-Nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	-	19/12/2012
95	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	19/12/2012
96	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	19/12/2012
97	Acetic acid, lead salt, basic	257-175-3	51404-69-4	19/12/2012
98	Biphenyl-4-ylamine	202-177-1	92-67-1	19/12/2012
99	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	19/12/2012

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100	Cyclohexane-1,2-dicarboxylic anhydride all possible combinations of the cis- and trans-isomers Cyclohexane-1,2-dicarboxylic anhydride EC No.: 201-604-9   CAS No.: 85-42-7 trans-cyclohexane-1,2-dicarboxylic anhydride EC No.:238-009-9   CAS No.: 14166-21-3 cis-cyclohexane-1,2-dicarboxylic anhydride EC No.: 236-086-3   CAS No.: 13149-00-3	-	-	19/12/2012
101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	19/12/2012
102	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	19/12/2012
103	Diethyl sulphate	200-589-6	64-67-5	19/12/2012
104	Diisopentyl phthalate	210-088-4	605-50-5	19/12/2012
105	Dimethyl sulphate	201-058-1	77-78-1	19/12/2012
106	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	19/12/2012
107	Dioxobis(stearato)trilead	235-702-8	12578-12-0	19/12/2012
108	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	19/12/2012
109	Furan	203-727-3	110-00-9	19/12/2012
110	Henicosaflluoroundecanoic acid	218-165-4	2058-94-8	19/12/2012
111	Heptacosaflluorotetradecanoic acid	206-803-4	376-06-7	19/12/2012
112	Hexahydromethylphthalic anhydride including cis- and trans- stereo isomeric forms and all possible combinations of the isomers Hexahydro-4-methylphthalic anhydride EC No.: 243-072-0   CAS No.: 19438-60-9 Hexahydro-3-methylphthalic anhydride EC No.: 260-566-1   CAS No.: 57110-29-9 Hexahydro-1-methylphthalic anhydride EC No.: 256-356-4   CAS No.: 48122-14-1 Hexahydromethylphthalic anhydride EC No.: 247-094-1   CAS No.: 25550-51-0	-	-	19/12/2012
113	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	19/12/2012
114	Lead cyanamidate	244-073-9	20837-86-9	19/12/2012
115	Lead dinitrate	233-245-9	10099-74-8	19/12/2012
116	Lead monoxide (lead oxide)	215-267-0	1317-36-8	19/12/2012
117	Lead oxide sulfate	234-853-7	12036-76-9	19/12/2012
118	Lead titanium trioxide	235-038-9	12060-00-3	19/12/2012
119	Lead titanium zirconium oxide	235-727-4	12626-81-2	19/12/2012
120	Methoxyacetic acid	210-894-6	625-45-6	19/12/2012
121	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	19/12/2012
122	N,N-dimethylformamide	200-679-5	68-12-2	19/12/2012
123	N-methylacetamide	201-182-6	79-16-3	19/12/2012
124	N-pentyl-isopentylphthalate	-	776297-69-9	19/12/2012
125	o-aminoazotoluene	202-591-2	97-56-3	19/12/2012
126	o-toluidine	202-429-0	95-53-4	19/12/2012
127	Orange lead (lead tetroxide)	215-235-6	1314-41-6	19/12/2012
128	Pentacosaflluorotridecanoic acid	276-745-2	72629-94-8	19/12/2012
129	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	19/12/2012
130	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	19/12/2012
131	Silicic acid (H <sub>2</sub> SiO <sub>5</sub> ), barium salt (1:1), lead-doped with lead (Pb) content above the applicable generic concentration limit for ' toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD),the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008	272-271-5	68784-75-8	19/12/2012
132	Silicic acid, lead salt	234-363-3	11120-22-2	19/12/2012
133	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	19/12/2012
134	Tetraethyllead	201-075-4	78-00-2	19/12/2012
135	Tetralead trioxide sulphate	235-380-9	12202-17-4	19/12/2012

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136	Tricosafuorododecanoic acid	206-203-2	307-55-1	19/12/2012
137	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	19/12/2012
138	Trilead dioxide phosphonate	235-252-2	12141-20-7	19/12/2012
139	4-Nonylphenol, branched and linear, ethoxylated substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof	-	-	20/06/2013
140	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	20/06/2013
141	Cadmium	231-152-8	7440-43-9	20/06/2013
142	Cadmium oxide	215-146-2	1306-19-0	20/06/2013
143	Dipentyl phthalate (DPP)	205-017-9	131-18-0	20/06/2013
144	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	20/06/2013
145	Cadmium sulphide	215-147-8	1306-23-6	16/12/2013
146	Dihexyl phthalate	201-559-5	84-75-3	16/12/2013
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	16/12/2013
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	16/12/2013
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	16/12/2013
150	Lead di(acetate)	206-104-4	301-04-2	16/12/2013
151	Trixylyl phosphate	246-677-8	25155-23-1	16/12/2013
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	16/06/2014
153	Cadmium chloride	233-296-7	10108-64-2	16/06/2014
154	Sodium perborate, perboric acid, sodium salt Perboric acid, sodium salt EC No.: 234-390-0   CAS No.: 11138-47-9 Sodium perborate EC No.: 239-172-9   CAS No.: 15120-21-5	-	-	16/06/2014
155	Sodium peroxometaborate	231-556-4	7632-04-4	16/06/2014
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	17/12/2014
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	17/12/2014
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	17/12/2014
159	Cadmium fluoride	232-222-0	7790-79-6	17/12/2014
160	Cadmium sulphate	233-331-6	10124-36-4 31119-53-6	17/12/2014
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	17/12/2014
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters EC No.: 272-013-1   CAS No.:68648-93-1 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters EC No.: 271-094-0   CAS No.: 68515-51-5	-	-	15/06/2015
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] covering any of the individual stereoisomers of [1] and [2] or any combination thereof 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC No.: -   CAS No.: - 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC No.: -   CAS No.: -	-	-	15/06/2015
164	1,3-propanesultone	214-317-9	1120-71-4	17/12/2015
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	17/12/2015

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166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	17/12/2015
167	Nitrobenzene	202-716-0	98-95-3	17/12/2015
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts Ammonium salts of perfluorononan-1-oic-acid EC No.: -   CAS No.: -, 4149-60-4 Perfluorononan-1-oic-acid EC No.: 206-801-3   CAS No.: 375-95-1 Sodium salts of perfluorononan-1-oic-acid EC No.: -   CAS No.: -, 21049-39-8	-	-	17/12/2015
169	Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	20/06/2016
170	4,4'-isopropylidenediphenol Bisphenol A; BPA	201-245-8	80-05-7	12/01/2017
171	4-heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	-	12/01/2017
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Decanoic acid, nonadecafluoro-, sodium salt EC No.: -   CAS No.: 3830-45-3 Ammonium nonadecafluorodecanoate EC No.: 221-470-5   CAS No.: 3108-42-7 Nonadecafluorodecanoic acid EC No.: 206-400-3   CAS No.: 335-76-2	-	-	12/01/2017
173	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	12/01/2017
174	Perfluorohexane-1-sulphonic acid and its salts PFHxS	-	-	07/07/2017
175	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™") covering any of its individual anti- and syn-isomers or any combination thereof rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-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 EC No.: -   CAS No.: - 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 EC No.: 236-948-9   CAS No.: 13560-89-9 rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-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 EC No.: -   CAS No.: -	-	-	15/01/2018
176	Benz[a]anthracene	200-280-6	56-55-3 1718-53-2	15/01/2018
177	Cadmium carbonate	208-168-9	513-78-0	15/01/2018
178	Cadmium hydroxide	244-168-5	21041-95-2	15/01/2018
179	Cadmium nitrate	233-710-6	10325-94-7 10022-68-1	15/01/2018
180	Chrysene	205-923-4	218-01-9 1719-03-5	15/01/2018
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	15/01/2018
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	209-008-0	552-30-7	27/06/2018
183	Benzo[ghi]perylene	205-883-8	191-24-2	27/06/2018
184	Decamethylcyclopentasiloxane D5	208-764-9	541-02-6	27/06/2018
185	Dicyclohexyl phthalate DCHP	201-545-9	84-61-7	27/06/2018

Table-1 : Candidate List of SVHC (Last update date by ECHA : 17. January. 2023)

186	Disodium octaborate	234-541-0	12008-41-2	27/06/2018
187	Dodecamethylcyclohexasiloxane D6	208-762-8	540-97-6	27/06/2018
188	Ethylenediamine EDA	203-468-6	107-15-3	27/06/2018
189	Lead	231-100-4	7439-92-1	27/06/2018
190	Octamethylcyclotetrasiloxane D4	209-136-7	556-67-2	27/06/2018
191	Terphenyl, hydrogenated	262-967-7	61788-32-7	27/06/2018
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8	15/01/2019
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	15/01/2019
194	Benzo[k]fluoranthene	205-916-6	207-08-9	15/01/2019
195	Fluoranthene	205-912-4	206-44-0 93951-69-0	15/01/2019
196	Phenanthrene	201-581-5	85-01-8	15/01/2019
197	Pyrene	204-927-3	129-00-0 1718-52-1	15/01/2019
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)			16/7/2019
199	2-methoxyethyl acetate	203-772-9	110-49-6	16/7/2019
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)			16/7/2019
201	4-tert-butylphenol	202-679-0	98-54-4	16/7/2019
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	16/1/2020
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	1/16/2020
204	Diisohexyl phthalate (DIHP)	276-090-2	71850-09-4	16/1/2020
205	Perfluorobutane sulfonic acid (PFBS) and its salts †	-	-	16/1/2020
206	1-vinylimidazole	214-012-0	1072-63-5	25/6/2020
207	2-methylimidazole	211-765-7	693-98-1	25/6/2020
208	butyl 4-hydroxybenzoate	202-318-7	94-26-8	25/6/2020
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	25/6/2020
210	bis(2-(2-methoxyethoxy)ethyl) ether	205-594-7	143-24-8	19/1/2021
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	19/1/2021
212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	201-289-8	75166-31-3 80-54-6 75166-30-2	8/7/2021
213	Boric acid (H3BO3), sodium salt, hydrate	-	25747-83-5	8/7/2021
	Boric acid (H3BO3), disodium salt	-	22454-04-2	
	Trisodium orthoborate	238-253-6	14312-40-4	
	Boric acid, sodium salt	215-604-1	1333-73-9	
	Orthoboric acid, sodium salt	237-560-2	13840-56-7	
	Boric acid (H3BO3), sodium salt (1:1)	-	14890-53-0	
214	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	-	1522-92-5	8/7/2021
	2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA)	253-057-0	36483-57-5	
	2,2-bis(bromomethyl)propane 1,3-diol (BMP)	221-967-7	3296-90-0	
	2,3-dibromo-1-propanol (2,3-DBPA)	202-480-9	96-13-9	
215	Glutaral	203-856-5	111-30-8	8/7/2021



Table-1: Candidate List of SVHC (Last update date by ECHA: 17. January. 2023)

216	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	287-477-0 - 950-299-5 -	85535-85-9 1372804-76-6 - 198840-65-2	8/7/2021
217	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	310-154-3	210555-94-5 27459-10-5 27147-75-7 121158-58-5 74499-35-7 57427-55-1	8/7/2021
218	1,4-dioxane	204-661-8	123-91-1	8/7/2021
219	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B)	201-025-1	77-40-7	8/7/2021
220	(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	- - - 253-242-6 - - -	852541-21-0 852541-30-1 741687-98-9 36861-47-9 852541-25-4 95342-41-9 1782069-81-1	17/1/2022
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	204-327-1	119-47-1	17/1/2022
222	S-(tricyclo(5.2.1.0 <sup>2</sup> .6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	401-850-9	255881-94-8	17/1/2022
223	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	17/1/2022
224	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	10/6/2022
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	17/1/2023
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	17/1/2023
227	4,4'-sulphonyldiphenol	201-250-5	80-09-1	17/1/2023
228	Barium diboron tetraoxide	237-222-4	13701-59-2	17/1/2023
229	Bis(2-ethylhexyl) tetrabromophthalate	247-426-5	26040-51-7	17/1/2023
230	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	17/1/2023
231	Melamine	203-615-4	108-78-1	17/1/2023
232	Perfluoroheptanoic acid Ammonium perfluoroheptanoate Sodium perfluoroheptanoate potassium perfluoroheptanoate	206-798-9 228-098-2 243-518-4 -	375-85-9 6130-43-4 20109-59-5 21049-36-5	17/1/2023
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	473-390-7	-	17/1/2023
234	Bis(4-Chlorophenyl)sulphone	201-247-9	80-07-9	14/6/2023
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphineoxide	278-355-8	75980-60-8	14/6/2023

† No.205 of the Perfluorobutane sulfonic acid (PFBS) and its salts [ペルフルオロブタンスルホン酸(PFBS)とその塩]については、この名称の CAS No.はありませんが Perfluorobutane sulfonic acid は CAS No.: 375-73-5 で、カリウム塩の CAS No.は 29420-49-3 です。また、別名ノナフルオロ-1-ブタンスルホン酸と呼ばれています。

・SVHC(高懸念物質)に関する本記載内容は、現時点で入手し得た資料、情報、データ等に基づいて作成したものです。今後、本報告の追加変更につながる情報を入手した際には、更新情報として報告させていただきます。

The content of this description concerning SVHC is the one having made it based on material, information, and the data, etc. that were able to be acquired now. When additional change information will be acquired in the future, I will report.

・包装材は管理対象から除きます。

Packaging materials are excluded from management.

・含有率は成形重量を分母として算出しております。

The substance content ratio is calculated using the product weight as denominator.

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岡谷電機産業株式会社

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