



REACH法規高關注物質(SVHC)含量調查表
Survey Sheet for SVHC defined by REACH Regulation

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產品型號 Model name	重量(克) Weight (g)	SVHC名稱 The name of SVHC	CAS No.	SVHC占部品比重	SVHC重量(克) The weight of SVHC (g)	含有部位 Article description
G104XCE-LH1	430g	Boric acid;	10043-35-3 / 11113-50-1	3.94%	0.412912	Polarizer
		Lead;	7439-92-1	93.0199%	0.0174	Diode_high temp solder paste
		2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.239122%	0.034776469	PCB_OE_Solder mask

REACH: 化學品註冊、評估、授權和限制法規

REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals

SVHC List: Attachment A

Attachment A
SVHC List

No.	Substance name	CAS No.
1	4,4'-Methyldianilin	101-77-9
2	bis(tributyltin)oxide,hexabutyldistannoxane(TBTO)	56-35-9
3	Benzylbutylphthalate (BBP)	85-68-7
4	anthracene	120-12-7
5	triethyl arsenate	15606-95-8
6	hexabromocyclododecane,1,3,5,7,9,11-hexabromocyclododecane(HBCDD)	25637-99-4
7	5-tert-butyl-2,4,6-trinitro-mxylene	81-15-2
8	Alkanes, C10-13, chloro (Short chain chlorinated paraffins)	85535-84-8
9	cobalt(2+) dichloride	7646-79-9
10	sodium dichromate, dihydrate	7789-12-0
11	Di(2-ethylhexyl)phthalate DEHP	117-81-7
12	lead hydrogen arsenate	7784-40-9
13	Diarsenic pentoxide	1303-28-2
14	diarsenic trioxide	1327-53-3
15	Dibutylphthalate(DBP)	84-74-2
16	Anthracene oil	90640-80-5
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2
19	Anthracene oil, anthracene-low	90640-82-7
20	Anthracene oil, anthracene paste	90640-81-6
21	Pitch, coal tar, high temp.	65996-93-2
22	Acrylamide	79-06-1
23	2,4-Dinitrotoluene	121-14-2
24	Diisobutyl phthalate	84-69-5
25	Lead chromate	7758-97-6
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
28	Tris(2-chloroethyl)phosphate	115-96-8
29	Boric acid	10043-35-3
		11113-50-1
30	Disodium tetraborate, anhydrous	1303-96-4
		1330-43-4
		12179-04-3
31	Tetraboron disodium heptaoxide, hydrate	12267-73-1
32	Sodium chromate	7775-11-3
33	Potassium chromate	7789-00-6
34	Ammonium dichromate	7789-9-5
35	Potassium dichromate	7778-50-9
36	Trichloroethylene	79-01-6
37	Cobalt(II) sulphate	10124-43-3
38	Cobalt(II) dinitrate	10141-05-6
39	Cobalt(II) carbonate	513-79-1

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No.	Substance name	CAS No.
40	Cobalt(II) diacetate	71-48-7
41	2-Methoxyethanol	109-86-4
42	2-Ethoxyethanol	110-80-5
43	Chromium trioxide	1333-82-0
44	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid	7738-94-5
45	2-ethoxyethyl acetate	111-15-9
46	strontium chromate	7789-06-2
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and li near alkyl esters	68515-42-4
48	Hydrazine	7803-57-8
		302-01-2
49	1-methyl-2-pyrrolidone	872-50-4
50	1,2,3-trichloropropane	96-18-4
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
52	Dichromium tris(chromate)	24613-89-6
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9
54	Pentazinc chromate octahydroxide	49663-84-5
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4
58	Bis(2-methoxyethyl) phthalate	117-82-8
59	2-Methoxyaniline; o-Anisidine	90-04-0
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9
61	1,2-Dichloroethane	107-06-2
62	Bis(2-methoxyethyl) ether	111-96-6
63	Arsenic acid	7778-39-4
64	Calcium arsenate	7778-44-1
65	Trilead diarsenate	3687-31-8
66	N,N-dimethylacetamide (DMAC)	127-19-5
67	2,2'-dichloro-4,4'-methylenedianiline	101-14-4
68	Phenolphthalein	77-09-8
69	Lead azide Lead diazide	13424-46-9
70	Lead styphnate	15245-44-0
71	Lead dipicrate	6477-64-1
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4
74	Diboron trioxide	1303-86-2
75	Formamide	75-12-7

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No.	Substance name	CAS No.
76	Lead(II) bis(methanesulfonate)	17570-76-2
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1
85	DecaBDE	1163-19-5
86	Pentacosafuorotridecanoic acid	72629-94-8
87	Tricosafuorododecanoic acid	307-55-1
88	Henicosafuoroundecanoic acid	2058-94-8
89	Heptacosafuorotetradecanoic acid	376-06-7
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3
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].	85-42-7,13149-00-3, 14166-21-3
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 this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9
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]	-
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-
95	Methoxyacetic acid	625-45-6
96	N,N-dimethylformamide	68-12-2
97	DBTC	683-18-1

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No.	Substance name	CAS No.
98	Lead monoxide (Lead oxide)	1317-36-8
99	Orange lead (Lead tetroxide)	1314-41-6
100	Lead bis(tetrafluoroborate)	13814-96-5
101	Trilead bis(carbonate)dihydroxide	1319-46-6
102	Lead titanium trioxide	12060-00-3
103	Lead titanium zirconium oxide	12626-81-2
104	Silicic acid, lead salt	11120-22-2
105	Silicic acid (H ₂ SiO ₅), 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]	68784-75-8
106	1-bromopropane (n-propyl bromide)	106-94-5
107	Methyloxirane (Propylene oxide)	75-56-9
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
109	DIPP	605-50-5
110	N-pentyl-isopentylphthalate	776297-69-9
111	1,2-diethoxyethane	629-14-1
112	Acetic acid, lead salt, basic	51404-69-4
113	Lead oxide sulfate	12036-76-9
114	[Phthalato(2-)]dioxotrilead	69011-06-9
115	Dioxobis(stearato)trilead	12578-12-0
116	Fatty acids, C16-18, lead salts	91031-62-8
117	Lead cyanamate	20837-86-9
118	Lead dinitrate	10099-74-8
119	Pentalead tetraoxide sulphate	12065-90-6
120	Pyrochlore, antimony lead yellow	8012-00-8
121	Sulfurous acid, lead salt, dibasic	62229-08-7
122	Tetraethyllead	78-00-2
123	Tetralead trioxide sulphate	12202-17-4
124	Trilead dioxide phosphonate	12141-20-7
125	Furan	110-00-9
126	Diethyl sulphate	64-67-5
127	Dimethyl sulphate	77-78-1
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7
130	4,4'-methylenedi-o-toluidine	838-88-0
131	4,4'-oxydianiline and its salts	101-80-4
132	4-aminoazobenzene	60-09-3
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8
135	Biphenyl-4-ylamine	92-67-1

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No.	Substance name	CAS No.
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3
137	o-toluidine	95-53-4
138	N-methylacetamide	79-16-3
139	Cadmium	7440-43-9
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1
142	Dipentyl phthalate (DPP)	131-18-0
143	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]	-
144	Cadmium oxide	1306-19-0
145	Cadmium sulphide	1306-23-6
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0
147	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)	1937-37-7
148	Dihexyl phthalate	84-75-3
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7
150	Lead di(acetate)	301-04-2
151	Trixylyl phosphate	25155-23-1
152	Cadmium chloride	10108-64-2
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
154	Sodium peroxometaborate	7632-04-4
155	Sodium perborate; perboric acid, sodium salt	/
156	Cadmium fluoride	7790-79-6
157	Cadmium sulphate	10124-36-4, 31119-53-6
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
159	2-(2H-benzotriazol-2-yl)-4, 6-ditertpentylphenol (UV-328)	25973-55-1
160	2-ethylhexyl 10-ethyl-4, 4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1
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-oxo	-
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

**Attachment A
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No.	Substance name	CAS No.
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]	-
164	Nitrobenzene	98-95-3
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3
167	1,3-propanesultone	1120-71-4
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4
169	Benzo[def]chrysene	50-32-8
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7
171	4-Heptylphenol, branched and linear	-
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3
173	p-(1,1-dimethylpropyl)phenol	80-46-6
174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	355-46-4
175	Chrysene	218-01-9
176	Benz[a]anthracene	56-55-3
177	Cadmium nitrate	10325-94-7
178	Cadmium hydroxide	21041-95-2
179	Cadmium carbonate	519-78-0
180	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	-
181	Reaction products of 1,3,4,5-tetrazolium-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-404)	-
182	Octamethylcyclotetrasiloxane (D4)	556-67-2
183	Decamethylcyclopentasiloxane (D5)	541-02-6
184	Dodecamethylcyclohexasiloxane (D6)	540-97-6
185	Lead	7439-92-1
186	Disodium octaborate	12008-41-2
187	Benzo[ghi]perylene	191-24-2
188	Terphenyl hydrogenated	61788-32-7
189	Ethylenediamine (EDA)	107-15-3
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7
191	Dicyclohexyl phthalate (DCHP)	84-61-7
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6
193	Benzo[k]fluoranthene	207-08-9
194	Fluoranthene	206-44-0
195	Phenanthrene	85018

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No.	Substance name	CAS No.
196	Pyrene	129-00-0
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8
198	2-methoxyethyl acetate	110-49-6
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 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
202	Diisohexyl phthalate	71850-09-4
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-
206	1-vinylimidazole	1072-63-5
207	2-methylimidazole	693-98-1
208	Butyl 4-hydroxybenzoate	94-26-8
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8
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	-
212	2-(4-tert-butylbenzyl)propionaldenylide and its individual stereoisomers	-
213	Orthoboric acid, sodium salt	13840-56-7
214	2,2-bis(bromomethyl)propane 1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0, 36483-57-5, 1522-92-5, 96-13-9
215	Glutaral	111-30-8
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 alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-
218	1,4-dioxane	123-91-1
219	4,4'-(1-methylpropylidene)bisphenol	77-40-7
220	tris(2-methoxyethoxy)vinylsilane	1067-53-4
221	5-(tricyclo(5.2.1.0 ^{2,6})deca-5-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1

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No.	Substance name	CAS No.
223	(±)-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)	1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0
224	N-(hydroxymethyl)acrylamide	924-42-5
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene] (BTBPE)	37853-59-1
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBP-A)	79-94-7
227	4,4'-sulphonyldiphenol (BPS)	80-09-1
228	Barium diboron tetraoxide	13701-59-2
229	Bis(2-ethylhexyl) tetrabromophthalate (TBPH) covering any of the individual isomers and/or combinations thereof	26040-51-7
230	Isobutyl 4-hydroxybenzoate4- (IBP)	4247-02-3
231	Melamine	108-78-1
232	Perfluoroheptanoic acid and its salts (PFHpA)	6130-43-4 21049-36-5 375-85-9 20109-59-5
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	-