

## Material Declaration Certificate

We hereby make declaration to our best knowledge that our products are free of SVHC (Substance of Very High Concern) of European Union REACH directive as listed below.

Item	Substance of Very High Concern	CAS number	EC number	Contained in Products? (Y / N)
1	Anthracene	120-12-7	204-371-1	N
2	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	N
3	Dibutyl phthalate	84-74-2	201-557-4	N
4	Cobalt dichloride	7646-79-9	231-589-4	N*
5	Diarsenic pentaoxide	1303-28-2	215-116-9	N
6	Diarsenic trioxide	1327-53-3	215-481-4	N
7	Sodium dichromate	7789-12-0 10588-01-9	234-190-3	N
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	N
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	N
10	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)	247-148-4 221-695-9	N
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	N
12	Bis(tributyltin)oxide	56-35-9	200-268-0	N
13	Lead hydrogen arsenate	7784-40-9	232-064-2	N
14	Triethyl arsenate	15606-95-8	427-700-2	N
15	Benzyl butyl phthalate	85-68-7	201-622-7	N
16	Anthracene oil	90640-80-5	292-602-7	N
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	N
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	N
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	N
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	N
21	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	N
22	2,4-Dinitrotoluene	121-14-2	204-450-0	N

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23	Coal tar pitch, high temperature	65996-93-2	266-028-2	N
24	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	N
25	Acrylamide	79-06-1	201-173-7	N
26	Lead chromate	7758-97-6	231-846-0	N
27	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	N
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	N
29	Ammonium dichromate	7789-09-5	232-143-1	N
30	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N
31	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	215-540-4	N
32	Potassium chromate	7789-00-6	232-140-5	N
33	Potassium dichromate	7778-50-9	231-906-6	N
34	Sodium chromate	7775-11-3	231-889-5	N
35	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	N
36	Trichloroethylene	79-01-6	201-167-4	N
37	Cobalt(II) sulphate	10124-43-3	233-334-2	N
38	Cobalt(II) dinitrate	10141-05-6	233-402-1	N
39	Cobalt(II) carbonate	513-79-1	208-169-4	N
40	Cobalt(II) diacetate	71-48-7	200-755-8	N
41	2-Methoxyethanol	109-86-4	203-713-7	N
42	2-Ethoxyethanol	110-80-5	203-804-1	N
43	Chromium trioxide	1333-82-0	215-607-8	N
44	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2 -	231-801-5 236-881-5 -	N

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45	2-ethoxyethyl acetate	111-15-9	203-839-2	N
46	Strontium chromate	7789-06-2	232-142-6	N
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and li near alkyl esters (DNHUP)	68515-42-4	271-084-6	N
48	Hydrazine	7803-57-8 302-01-2	206-114-9	N
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	N
50	1,2,3-trichloropropane	96-18-4	202-486-1	N
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	N
52	Lead dipicrate	6477-64-1	229-335-2	N
53	Lead styphnate	15245-44-0	239-290-0	N
54	Lead diazide, Lead azide	13424-46-9	236-542-1	N
55	Phenolphthalein	77-09-8	201-004-7	N
56	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	N
57	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N
58	Trilead diarsenate	3687-31-8	222-979-5	N
59	Calcium arsenate	7778-44-1	231-904-5	N
60	Arsenic acid	7778-39-4	231-901-9	N
61	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N
62	1,2-Dichloroethane	107-06-2	203-458-1	N

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63	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	N
64	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	N
65	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N
66	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	N
67	Aluminosilicate Refractory Ceramic Fibres	-	-	N
68	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	-	N
69	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	N
70	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	N
71	Dichromium tris(chromate)	24613-89-6	246-356-2	N
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	N
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	N
74	Diboron trioxide	1303-86-2	215-125-8	N
75	Formamide	75-12-7	200-842-0	N
76	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	N
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	N
78	$\beta$ -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	423-400-0	N

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79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	N
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	N
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	N
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	219-943-6	N
83	$\alpha, \alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	N
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	N
85	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	N
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	N
87	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	N
88	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	247-094-1 243-072-0 256-356-4 260-566-1	N
89	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	201-604-9 236-086-3 238-009-9	N
90	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	N

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91	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	N
92	Lead dinitrate	10099-74-8	233-245-9	N
93	Silicic acid, lead salt	11120-22-2	234-363-3	N
94	4-Aminoazobenzene	60-09-3	200-453-6	N
95	Lead titanium zirconium oxide	12626-81-2	235-727-4	N
96	Lead monoxide (lead oxide)	1317-36-8	215-267-0	N
97	o-Toluidine	95-53-4	202-429-0	N
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	N
99	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), 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	272-271-5	N
100	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	N
101	Furan	110-00-9	203-727-3	N
102	N,N-dimethylformamide	68-12-2	200-679-5	N
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	N

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104	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]	-	-	N
105	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	N
106	Diethyl sulphate	64-67-5	200-589-6	N
107	Dimethyl sulphate	77-78-1	201-058-1	N
108	Lead oxide sulfate	12036-76-9	234-853-7	N
109	Lead titanium trioxide	12060-00-3	235-038-9	N
110	Acetic acid, lead salt, basic	51404-69-4	257-175-3	N
111	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	N
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	N
113	N-methylacetamide	79-16-3	201-182-6	N
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	N
115	1,2-Diethoxyethane	629-14-1	211-076-1	N
116	Tetralead trioxide sulphate	12202-17-4	235-380-9	N
117	N-pentyl-isopentylphthalate	776297-69-9	-	N
118	Dioxobis(stearato)trilead	12578-12-0	235-702-8	N

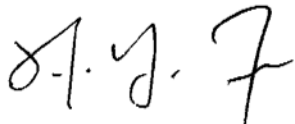
Item	Substance of Very High Concern	CAS number	EC number	Contained in Products? (Y / N)
119	Tetraethyllead	78-00-2	201-075-4	N
120	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	N
121	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	N
122	Tricosafuorododecanoic acid	307-55-1	206-203-2	N
123	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	N
124	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	N
125	Methoxyacetic acid	625-45-6	210-894-6	N
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	N
127	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	N
128	Trilead dioxide phosphonate	12141-20-7	235-252-2	N
129	o-aminoazotoluene	97-56-3	202-591-2	N
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	N
131	4,4'-oxydianiline and its salts	101-80-4	202-977-0	N
132	Orange lead (lead tetroxide)	1314-41-6	215-235-6	N
133	Biphenyl-4-ylamine	92-67-1	202-177-1	N
134	Diisopentylphthalate	605-50-5	210-088-4	N
135	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	N



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136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	N
137	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	N
138	Lead cyanamidate	20837-86-9	244-073-9	N
139	Cadmium	7440-43-9	231-152-8	N
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	N
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	N
142	Dipentyl phthalate (DPP)	131-18-0	205-017-9	N
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]	-	-	N
144	Cadmium oxide	1306-19-0	215-146-2	N
145	Cadmium sulphide	1306-23-6	215-147-8	N
146	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-bi phenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3	N
147	Dihexyl phthalate	84-75-3	201-559-5	N
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9	N
149	Trixylyl phosphate	25155-23-1	246-677-8	N

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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	N
151	Lead di(acetate)	301-04-2	206-104-4	N

\* Before April 2009, humidity indicating card and desiccant containing cobalt dichloride were used as a part of packing materials. Although such application had been phased out after April 2009, they may accompany with each current shipment until the depletion of inventory.

Signature: 

Name/Title: Hsiang Yun Fan / Vice President  
 Company name: Nuvoton Technology Corporation  
 Date: January 6, 2014

This Material Declaration Certificate will not constitute as a warranty or make Nuvoton sustain responsibilities or liabilities of any kind other than the terms and conditions of the agreement entered into by the Parties.