

Certification of Non-Use of REACH.



We (Sinopower Semiconductor, Inc.) hereby affirms/certify all parts and components supplied at present (or to be supplied hereafter) be free or less than threshold of the REACH designated below.

1. Non-Use of Substances REACH :Registration, Evaluation, Anthorization, and Restriction of Chemical Substance
2. The prohibited contain limit

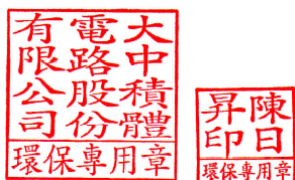
*No additional with intentional.

Even if there are no additional intended(impurity),there are no over the limit value of the below list.

*There are not the prohibited targets for using in the production process.

The contain limit	Under 0.1% w/w
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The contain limit & except application are pursuant to the laws , and if there were the alterations of the regulations , the alterations are taken precedence.



Company Stamp :

Date: 2015/6/17

Corporate Name: Sinopower Semiconductor, Inc.

Address: 5F,No.6, Dusing 1ST Rd., Hsinchu Science Park, Hsinchu, 300, Taiwan, R.O.C.

Item	化學物質名稱Substances	化學文摘號碼 CAS No.	歐洲委員會號碼 EC No.	歐盟發佈日期 Issue Date	Candidate_list	
1	Anthracene	蔥	120-12-7	204-371-1	2008/10/28	第一批 SVHC
2	4,4'- Diaminodiphenylmethane	4,4-二氨基二苯甲烷(MDA)	101-77-9	202-974-4	2008/10/28	第一批 SVHC
3	Dibutyl phthalate	鄰苯二甲酸二丁酯(DBP)	84-74-2	201-557-4	2008/10/28	第一批 SVHC
4	Cobalt dichloride	二氯化鈷	7646-79-9	231-589-4	2008/10/28 2011/6/20	第一批SVHC 第五批 SVHC
5	Diarsenic pentaoxide	五氧化二砷	1303-28-2	215-116-9	2008/10/28	第一批 SVHC
6	Diarsenic trioxide	三氧化二砷,俗稱砒霜	1327-53-3	215-481-4	2008/10/28	第一批 SVHC
7	Sodium dichromate, dihydrate	重鉻酸鈉	7789-12-0; 10588-01-9	234-190-3	2008/10/28	第一批 SVHC
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	內二甲苯麝香	81-15-2	201-329-4	2008/10/28	第一批 SVHC
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	鄰苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	204-211-0	2008/10/28	第一批 SVHC
10	Hexabromocyclododecane (HBCDD)	六溴環十二烷及其異構物	25637-99-4; 3194-55-6; 134237-50-6; 134237-51-7; 134237-52-8	247-148-4 and 221-695-9	2008/10/28	第一批 SVHC
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	短鏈氯化石蠟(C10-13)	85535-84-8	287-476-5	2008/10/28	第一批 SVHC
12	Bis(tributyltin)oxide	氧化三丁錫(TBTO)	56-35-9	200-268-0	2008/10/28	第一批 SVHC
13	Lead hydrogen arsenate	砷酸鉛	7784-40-9	232-064-2	2008/10/28	第一批 SVHC
14	Triethyl arsenate	三乙砷酸酯	15606-95-8	427-700-2	2008/10/28	第一批 SVHC
15	Benzyl butyl phthalate	鄰苯二甲酸甲基丁酯(BBP)	85-68-7	201-622-7	2008/10/28	第一批 SVHC
16	Anthracene oil	蔥油	90640-80-5	292-602-7	2010/1/13	第二批 SVHC
17	Anthracene oil, anthracene paste, distn. Lights	蔥油, 蔥糊, 輕油	91995-17-4	295-278-5	2010/1/13	第二批 SVHC
18	Anthracene oil, anthracene paste, anthracene fraction	蔥油, 蔥糊, 蔥鹼分	91995-15-2	295-275-9	2010/1/13	第二批 SVHC
19	Anthracene oil, anthracene-low	蔥油, 含量少	90640-82-7	292-604-8	2010/1/13	第二批 SVHC
20	Anthracene oil, anthracene paste	蔥油, 蔥糊	90640-81-6	292-603-2	2010/1/13	第二批 SVHC

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21	Pitch, coal tar, high temp	煤瀝青, 高溫	65996-93-2	266-028-2	2010/1/13	第二批 SVHC
22	Acrylamide	丙烯醯	79-06-1	201-173-7	2010/3/30	第二批 SVHC
23	2,4-Dinitrotoluene	2,4-二硝基甲苯	121-14-2	204-450-0	2010/1/13	第二批 SVHC
24	Diisobutyl phthalate	鄰苯二甲酸二異丁酯(DIBP)	84-69-5	201-553-2	2010/1/13	第二批 SVHC
25	Lead chromate	鉻酸鉛	7758-97-6	231-846-0	2010/1/13	第二批 SVHC
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	鉻酸紅:顏色索引 (顏料紅半104)	12656-85-8	235-759-9	2010/1/13	第二批 SVHC
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	鉻酸鉛:顏色索引 (顏料黃34)	1344-37-2	215-693-7	2010/1/13	第二批 SVHC
28	tris(2-chloroethyl)phosphate	三(2-氯乙基)磷酸酯	115-96-8	204-118-5	2010/1/13	第二批 SVHC
29	Trichloroethylene	三氯乙烯	79-01-6	201-167-4	2010/6/18	第三批 SVHC
30	Boric acid	硼酸	10043-35-3 ;11113-50-1	233-139-2, 234-343-4	2010/6/18	第三批 SVHC
31	Disodium tetraborate, anhydrous	四硼酸鈉(無水) 無水硼砂	1303-96-4, 1330-43-4, 12179-04-3	215-540-4	2010/6/18	第三批 SVHC
32	Tetraboron disodium heptaoxide, hydrate	水合硼酸鈉	12267-73-1	235-541-3	2010/6/18	第三批 SVHC
33	Sodium chromate	鉻酸鈉	7775-11-3	231-889-5	2010/6/18	第三批 SVHC
34	Potassium chromate	鉻酸鉀	7789-00-6	232-140-5	2010/6/18	第三批 SVHC
35	Ammonium dichromate	重鉻酸銨	7789-09-5	232-143-1	2010/6/18	第三批 SVHC
36	Potassium dichromate	重鉻酸鉀	7778-50-9	231-906-6	2010/6/18	第三批 SVHC
37	Cobalt(II) sulphate	硫酸鈷	10124-43-3	233-334-2	2010/12/15	第四批 SVHC
38	Cobalt(II) dinitrate	硝酸鈷	10141-05-6	233-402-1	2010/12/15	第四批 SVHC
39	Cobalt(II) carbonate	碳酸鈷	513-79-1	208-169-4	2010/12/15	第四批 SVHC
40	Cobalt(II) diacetate	醋酸鈷	71-48-7	200-755-8	2010/12/15	第四批 SVHC
41	2-Methoxyethanol	乙二醇單甲醚	109-86-4	203-713-7	2010/12/15	第四批 SVHC
42	2-Ethoxyethanol	乙二醇單乙醚	110-80-5	203-804-1	2010/12/15	第四批 SVHC
43	Chromium trioxide	三氧化鉻	1333-82-0	215-607-8	2010/12/15	第四批 SVHC
44	Acids generated from chromium trioxide and chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	鉻酸及其寡聚體產生的酸類: 鉻酸 重鉻酸 鉻酸及重鉻酸的寡聚體	7738-94-5 13530-68-2 -	231-801-5, 236-881-5	2010/12/15	第四批 SVHC
45	(2-ethoxyethyl acetate	乙二醇乙醚乙酸酯	111-15-9	203-839-2	2011/6/20	第五批 SVHC
46	strontium chromate	鉻酸銣	7789-06-2	232-142-6	2011/6/20	第五批 SVHC
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	鄰苯二甲酸二(C7-11支鏈與直鏈)烷基酯	68515-42-4	271-084-6	2011/6/20	第五批 SVHC
48	Hydrazine	聯氨	7803-57-8 302-01-2	206-114-9	2011/6/20	第五批 SVHC
49	1-methyl-2-pyrrolidone	N-甲基吡咯烷酮	872-50-4	212-828-1	2011/6/20	第五批 SVHC
50	1,2,3-trichloropropane	1,2,3-三氯丙烷	96-18-4	202-486-1	2011/6/20	第五批 SVHC
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	鄰苯二甲酸二(C6-8支鏈與直鏈)烷基酯, 富C7	71888-89-6	276-158-1	2011/6/20	第五批 SVHC
52	Dichromium tris(chromate)	鉻酸鉻	24613-89-6	246-356-2	2011/12/19	第六批 SVHC
53	Potassium hydroxyoctaoxodizincatedi-chromate	氫氧化鉻酸鋅鉀	11103-86-9	234-329-8	2011/12/19	第六批 SVHC
54	Pentazinc chromate octahydroxide	C.I.顏料黃 36	49663-84-5	256-418-0	2011/12/19	第六批 SVHC
55	Aluminosilicate Refractory Ceramic Fibres (RCF) are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation	矽酸鋁, 耐火陶瓷纖維	-	-	2011/12/19	第六批 SVHC
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation	氧化鋯矽酸, 耐火陶瓷纖維	-	-	2011/12/19	第六批 SVHC
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	甲醛和苯胺聚合物	25214-70-4	500-036-1	2011/12/19	第六批 SVHC
58	Bis(2-methoxyethyl) phthalate	鄰苯二甲酸二甲氧乙酯	117-82-8	204-212-6	2011/12/19	第六批 SVHC
59	2-Methoxyaniline; o-Anisidine	鄰甲氧基苯胺	90-04-0	201-963-1	2011/12/19	第六批 SVHC
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	對特辛基苯酚	140-66-9	205-426-2	2011/12/19	第六批 SVHC
61	1,2-Dichloroethane	1,2-二氯乙烷	107-06-2	203-458-1	2011/12/19	第六批 SVHC
62	Bis(2-methoxyethyl) ether	二甘醇二甲醚	111-96-6	203-924-4	2011/12/19	第六批 SVHC
63	Arsenic acid	砷酸	7778-39-4	231-901-9	2011/12/19	第六批 SVHC
64	Calcium arsenate	砷酸鈣	7778-44-1	231-904-5	2011/12/19	第六批 SVHC
65	Trilead diarsenate	砷酸鉛	3687-31-8	222-979-5	2011/12/19	第六批 SVHC

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66	N,N-dimethylacetamide (DMAC)	N,N-二甲基乙醯胺	127-19-5	204-826-4	2011/12/19	第六批 SVHC
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	4,4'-二氯基-3,3'-二氯二苯甲烷	101-14-4	202-918-9	2011/12/19	第六批 SVHC
68	Phenolphthalein	酚酞	77-09-8	201-004-7	2011/12/19	第六批 SVHC
69	Lead azide Lead diazide	疊氮化鉛	13424-46-9	236-542-1	2011/12/19	第六批 SVHC
70	Lead styphnate	收斂酸鉛	15245-44-0	239-290-0	2011/12/19	第六批 SVHC
71	Lead dipicrate	苦味酸鉛	6477-64-1	229-335-2	2011/12/19	第六批 SVHC
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	三甘醇二甲醚	112-49-2	203-977-3	2012/6/18	第七批 SVHC
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	乙二醇二甲醚	110-71-4	203-794-9	2012/6/18	第七批 SVHC
74	Diboron trioxide	三氧化二硼	1303-86-2	215-125-8	2012/6/18	第七批 SVHC
75	Formamide	甲醯胺	75-12-7	200-842-0	2012/6/18	第七批 SVHC
76	Lead(II) bis(methanesulfonate)	甲基磺酸鉛	17570-76-2	401-750-5	2012/6/18	第七批 SVHC
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	異氰尿酸三縮水甘油酯	2451-62-9	219-514-3	2012/6/18	第七批 SVHC
78	β-TGIC (1,3,5-tris((2S and 2R)-2,3-epoxypropyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	異氰尿酸β-三縮水甘油酯	59653-74-6	423-400-0	2012/6/18	第七批 SVHC
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	4,4'-(N,N-二甲氨基)二苯甲酮 (米氏酮)	90-94-8	202-027-5	2012/6/18	第七批 SVHC
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	4,4'-(二甲氨基)二苯基甲烷 (米氏鹽)	101-61-1	202-959-2	2012/6/18	第七批 SVHC
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I.	鹼性紫 3	548-62-9	208-953-6	2012/6/18	第七批 SVHC
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	鹼性藍 26	2580-56-5	219-943-6	2012/6/18	第七批 SVHC
83	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	溶劑藍 4	6786-83-0	229-851-8	2012/6/18	第七批 SVHC
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	α, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇	561-41-1	209-218-2	2012/6/18	第七批 SVHC
85	Pyrochlore, antimony lead yellow	顏料黃41 C.I. Pigment Yellow 41	8012-00-8	232-382-1	2012/12/19	第八批 SVHC
86	6-methoxy-m-toluidine (p-cresidine) (2-Methoxy-5-methylaniline)	2-甲氧基-5-甲基苯胺	120-71-8	204-419-1	2012/12/19	第八批 SVHC
87	Hexahydromethylphthalic anhydride , Hexahydro-4-methylphthalic anhydride , Hexahydro-1-methylphthalic anhydride , Hexahydro-3-methylphthalic anhydride	甲基六氫苯酐、4-甲基六氫苯酐、甲基六氫化鄰苯二甲酸酐、3-甲基六氫苯二甲酸酐	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	2012/12/19	第八批 SVHC
88	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	順環己烷-1,2-二羧酸酐 (六氫鄰苯二甲酸酐)	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	2012/12/19	第八批 SVHC
89	Dibutyltin dichloride (DBTC)	二丁基二氯化錫	683-18-1	211-670-0	2012/12/19	第八批 SVHC
90	Lead bis(tetrafluoroborate)	氟硼酸鉛	13814-96-5	237-486-0	2012/12/19	第八批 SVHC
91	Lead dinitrate	硝酸鉛	10099-74-8	233-245-9	2012/12/19	第八批 SVHC
92	Silicic acid, lead salt	矽酸鉛	11120-22-2	234-363-3	2012/12/19	第八批 SVHC
93	4-Aminoazobenzene	4-胺基偶氮苯	60-09-3	200-453-6	2012/12/19	第八批 SVHC
94	Lead titanium zirconium oxide	鈦酸鉛鋯	12626-81-2	235-727-4	2012/12/19	第八批 SVHC
95	Lead monoxide (lead oxide)	氧化鉛	1317-36-8	215-267-0	2012/12/19	第八批 SVHC
96	o-Toluidine	鄰甲基苯胺	95-53-4	202-429-0	2012/12/19	第八批 SVHC
97	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷	143860-04-2	421-150-7	2012/12/19	第八批 SVHC
98	Silicic acid (H2Si2O5), 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]	摻雜鉛的矽酸鋇	68784-75-8	272-271-5	2012/12/19	第八批 SVHC
99	Trilead bis(carbonate)dihydroxide	鹼式碳酸鉛	1319-46-6	215-290-6	2012/12/19	第八批 SVHC
100	Furan	呋喃	110-00-9	203-727-3	2012/12/19	第八批 SVHC
101	N,N-dimethylformamide	N,N-二甲基甲醯胺	68-12-2	200-679-5	2012/12/19	第八批 SVHC
102	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (covering well-defined substances and UVCB substances, polymers and homologues)	辛基酚聚醚-9，包括界定明確的物質以及UVCB物質、聚合物和同系物	-	-	2012/12/19	第八批 SVHC

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103	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]	支鏈及直鏈壬基酚-包括含有9個碳烷基鏈之所有獨立同分異構體及所有含有含直鏈或支鏈之9個碳烷基鏈UVCB物質	-	-	2012/12/19	第八批 SVHC
104	4,4'-methylenedi-o-toluidine	4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	212-658-8	2012/12/19	第八批 SVHC
105	Diethyl sulphate	硫酸二乙酯	64-67-5	200-589-6	2012/12/19	第八批 SVHC
106	Dimethyl sulphate	硫酸二甲酯	77-78-1	201-058-1	2012/12/19	第八批 SVHC
107	Lead oxide sulfate	鹼式硫酸鉛	12036-76-9	234-853-7	2012/12/19	第八批 SVHC
108	Lead titanium trioxide	鈦酸鉛	12060-00-3	235-038-9	2012/12/19	第八批 SVHC
109	Acetic acid, lead salt, basic	鹼式乙酸鉛	51404-69-4	257-175-3	2012/12/19	第八批 SVHC
110	[Phthalato(2-)]dioxotrilead	二鹽基鄰苯二甲酸鉛	69011-06-9	273-688-5	2012/12/19	第八批 SVHC
111	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	十溴聯苯醚	1163-19-5	214-604-9	2012/12/19	第八批 SVHC
112	N-methylacetamide	N-甲基乙酰胺	79-16-3	201-182-6	2012/12/19	第八批 SVHC
113	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	地樂酚	88-85-7	201-861-7	2012/12/19	第八批 SVHC
114	1,2-Diethoxyethane	乙二醇二乙醚	629-14-1	211-076-1	2012/12/19	第八批 SVHC
115	Tetralead trioxide sulphate	三鹼式硫酸鉛	12202-17-4	235-380-9	2012/12/19	第八批 SVHC
116	N-pentyl-isopentylphthalate	鄰苯二甲酸正戊基異戊基酯	776297-69-9	-	2012/12/19	第八批 SVHC
117	Dioxobis(stearato)trilead	雙(十八酸基)三氧化鉛	12578-12-0	235-702-8	2012/12/19	第八批 SVHC
118	Tetraethyllead	四乙基鉛	78-00-2	201-075-4	2012/12/19	第八批 SVHC
119	Pentalead tetraoxide sulphate	氧化鉛與硫酸鉛的複合物	12065-90-6	235-067-7	2012/12/19	第八批 SVHC
120	Pentacosafuorotridecanoic acid	全氟十三烷酸	72629-94-8	276-745-2	2012/12/19	第八批 SVHC
121	Tricosafuorododecanoic acid	全氟十二烷酸	307-55-1	206-203-2	2012/12/19	第八批 SVHC
122	Henicosafuoroundecanoic acid	全氟十一烷酸	2058-94-8	218-165-4	2012/12/19	第八批 SVHC
123	Heptacosafuorotetradecanoic acid	全氟十四烷酸	376-06-7	206-803-4	2012/12/19	第八批 SVHC
124	1-bromopropane (n-propyl bromide)	1-溴丙烷(正溴丙烷)	106-94-5	203-445-0	2012/12/19	第八批 SVHC
125	Methoxyacetic acid	甲氧基乙酸	625-45-6	210-894-6	2012/12/19	第八批 SVHC
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	2,4-二氨基甲苯	95-80-7	202-453-1	2012/12/19	第八批 SVHC
127	Methyloxirane (Propylene oxide)	環氧丙烷(1,2-環氧丙烷)	75-56-9	200-879-2	2012/12/19	第八批 SVHC
128	Trilead dioxide phosphonate	磷酸氧化鉛	12141-20-7	235-252-2	2012/12/19	第八批 SVHC
129	o-aminoazotoluene	鄰氨基偶氮甲苯	97-56-3	202-591-2	2012/12/19	第八批 SVHC
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	1,2-苯二羧二戊酯(支鏈和直鏈)	84777-06-0	284-032-2	2012/12/19	第八批 SVHC
131	4,4'-oxydianiline and its salts	4,4'-二氨基二苯醚	101-80-4	202-977-0	2012/12/19	第八批 SVHC
132	Orange lead (lead tetroxide)	四氧化三鉛	1314-41-6	215-235-6	2012/12/19	第八批 SVHC
133	Biphenyl-4-ylamine	4-氨基聯苯	92-67-1	202-177-1	2012/12/19	第八批 SVHC
134	Diisopentylphthalate(DIPP)	鄰苯二甲酸二異戊酯	605-50-5	210-088-4	2012/12/19	第八批 SVHC
135	Fatty acids, C16-18, lead salts	C16-18-脂肪酸鉛鹽	91031-62-8	292-966-7	2012/12/19	第八批 SVHC
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	偶氮二甲醯胺	123-77-3	204-650-8	2012/12/19	第八批 SVHC
137	Sulfurous acid, lead salt, dibasic	亞硫酸鉛(II)	62229-08-7	263-467-1	2012/12/19	第八批 SVHC
138	Lead cyanamidate	氨基氰鉛鹽	20837-86-9	244-073-9	2012/12/19	第八批 SVHC
139	Cadmium	鎘	7440-43-9	231-152-8	2013/6/20	第九批 SVHC
140	Cadmium oxide	氧化鎘	1306-19-0	215-146-2	2013/6/20	第九批 SVHC
141	Ammonium pentadecafluorooctanoate (APFO)	全氟辛酸銨	3825-26-1	223-320-4	2013/6/20	第九批 SVHC
142	Pentadecafluorooctanoic acid (PFOA)	全氟辛酸	335-67-1	206-397-9	2013/6/20	第九批 SVHC
143	Dipentyl phthalate (DPP)	鄰苯二甲酸二戊酯	131-18-0	205-017-9	2013/6/20	第九批 SVHC
144	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]	分支或線性的乙氧基壬基酚, 包括含有9個碳烷基鏈的所有獨立同分異構體和所有含有線性或分支9個碳烷基鏈的UVCB物質	-	-	2013/6/20	第九批 SVHC
145	Cadmium sulphide	硫化鎘(鎘黃)	215-147-8	1306-23-6	2013/12/16	第十批 SVHC

Item	化學物質名稱Substances	化學文摘號碼 CAS No.	歐洲委員會號碼 EC No.	歐盟發佈日期 Issue Date	Candidate_list
146	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)	直接黑 38 217-710-3	1937-37-7	2013/12/16	第十批 SVHC
147	Dihexyl phthalate	鄰苯二甲酸二己酯 201-559-5	84-75-3	2013/12/16	第十批 SVHC
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	1,2-亞乙基硫脲 202-506-9	96-45-7	2013/12/16	第十批 SVHC
149	Trixylyl phosphate	磷酸三(二甲苯)酯 246-677-8	25155-23-1	2013/12/16	第十批 SVHC
150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[4-aminonaphthalene-1-sulphonate] (C.I. Direct Red 28)	C.I.直接紅28 209-358-4	573-58-0	2013/12/16	第十批 SVHC
151	Lead di(acetate)	醋酸鉛 206-104-4	301-04-2	2013/12/16	第十批 SVHC
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and isomeric	鄰苯二甲酸二己酯(支鏈和直鏈) (DIHP) 68515-50-4	271-093-5	2014/6/16	第十一批 SVHC
153	Sodium perborate; perboric acid, sodium salt	過硼酸鈉 239-172-9; 234-390-0	-	2014/6/16	第十一批 SVHC
154	Sodium peroxometaborate	過氧偏硼酸鈉 7632-04-4	231-556-4	2014/6/16	第十一批 SVHC
155	Cadmium chloride	氯化鎘 10108-64-2	233-296-7	2014/6/16	第十一批 SVHC
156	Cadmium fluoride	氟化鎘 7790-79-6	232-222-0	2014/12/17	第十二批 SVHC
157	Cadmium sulphate	硫酸鎘 10124-36-4; 31119-53-6	233-331-6	2014/12/17	第十二批 SVHC
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	2-(2'-羥基-3',5'-二-叔-丁基苯基)-苯並三唑(紫外線吸收劑320) 3846-71-7	223-346-6	2014/12/17	第十二批 SVHC
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	2-(2'-羥基-3',5'-二-叔-戊基苯基)-苯並三唑(紫外線吸收劑328) 25973-55-1	247-384-8	2014/12/17	第十二批 SVHC
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	二正辛基-双(2-乙基己基巯基乙酸酯)錫 15571-58-1	239-622-4	2014/12/17	第十二批 SVHC
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)	二正辛基-双(2-乙基己基巯基乙酸酯)錫和單辛基-三(2-乙基己基巯基乙酸酯)錫的反應物 -	-	2014/12/17	第十二批 SVHC
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	鄰苯二甲酸二(C6-C6)烷基酯:(癸基,己基,辛基)酯與1,2-鄰苯二甲酸的複合物且鄰苯二甲酸二己酯含量≥0.3% 68515-51-5 68648-93-1	271-094-0 272-013-1	2015/6/16	第十三批 SVHC
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-仲丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二惡烷[1], 5-仲丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二惡烷[2] [覆蓋任何[1]和[2]或者其任意組合的單獨的異構體(卡拉花醛及其同分異構物)] -	-	2015/6/16	第十三批 SVHC