



SAMSUNG Electro-Mechanics Co., Ltd.
150, Maeyeong-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, Korea 443-743

Dear, sir,

Supplier: Samsung Electro-Mechanics Co., Ltd
Subject: REACH Certificate of Compliance

Products (Passive components) from Samsung Electro-Mechanics do not contain more than 0.1% of product weight for each of 151 substances which are announced by ECHA as " Substances of Very High Concern (SVHC)".

Passive Products

Ceramic Chip Capacitors
Chip Resistor
Chip Inductor
Chip Bead
Tantalum Capacitors

We appreciate your continuous support and cooperation
Should you have questions, please feel free to contact us.

Sincerely yours,

Hwansoo Lee

HwanSoo Lee (Principal Engineer)
LCR Application Engineer
LCR Business Unit

Chifoon Choi
SAMSUNG ELECTRO-MECHANICS CO.,LTD.

Company Stamp

NO	Substance Name	CAS Number
1	Anthracene	120-12-7
2	4,4'- Diaminodiphenylmethane	101-77-9
3	Dibutyl phthalate (DBP)	84-74-2
4	Cobalt dichloride	7646-79-9
5	Diarsenic pentaoxide	1303-28-2
6	Diarsenic trioxide	1327-53-3
7	Sodium dichromate	7789-12-0
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2
9	Bis(2-ethyl(hexyl)phthalate) (DEHP)	117-81-7
10	Hexabromocyclododecane (HBCDD)	25637-99-4
11	Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins)	85535-84-8
12	Bis(tributyltin)oxide	56-35-9
13	Lead hydrogen arsenate	7784-40-9
14	Benzyl butyl phthalate (BBP)	85-68-7
15	Triethyl arsenate	15606-95-8
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	2,4-Dinitrotoluene	121-14-2
23	Diisobutyl phthalate	84-69-5
24	Lead chromate	7758-97-6
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8
26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2
27	tris(2-chloroethyl)phosphate	115-96-8
28	Acrylamide	1979-06-01
29	Trichloroethylene	1979-01-06
30	Boric acid	10043-35-3
		11113-50-1
31	Disodium tetraborate, anhydrous	1303-96-4
		1330-43-4
		12179-04-3
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1
33	Sodium chromate	7775-11-03
34	Potassium chromate	7789-00-6
35	Ammonium dichromate	7789-09-05
36	Potassium dichromate	7778-50-9

37	Cobalt(II) sulphate	10124-43-3
38	Cobalt(II) dinitrate	10141-05-6
39	Cobalt(II) carbonate	513-79-1
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	Chromic acid	7738-94-5
45	Dichromic acid	13530-68-2
46	Oligomers of chromic acid and dichromic acid	-
47	2-ethoxyethyl acetate	111-15-9
48	Strontium chromate	7789-06-02
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4
50	Hydrazine	7803-57-8
		302-01-2
51	1-methyl-2-pyrrolidone	872-50-4
52	1,2,3-trichloropropane	96-18-4
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP)	71888-89-6
54	Calcium arsenate	7778-44-1
55	Bis(2-methoxyethyl) ether	111-96-6
56	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9
57	Lead dipicrate	6477-64-1
58	N,N-dimethylacetamide (DMAC)	127-19-5
59	Arsenic acid	7778-39-4
60	2-Methoxyaniline; o-Anisidine	90-04-0
61	Trilead diarsenate	3687-31-8
62	1,2-Dichloroethane	107-06-2
63	Pentazinc chromate octahydroxide	49663-84-5
64	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4
65	Bis(2-methoxyethyl) phthalate	117-82-8
66	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9
67	Lead azide Lead diazide	13424-46-9
68	Phenolphthalein	1977-09-08
69	Dichromium tris(chromate)	24613-89-6
70	Lead styphnate	15245-44-0
71	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4
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

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	Bis(pentabromophenyl) ether (DecaBDE)	8012-00-8
86	Pentacosaflluorotridecanoic acid	120-71-8
87	Tricosaflluorododecanoic acid	2058-94-8
88	Henicosaflluoroundecanoic acid	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9
89	Heptacosaflluorotetradecanoic acid	85-42-7, 13149-00-3, 14166-21-3
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - <i>covering well-defined substances and UVCB substances, polymers and homologues</i>	683-18-1
91	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	13814-96-5
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	10099-74-8
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	11120-22-2
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	60-09-3
95	Methoxy acetic acid	12626-81-2
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	1317-36-8
97	Diisopentylphthalate (DIPP)	95-53-4
98	N-pentyl-isopentylphthalate	143860-04-2
99	1,2-Diethoxyethane	68784-75-8
100	N,N-dimethylformamide; dimethyl formamide	1319-46-6
101	Dibutyltin dichloride (DBT)	110-00-9
102	Acetic acid, lead salt, basic	68-12-2
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	-
104	Lead oxide sulfate (basic lead sulfate)	-

105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	838-88-0
106	Dioxobis(stearato)trilead	64-67-5
107	Fatty acids, C16-18, lead salts	77-78-1
108	Lead bis(tetrafluoroborate)	12036-76-9
109	Lead cyanamidate	12060-00-3
110	Lead dinitrate	51404-69-4
111	Lead oxide (lead monoxide)	69011-06-9
112	Lead tetroxide (orange lead)	1163-19-5
113	Lead titanium trioxide	79-16-3
114	Lead Titanium Zirconium Oxide	88-85-7
115	Pentalead tetraoxide sulphate	629-14-1
116	Pyrochlore, antimony lead yellow	12202-17-4
117	Silicic acid, barium salt, lead-doped	776297-69-9
118	Silicic acid, lead salt	12578-12-0
119	Sulfurous acid, lead salt, dibasic	78-00-2
120	Tetraethyllead	12065-90-6
121	Tetralead trioxide sulphate	72629-94-8
122	Trilead dioxide phosphonate	307-55-1
123	Furan	376-06-7
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	106-94-5
125	Diethyl sulphate	625-45-6
126	Dimethyl sulphate	95-80-7
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	75-56-9
128	Dinoseb	12141-20-7
129	4,4'-methylenedi-o-toluidine	97-56-3
130	4,4'-oxydianiline and its salts	84777-06-0
131	4-Aminoazobenzene; 4-Phenylazoaniline	101-80-4
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	1314-41-6
133	6-methoxy-m-toluidine (p-cresidine)	92-67-1
134	Biphenyl-4-ylamine	605-50-5
135	o-aminoazotoluene	91031-62-8
136	o-Toluidine; 2-Aminotoluene	123-77-3
137	N-methylacetamide	62229-08-7
138	1-bromopropane; n-propyl bromide	20837-86-9
139	Cadmium	7440-43-9
140	Cadmium oxide	1306-19-0
141	Ammonium pentadecafluooctanoate (APFO)	3825-26-1
142	Pentadecafluorooctanoic acid(PFOA)	335-67-1
143	Dipentyl phthalate(DPP)	131-18-0

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]	-
145	Cadmium sulphide	1306-23-6
146	Dihexyl phthalate	84-75-3
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0
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)	1937-37-7
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7
150	Lead di(acetate)	301-04-2
151	Trixylyl phosphate	25155-23-1