



**EIC SEMICONDUCTOR CO.,LTD.**

65, 68 Soi Chalongkrung 31, I-EA-T Free zone, Lat Krabang Industrial Estate, Lumplatiw, Lat Krabang, Bangkok 10520 Thailand

### **Declaration for REACH Regulation**

REACH concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (EC1907/2006) has entered into force on 1 June 2007, and will be phased in until 2018.

As of January 12, 2017, the ECHA had identified 173 “candidate” Substances of Very High Concern (SVHC).

It is anticipated that substances used in our products will be registered by raw material manufacturers within our supply chain. Based on our vendor supplied analyses, we declare that all semiconductor manufactured by EIC SEMICONDUCTOR and their packaging do not contain any of these SVHC’s in any concentration above 0.1%, and hereby certify that its products are in full compliance with all aspects of REACH Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Declaration for Part Number :  
**All Part Number**

EIC SEMICONDUCTOR CO.,LTD.

*Artittaya*

( Ms. Artittaya Penpaiboon )

Environmental Engineer

Date : May 11, 2017



## Candidate List of Substances of Very High Concern

No.	REACH SVHC (Date of inclusion 2008/10/28)	CAS No.	EC No.	Remark
1	Anthracene	120-12-7	204-371-1	No Used
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	No Used
3	Dibutyl phthalate (DBP)	84-74-2	201-557-4	No Used
4	Cobalt dichloride	7646-79-9	231-589-4	No Used
5	Diarsenic pentaoxide	1303-28-2	215-116-9	No Used
6	Diarsenic trioxide	1327-53-3	215-481-4	No Used
7	Sodium dichromate, dihydrate	7789-12-0 10588-01-9	234-190-3	No Used
8	5-tert-butyl-2,4,6-trinitrom-xylene (musk xylene)	81-15-2	201-329-4	No Used
9	Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	No Used
10	Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 134237-51-7 134237-50-6 164237-52-8	247-148-4	No Used
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	No Used
12	Bis(tributyltin)oxide	56-35-9	200-268-0	No Used
13	Lead hydrogen arsenate	7784-40-9	232-064-2	No Used
14	Triethyl arsenate	15606-95-8	427-700-2	No Used
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	No Used
No.	REACH SVHC (Date of inclusion 2010/1/13)	CAS No.	EC No.	Remark
16	2,4-Dinitrotoluene	121-14-2	204-450-0	No Used
17	Anthracene oil	90640-80-5	292-602-7	No Used
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	No Used
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	No Used
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	No Used
21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	No Used
22	Diisobutyl phthalate [DIBP]	84-69-5	201-553-2	No Used
23	Aluminosilicate, Refractory Ceramic Fibres	(650-017-00-8)	-	No Used
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres	(650-017-00-8)	-	No Used
25	Lead chromate	7758-97-6	231-846-0	No Used
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 11 104)	12656-85-8	235-759-9	No Used
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	No Used
28	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	No Used
29	Coal tar pitch, high temperature	65996-93-2	266-028-2	No Used
No.	REACH SVHC (Date of inclusion 2010/3/30)	CAS No.	EC No.	Remark
30	Acrylamide	79-06-1	201-173-7	No Used
No.	REACH SVHC (Date of inclusion 2010/6/18)	CAS No.	EC No.	Remark
31	Trichloroethylene	79-01-6	201-167-4	No Used

No.	REACH SVHC (Date of inclusion 2010/6/18)	CAS No.	EC No.	Remark
32	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	No Used
33	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	215-540-4	No Used
34	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	No Used
35	Sodium chromate	7775-11-3	231-889-5	No Used
36	Potassium chromate	7789-00-6	232-140-5	No Used
37	Ammonium dichromate	7789-09-5	232-143-1	No Used
38	Potassium dichromate	7778-50-9	231-906-6	No Used
No.	REACH SVHC (Date of inclusion 2010/12/15)	CAS No.	EC No.	Remark
39	Cobalt (II) sulphate	10124-43-3	233-334-2	No Used
40	Cobalt (II) dinitrate	10141-05-6	233-402-1	No Used
41	Cobalt (II) carbonate	513-79-1	208-169-4	No Used
42	Cobalt (II) diacetate	71-48-7	200-755-8	No Used
43	2-Methoxyethanol	109-86-4	203-713-7	No Used
44	2-Ethoxyethanol	110-80-5	203-804-1	No Used
45	Chromium trioxide	1333-82-0	215-607-8	No Used
46	Acids generated from chromium trioxide and their oligomers	-	-	No Used
	Chromic acid	7738-94-5	231-801-5	No Used
	Dichromic acid	13530-68-2	236-881-5	No Used
	Oligomers of chromic acid and dichromic acid	-	-	No Used
No.	REACH SVHC (Date of inclusion 2011/6/20)	CAS No.	EC No.	Remark
47	2-ethoxyethyl acetate	111-15-9	203-839-2	No Used
48	strontium chromate	7789-06-2	232-142-6	No Used
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	No Used
50	Hydrazine	7803-57-8 302-01-2	206-114-9	No Used
51	1-methyl-2-pyrrolidone	872-50-4	212-828-1	No Used
52	1,2,3-trichloropropane	96-18-4	202-486-1	No Used
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	No Used
No.	REACH SVHC (Date of inclusion 2011/12/19)	CAS No.	EC No.	Remark
54	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	No Used
55	Lead styphnate	15245-44-0	239-290-0	No Used
56	Dichromium tris(chromate)	24613-89-6	246-356-2	No Used
57	Phenolphthalein	77-09-8	201-004-7	No Used
58	Lead diazide, Lead azide	13424-46-9	236-542-1	No Used
59	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	No Used
60	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	No Used

No.	REACH SVHC (Date of inclusion 2011/12/19)	CAS No.	EC No.	Remark
61	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	No Used
62	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	No Used
63	1,2-dichloroethane	107-06-2	203-458-1	No Used
64	Trilead diarsenate	3687-31-8	222-979-5	No Used
65	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	No Used
66	Arsenic acid	7778-39-4	231-901-9	No Used
67	N,N-dimethylacetamide	127-19-5	204-826-4	No Used
68	Lead dipicrate	6477-64-1	229-335-2	No Used
69	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	No Used
70	Aluminosilicate Refractory Ceramic Fibres	-	-	No Used
71	<i>Bis(2-methoxyethyl) ether</i>	111-96-6	203-924-4	No Used
72	Calcium arsenate	7778-44-1	231-904-5	No Used
73	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-	No Used
No.	REACH SVHC (Date of inclusion 2012/06/18)	CAS No.	EC No.	Remark
74	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	No Used
75	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	No Used
76	[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)]	2580-56-5	219-943-6	No Used
77	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	No Used
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)]	548-62-9	208-953-6	No Used
79	Formamide	75-12-7	200-842-0	No Used
80	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	No Used
81	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)]	561-41-1	209-218-2	No Used
82	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	No Used
83	Diboron trioxide	1303-86-2	215-125-8	No Used
84	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	423-400-0	No Used
85	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	No Used
86	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)]	6786-83-0	229-851-8	No Used
No.	REACH SVHC (Date of inclusion 2012/12/19)	CAS No.	EC No.	Remark
87	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	No Used
88	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	No Used
89	Henicosfluoroundecanoic acid	2058-94-8	218-165-4	No Used

No.	REACH SVHC (Date of inclusion 2012/12/19)	CAS No.	EC No.	Remark
90	Hexahydromethylphthalic anhydride [1] Hexahydro-4-methylphthalic anhydride [2] Hexahydro-1-methylphthalic anhydride [3] Hexahydro-3-methylphthalic anhydride [4]  <i>[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]</i>	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	No Used
91	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3]  <i>[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]</i>	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	No Used
92	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	No Used
93	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	No Used
94	Lead dinitrate	10099-74-8	233-245-9	No Used
95	Silicic acid, lead salt	11120-22-2	234-363-3	No Used
96	4-Aminoazobenzene	60-09-3	200-453-6	No Used
97	Lead titanium zirconium oxide	12626-81-2	235-727-4	No Used
98	Lead monoxide (lead oxide)	1317-36-8	215-267-0	No Used
99	o-Toluidine	95-53-4	202-429-0	No Used
100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	No Used
101	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped <i>[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]</i>	68784-75-8	272-271-5	No Used
102	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	No Used
103	Furan	110-00-9	203-727-3	No Used
104	N,N-dimethylformamide	68-12-2	200-679-5	No Used
105	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	-	-	No Used
106	4-Nonylphenol, branched and linear <i>[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]</i>	-	-	No Used
107	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	No Used
108	Diethyl sulphate	64-67-5	200-589-6	No Used
109	Dimethyl sulphate	77-78-1	201-058-1	No Used
110	Lead oxide sulfate	12036-76-9	234-853-7	No Used
111	Lead titanium trioxide	12060-00-3	235-038-9	No Used
112	Acetic acid, lead salt, basic	51404-69-4	257-175-3	No Used
113	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	No Used

No.	REACH SVHC (Date of inclusion 2012/12/19)	CAS No.	EC No.	Remark
114	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	No Used
115	N-methylacetamide	79-16-3	201-182-6	No Used
116	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	No Used
117	1,2-Diethoxyethane	629-14-1	211-076-1	No Used
118	Tetralead trioxide sulphate	12202-17-4	235-380-9	No Used
119	N-pentyl-isopentylphthalate	776297-69-9	-	No Used
120	Dioxobis(stearato)trilead	12578-12-0	235-702-8	No Used
121	Tetraethyllead	78-00-2	201-075-4	No Used
122	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	No Used
123	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	No Used
124	Tricosafuorododecanoic acid	307-55-1	206-203-2	No Used
125	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	No Used
126	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	No Used
127	Methoxyacetic acid	625-45-6	210-894-6	No Used
128	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	No Used
129	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	No Used
130	Trilead dioxide phosphonate	12141-20-7	235-252-2	No Used
131	o-aminoazotoluene	97-56-3	202-591-2	No Used
132	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	No Used
133	4,4'-oxydianiline and its salts	101-80-4	202-977-0	No Used
134	Orange lead (lead tetroxide)	1314-41-6	215-235-6	No Used
135	Biphenyl-4-ylamine	92-67-1	202-177-1	No Used
136	Diisopentylphthalate	605-50-5	210-088-4	No Used
137	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	No Used
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	No Used
139	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	No Used
140	Lead cyanamidate	20837-86-9	244-073-9	No Used
No.	REACH SVHC (Date of inclusion 2013/06/20)	CAS No.	EC No.	Remark
141	Cadmium oxide	1306-19-0	215-146-2	No Used
142	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]	-	-	No Used
143	Cadmium	7440-43-9	231-152-8	No Used
144	Dipentyl phthalate (DPP)	131-18-0	205-017-9	No Used
145	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	No Used
146	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	No Used

No.	REACH SVHC (Date of inclusion 2013/12/16)	CAS No.	EC No.	Remark
147	Trixylyl phosphate	25155-23-1	246-677-8	No Used
148	Lead di(acetate)	301-04-2	206-104-4	No Used
149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9	No Used
150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	No Used
151	Cadmium sulphide	1306-23-6	215-147-8	No Used
152	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	217-710-3	No Used
153	Dihexyl phthalate	84-75-3	201-559-5	No Used
No.	REACH SVHC (Date of inclusion 2014/06/16)	CAS No.	EC No.	Remark
154	Cadmium chloride	10108-64-2	233-296-7	No Used
155	Sodium peroxometaborate	04-04-32	231-556-4	No Used
156	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	No Used
157	Sodium perborate; perboric acid, sodium salt	-	239-172-9; 234-390-0	No Used
No.	REACH SVHC (Date of inclusion 2014/06/16)	CAS No.	EC No.	Remark
158	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	No Used
159	Cadmium fluoride	7790-79-6	232-222-0	No Used
160	Cadmium sulphate	10124-36-4, 31119-53-6	233-331-6	No Used
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	No Used
162	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)	-	-	No Used
163	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	No Used
164	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	No Used
No.	REACH SVHC (Date of inclusion 2015/06/15)	CAS No.	EC No.	Remark
165	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]	-	-	No Used
166	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	No Used
No.	REACH SVHC (Date of inclusion 2015/12/17)	CAS No.	EC No.	Remark
167	1,3-propanesultone	1120-71-4	214-317-9	No Used
168	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	No Used
169	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	No Used
170	Nitrobenzene	98-95-3	202-716-0	No Used

No.	REACH SVHC (Date of inclusion 2015/12/17)	CAS No.	EC No.	Remark
171	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	No Used
No.	REACH SVHC (Date of inclusion 2016/06/20)	CAS No.	EC No.	Remark
172	Benzo[def]chrysene	50-32-8	200-028-5	No Used
No.	REACH SVHC (Date of inclusion 2017/01/12)	CAS No.	EC No.	Remark
173	4,4'-isopropylidenediphenol	80-05-7	201-245-8	No Used
174	4-Heptylphenol, branched and linear	-	-	No Used
175	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	-	No Used
176	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	No Used