

Gemtek Technology Co.,Ltd

REACH Compliance Declaration

Dear customer:

Hereby declare and guarantee that all products listed as following are in compliance with the EU REACH (Registration, Evaluation, Authorization of Chemicals) directive on the restriction of the use of SVHC (Substances of Very High Concern) in electronic components.

EPM P/N(name)	Description(module)
SDC-MSD10G (04A)	MSD-10G radio module

We declare our products do not contain any of the following 73 SVHC substances in excess of 0.1%:"

SVHC List				
Item	SVHC	CAS No.	Content (PPM)	Comments
1	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm). c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight		<1000	
2	Calcium arsenate	7778-44-1	<1000	
3	Bis(2-methoxyethyl) ether	111-96-6	<1000	

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4	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm) c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight		<1000	
5	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	<1000	
6	Lead dipicrate	6477-64-1	<1000	
7	N,N-dimethylacetamide	127-19-5	<1000	
8	Arsenic acid	7778-39-4	<1000	
9	2-Methoxyaniline; o-Anisidine	90-04-0	<1000	
10	Trilead diarsenate	3687-31-8	<1000	
11	1,2-dichloroethane	107-06-2	<1000	
12	Pentazinc chromate octahydroxide	49663-84-5	<1000	
13	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	<1000	
14	Bis(2-methoxyethyl) phthalate	117-82-8	<1000	
15	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	<1000	
16	Lead diazide, Lead azide	13424-46-9	<1000	
17	Phenolphthalein	77-09-8	<1000	
18	Dichromium tris(chromate)	24613-89-6	<1000	
19	Lead styphnate	15245-44-0	<1000	
20	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	<1000	
21	Cobalt dichloride	7646-79-9	<1000	

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22	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	<1000	
23	1,2,3-Trichloropropane	96-18-4	<1000	
24	1-Methyl-2-pyrrolidone	872-50-4	<1000	
25	Hydrazine	302-01-2 / 7803-57-8	<1000	
26	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	<1000	
27	Strontium chromate	7789-06-2	<1000	
28	2-Ethoxyethyl acetate	111-15-9	<1000	
29	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	7738-94-5 - 13530-68-2	<1000	
30	Chromium trioxide	1333-82-0	<1000	
31	2-Ethoxyethanol	110-80-5	<1000	
32	2-Methoxyethanol	109-86-4	<1000	
33	Cobalt(II) diacetate	71-48-7	<1000	
34	Cobalt(II) carbonate	513-79-1	<1000	
35	Cobalt(II) dinitrate	10141-05-6	<1000	
36	Cobalt(II) sulphate	10124-43-3	<1000	
37	Sodium chromate	7775-11-3	<1000	
38	Potassium chromate	7789-00-6	<1000	
39	Ammonium dichromate	7789-09-5	<1000	
40	Potassium dichromate	7778-50-9	<1000	
41	Tetraboron disodium heptaoxide, hydrate	12267-73-1	<1000	
42	Disodium tetraborate, anhydrous	1303-96-4/ 1330-43-4/ 12179-04-3	<1000	
43	Boric acid	10043-35-3 / 11113-50-1	<1000	
44	Trichloroethylene	79-01-6	<1000	
45	Acrylamide	79-06-1	<1000	

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46	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions: a) Al ₂ O ₃ , SiO ₂ and ZrO ₂ are present within the following concentration ranges: Al ₂ O ₃ : 35 – 36 % w/w, and SiO ₂ : 47.5 – 50 % w/w, and ZrO ₂ : 15 - 17 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).	Extracted from Index no. 650-017-00-8	<1000	
47	Tris(2-chloroethyl)phosphate	115-96-8	<1000	
48	Pitch, coal tar, high temp.	65996-93-2	<1000	
49	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	<1000	
50	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	<1000	
51	Lead chromate	7758-97-6	<1000	
52	Diisobutyl phthalate	84-69-5	<1000	
53	Anthracene oil, anthracene paste, distn. lights	91995-17-4	<1000	
54	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	<1000	
55	Anthracene oil, anthracene paste	90640-81-6	<1000	
56	Anthracene oil, anthracene-low	90640-82-7	<1000	
57	Anthracene oil	90640-80-5	<1000	

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58	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:a) Al ₂ O ₃ and SiO ₂ are present within the following concentration ranges:Al ₂ O ₃ : 43.5 – 47 % w/w, and SiO ₂ : 49.5 – 53.5 % w/w, or Al ₂ O ₃ : 45.5 – 50.5 % w/w, and SiO ₂ : 48.5 – 54 % w/w,b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).	Extracted from Index no.: 650-017-00-8	<1000	
59	2,4-Dinitrotoluene	121-14-2	<1000	
60	Triethyl arsenate	15606-95-8	<1000	
61	Sodium dichromate	7789-12-0/ 10588-01-9	<1000	
62	Lead hydrogen arsenate	7784-40-9	<1000	
63	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	<1000	
64	Dibutyl phthalate (DBP)	84-74-2	<1000	
65	Diarsenic trioxide	1327-53-3	<1000	
66	Diarsenic pentaoxide	1303-28-2	<1000	
67	Bis(tributyltin)oxide (TBTO)	56-35-9	<1000	
68	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	<1000	
69	Benzyl butyl phthalate (BBP)	85-68-7	<1000	
70	Anthracene	120-12-7	<1000	
71	Alkanes, C ₁₀ -13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	<1000	

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72	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	<1000	
73	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	<1000	

Declared By: Gemtek Technology Co.,Ltd

Signature :  _____

Date : 6/11 ' 2012