

## REACH Regulation Declaration Substances of Very High Concern

This is to certify that products listed below do not contain more than 0.1 wt% of any substances on the candidate list of REACH - substances of Very High Concern (SVHC).


Attached sheet : SVHC(REACH) 224 List

Supplier information			
Supplier name	SII Crystal Technology Inc. Quality Assurance Division		
Presenter	Masayuki Kawaguchi	Contact number	+81-282-24-1212
E-Mail	masayuki.kawaguchi@sii.co.jp	Facsimile number	+81-282-24-2700

Products				
Product model	Quartz Crystal Unit:			
	VT-200-F	VT-200-FL		
	SC-32S	SC-32P	SC-32A	SC-32L
	SC-20S	SC-20P	SC-20A	SC-20T
	SC-16S			
	SC-12S			

REACH Annex XVII (Restricted)
Refer ; <a href="https://echa.europa.eu/substances-restricted-under-reach">https://echa.europa.eu/substances-restricted-under-reach</a>

Substances
* Please find SVHC list (currently 224 substances)

Signature : 

Name : Masayuki Kawaguchi

Position : Quality Assurance Division Manager

Date of Issue : 8-Jul-2022

## REACH Regulation Declaration Substances of Very High Concern

This is to declare that the product(s) below contain(s) authorized substances (224 substances) of Annex X VII (restriction) of the EU REACH Regulation as follows.

Attached sheet : SVHC(REACH) 224 List

Supplier information			
Supplier name	SII Crystal Technology Inc. Quality Assurance Division		
Presenter	Masayuki Kawaguchi	Contact number	+81-282-24-1212
E-Mail	masayuki.kawaguchi@sii.co.jp	Facsimile number	+81-282-24-2700

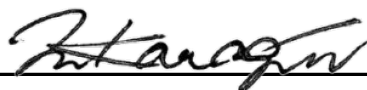
Products	
Product model	Quartz Crystal Unit: SSP-T7-F      SSP-T7-FL

List No	Containing substance	CAS No.	Containing part	(w%) / Total Weight
No.185	Lead	7439-92-1	Plug Plating SnPb	1.13

Remarks : RoHS exemption (7a) Lead in high melting point solder

REACH Annex X VII (Restricted)
Refer ; <a href="https://echa.europa.eu/substances-restricted-under-reach">https://echa.europa.eu/substances-restricted-under-reach</a>

Substances
* Please find SVHC list (currently 224 substances)

Signature :   
 Name : Masayuki Kawaguchi  
 Position : Quality Assurance Division Manager

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## REACH Regulation Declaration Substances of Very High Concern

This is to declare that the product(s) below contain(s) authorized substances (224 substances) of Annex X VII (restriction) of the EU REACH Regulation as follows.

Attached sheet : SVHC(REACH) 224 List


Supplier information			
Supplier name	SII Crystal Technology Inc. Quality Assurance Division		
Presenter	Masayuki Kawaguchi	Contact number	+81-282-24-1212
E-Mail	masayuki.kawaguchi@sii.co.jp	Facsimile number	+81-282-24-2700

Products	
Product model	Quartz Crystal Oscillator SH-32R

List No	Containing substance	CAS No.	Containing part	(w%) / Total Weight
No.91	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7	Adhesive	0.01
No.92	Hexahydro-4-methylphthalic anhydride	19438-60-9	Adhesive	0.20

REACH Annex X VII (Restricted)
Refer ; <a href="https://echa.europa.eu/substances-restricted-under-reach">https://echa.europa.eu/substances-restricted-under-reach</a>

Substances
* Please find SVHC list (currently 224 substances)

Signature :   
 Name : Masayuki Kawaguchi  
 Position : Quality Assurance Division Manager

Date of Issue : 8-Jul-2022

## SVHC candidate list

Last Update : June 10, 2022

	Substance Name	CAS No.	EC No.	Date of inclusion
1	2,4-Dinitrotoluene	121-14-2	204-450-0	13.Jan.2010
2	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	28.Oct.2008
3	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	28.Oct.2008
4	Acrylamide	79-06-1	201-173-7	30.Mar.2010
5	Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	28.Oct.2008
6	Ammonium dichromate	7789-09-5	232-143-1	18.06.2010
7	Anthracene	120-12-7	204-371-1	28.Oct.2008
8	Anthracene oil	90640-80-5	292-602-7	13.Jan.2010
9	Anthracene oil, anthracene paste	90640-81-6	292-603-2	13.Jan.2010
10	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	13.Jan.2010
11	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	13.Jan.2010
12	Anthracene oil, anthracene-low	90640-82-7	292-604-8	13.Jan.2010
13	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	28.Oct.2008
14	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	28.Oct.2008
15	Bis (tributyltin)oxide (TBTO)	56-35-9	200-268-0	28.Oct.2008
16	Boric acid	10043-35-3 /11113-50-	233-139-2/234-343-4	18.Jun.2010
17	Cobalt dichloride	7646-79-9	231-589-4	28.Oct.2008
18	Diarsenic pentaoxide	1303-28-2	215-116-9	28.Oct.2008
19	Diarsenic trioxide	1327-53-3	215-481-4	28.Oct.2008
20	Dibutyl phthalate (DBP)	84-74-2	201-557-4	28.Oct.2008
21	Diisobutyl phthalate	84-69-5	201-553-2	13.Jan.2010
22	Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4	18.Jun.2010
23	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	25637-99-4 3194-55-6	247-148-4 221-695-9	28.Oct.2008
24	Lead chromate	7758-97-6	231-846-0	13.Jan.2010
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	13.Jan.2010
26	Lead hydrogen arsenate	7784-40-9	232-064-2	28.Oct.2008
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	13.Jan.2010
28	Pitch, coal tar, high temp.	65996-93-2	266-028-2	13.Jan.2010
29	Potassium chromate	7789-00-6	232-140-5	18.Jun.2010
30	Potassium dichromate	7778-50-9	231-906-6	18.Jun.2010
31	Sodium chromate	7775-11-3	231-889-5	18.Jun.2010
32	Sodium dichromate	10588-01-9 (anhydrous) 7789-12-0 (dihydrate)	234-190-3	28.Oct.2008
33	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	18.Jun.2010
34	Trichloroethylene	79-01-6	201-167-4	18.Jun.2010
35	Triethyl arsenate	15606-95-8	427-700-2	28.Oct.2008
36	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	13.Jan.2010
37	Trioxochromium	58591-12-1	215-607-8	15.Dec.2010
38	2-Ethoxyethanol	110-80-5	203-804-1	15.Dec.2010
39	2-Methoxyethanol	109-86-4	203-713-7	15.Dec.2010
40	Cobalt (di)acetate	71-48-7	200-755-8	15.Dec.2010
41	Cobalt (II) carbonate	513-79-1	208-169-4	15.Dec.2010
42	Cobalt dinitrate	10141-05-6	233-402-1	15.Dec.2010
43	Cobalt (II) sulphate	10124-43-3	233-334-2	15.Dec.2010
44	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2 -	231-801-5 236-881-5 -	15.Dec.2010
45	2-ethoxyethyl acetate	111-15-9	203-839-2	21.Dec.2011
46	strontium chromate	7789-06-2	232-142-6	21.Feb.2011
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	21.Feb.2011
48	Hydrazine	7803-57-8 302-01-2	206-114-9	21.Feb.2011
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	21.Feb.2011
50	1,2,3-trichloropropane	96-18-4	202-486-1	21.Feb.2011
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	21.Feb.2011
52	Dichromium tris(chromate)	24613-89-6	246-356-2	18.Jan.2012
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	234-329-8	18.Jan.2012
54	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	18.Jan.2012
55	Aluminosilicate Refractory Ceramic Fibres [RCF]	-	-	18.Jan.2012
56	Zirconia Aluminosilicate Refractory Ceramic Fibres [Zr-RCF]	-	-	18.Jan.2012
57	Formaldehyde, oligomeric reaction products with aniline [technical MDA]	25214-70-4	500-036-1	18.Jan.2012
58	Bis(2-methoxyethyl) phthalate x2	117-82-8	204-212-6	18.Jan.2012
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	18.Jan.2012
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	18.Jan.2012
61	1,2-Dichloroethane	107-06-2	203-458-1	18.Jan.2012
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	18.Jan.2012
63	Arsenic acid	7778-39-4	231-901-9	18.Jan.2012
64	Calcium arsenate	7778-44-1	231-904-5	18.Jan.2012
65	Trilead diarsenate	3687-31-8	222-979-5	18.Jan.2012
66	N,N-dimethylacetamide [DMAC]	127-19-5	204-826-4	18.Jan.2012
67	2,2-dichloro-4,4'-methylenedianiline [MOCA]	101-14-4	202-918-9	18.Jan.2012
68	Phenolphthalein	77-09-8	201-004-7	18.Jan.2012
69	Lead azide Lead diazide	13424-46-9	236-542-1	18.Jan.2012
70	Lead styphnate	15245-44-0	239-290-0	18.Jan.2012
71	Lead dipicrate	6477-64-1	229-335-2	18.Jan.2012
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	18.Jun.2012
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	18.Jun.2012
74	Diboron trioxide	215-125-8	1303-86-2	18.Jun.2012
75	Formamide	200-842-0	75-12-7	18.Jun.2012
76	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	18.Jun.2012
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	219-514-3	2451-62-9	18.Jun.2012
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-	423-400-0	59653-74-6	18.Jun.2012

## SVHC candidate list

Last Update : June 10, 2022

	Substance Name	CAS No.	EC No.	Date of inclusion
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	18.Jun.2012
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	18.Jun.2012
81	[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.Jun.2012
82	[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.Jun.2012
83	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.Jun.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.Jun.2012
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	19.Dec.2012
86	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	19.Dec.2012
87	Tricosafuorododecanoic acid	206-203-2	307-55-1	19.Dec.2012
88	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	19.Dec.2012
89	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	19.Dec.2012
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	19.Dec.2012
91	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	19.Dec.2012
92	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	19.Dec.2012
93	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.Dec.2012
94	4-(1,1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	19.Dec.2012
95	Methoxyacetic acid	210-894-6	625-45-6	19.Dec.2012
96	N,N-dimethylformamide	200-679-5	-	19.Dec.2012
97	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	19.Dec.2012
98	Lead monoxide (Lead oxide)	215-267-0	1317-36-8	19.Dec.2012
99	Orange lead (Lead tetroxide)	215-235-6	1314-41-6	19.Dec.2012
100	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	19.Dec.2012
101	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	19.Dec.2012
102	Lead titanium trioxide	235-038-9	12060-00-3	19.Dec.2012
103	Lead titanium zirconium oxide	235-727-4	12626-81-2	19.Dec.2012
104	Silicic acid, lead salt	234-363-3	11120-22-2	19.Dec.2012
105	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <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.Dec.2012
106	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	19.Dec.2012
107	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	19.Dec.2012
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	19.Dec.2012
109	Diisopentylphthalate (DIPP)	210-088-4	605-50-5	19.Dec.2012
110	N-pentyl-isopentylphthalate	-	776297-69-9	19.Dec.2012
111	1,2-diethoxyethane	211-076-1	629-14-1	19.Dec.2012
112	Acetic acid, lead salt, basic	257-175-3	51404-69-4	19.Dec.2012
113	Lead oxide sulfate	234-853-7	12036-76-9	19.Dec.2012
114	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	19.Dec.2012
115	Dioxobis(stearato)trilead	235-702-8	12578-12-0	19.Dec.2012
116	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	19.Dec.2012
117	Lead cyanamide	244-073-9	20837-86-9	19.Dec.2012
118	Lead dinitrate	233-245-9	10099-74-8	19.Dec.2012
119	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	19.Dec.2012
120	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	19.Dec.2012
121	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	19.Dec.2012
122	Tetraethyllead	201-075-4	78-00-2	19.Dec.2012
123	Tetralead trioxide sulphate	235-380-9	12202-17-4	19.Dec.2012
124	Trilead dioxide phosphonate	235-252-2	12141-20-7	19.Dec.2012
125	Furan	203-727-3	110-00-9	19.Dec.2012
126	Diethyl sulphate	200-589-6	64-67-5	19.Dec.2012
127	Dimethyl sulphate	201-058-1	77-78-1	19.Dec.2012
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	19.Dec.2012
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	19.Dec.2012
130	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	19.Dec.2012
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	19.Dec.2012
132	4-aminoazobenzene	200-453-6	-	19.Dec.2012
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	19.Dec.2012
134	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	19.Dec.2012

## SVHC candidate list

Last Update : June 10, 2022

	Substance Name	CAS No.	EC No.	Date of inclusion
135	Biphenyl-4-ylamine	202-177-1	92-67-1	19.Dec.2012
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	202-591-2	97-56-3	19.Dec.2012
137	o-toluidine	202-429-0	95-53-4	19.Dec.2012
138	N-methylacetamide	201-182-6	79-16-3	19.Dec.2012
139	Cadmium	231-152-8	7440-43-9	20.Jun.2013
140	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	20.Jun.2013
141	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	20.Jun.2013
142	Dipentyl phthalate (DPP)	205-017-9	131-18-0	20.Jun.2013
143	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 c	-	-	20.Jun.2013
144	Cadmium oxide	215-146-2	1306-19-0	20.Jun.2013
145	Cadmium sulphide	215-147-8	1306-23-6	16.Dec.2013
146	Dihexyl phthalate	201-559-5	84-75-3	16.Dec.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.Dec.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.Dec.2013
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	202-506-9	96-45-7	16.Dec.2013
150	Lead di(acetate)	206-104-4	301-04-2	16.Dec.2013
151	Trixylyl phosphate	246-677-8	25155-23-1	16.Dec.2013
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	16.Jun.2014
153	Cadmium chloride	233-296-7	10108-64-2	16.Jun.2014
154	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-	16.Jun.2014
155	Sodium peroxometaborate	231-556-4	7632-04-4	16.Jun.2014
156	Cadmium fluoride	7790-79-6	232-222-0	17.Dec.2014
157	Cadmium sulphate	10124-36-4 31119-53-6	233-331-6	17.Dec.2014
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	17.Dec.2014
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	17.Dec.2014
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	15571-58-1	239-622-4	17.Dec.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.Dec.2014
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	15.Jun.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 isomers of [1] and [2] or any combination thereof]	-	-	15.Jun.2015
164	1,3-propanesultone	1120-71-4	214-317-9	
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	
167	Nitrobenzene	98-95-3	202-716-0	17.Dec.2015
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	20.Jun.2016
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	
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.Jan.2017
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7, 335-76-2, 3830-45-3	-, 206-400-3, 221-470-5,	
173	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	
174	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	206-587-1	10.Jul.2017
175	Chrysene	218-01-9	205-923-4	
176	Benz[a]anthracene	56-55-3	200-280-6	
177	Cadmium nitrate	10325-94-7, 10022-68-1(tetrahydrate)	233-710-6	
178	Cadmium hydroxide	21041-95-2	244-168-5	
179	Cadmium carbonate	513-78-0	208-168-9	15.Jan.2018

## SVHC candidate list

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	Substance Name	CAS No.	EC No.	Date of inclusion
180	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9,135821-74-8, 135821-03-3	-	
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with 70.1% w/w 4-heptylphenol, branched and linear]	-	-	
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	27.Jun.2018
183	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	
184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	
185	Lead	7439-92-1	231-100-4	
186	Disodium octaborate	12008-41-2	234-541-0	
187	Benzo[ghi]perylene	191-24-2	205-883-8	
188	Terphenyl hydrogenated	61788-32-7	262-967-7	
189	Ethylenediamine (EDA)	107-15-3	203-468-6	
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	
191	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	15.Jan.2019
193	Benzo[k]fluoranthene	205-916-6	207-08-9	
194	Fluoranthene	205-912-4	206-44-0	
195	Phenanthrene	201-581-5	85-01-8	
196	Pyrene	204-927-3	129-00-0	
197	Undecafluorohexanoic acid and its ammonium salt	206-196-6 PFHxA 244-479-6 APFHx	307-24-4 PFHxA 21615-47-4	
198	2-methoxyethyl acetate	110-49-6	-	16.Jul.2019
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	
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)	-	-	
201	4-tert-butylphenol	98-54-4	-	16.Jan.2020
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	
204	Diisohexyl phthalate	71850-09-4	276-090-2	
205	Perfluorobutane sulfonic acid (PFBS) and its salts	25628-08-4 34454-97-2 375-73-5 375-72-4	-	25.Jun.2020
206	1-vinylimidazole	1072-63-5	214-012-0	
207	2-methylimidazole	693-98-1	211-765-7	
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	
209	Butyl 4-hydroxybenzoate(Butylparaben)	94-26-8	202-318-7	
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	205-594-7	
211	Dioctyltin 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	-	-	15.Jan.2021
212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	8.July.2021
213	Orthoboric acid, sodium salt	13840-56-7	237-560-2	
214	2,2-bis(bromomethyl)propane 1,3-diol (BMP);	3296-90-0、	221-967-7	
	2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);	36483-57-5、 1522-92-5、	253-057-0	
	2,3-dibromo-1-propanol (2,3-DBPA)	96-13-9	202-480-9	
215	Glutaral	111-30-8	203-856-5	
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]	-	-	
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)	-	-	
218	1,4-dioxane	123-91-1	204-661-8	17.Jan.2022
219	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1	
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	
221	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	
223	S-(tricyclo[5.2.1.0 <sup>2,6</sup> ]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	10.June.2022