

## SVHC-Free Declaration

Dear Valued Customer,

Alfa-MOS Technology Corp. warrant that our products do not contain any of the substances designated by the European Chemicals Agency(ECHA) as Substances of Very High Concern(SVHC) appended below.

No	Chemical(English)	CAS No. (Chemical Abstract System Number)	Limitation
1	4,4'-Methyldianilin	101-77-9	N.D
2	5-tert-butyl-2,4,6-trinitro-mxylene	81-15-2	N.D
3	Alkanes, C10-13, chloro (Short chain chlorinated paraffins)	85535-84-8	N.D
4	anthracene	120-12-7	N.D
5	Diarsenic pentoxide	1303-28-2	N.D
6	diarsenic trioxide	1327-53-3	N.D
7	Di(2-ethylhexyl)phthalate DEHP	117-81-7	N.D
8	bis(tributyltin) oxide,hexabutyl-distannoxane (TBTO)	56-35-9	N.D
9	Benzylbutylphthalate (BBP)	85-68-7	N.D
10	cobalt(2+) dichloride	7646-79-9	N.D
11	Dibutylphthalate(DBP)	84-74-2	N.D
12	hexabromocyclododecane, 1,3,5,7,9,11-hexabromocyclododecane (HBCDD) ( $\alpha$ -HBCDD, $\beta$ HBCDD, $\gamma$ -HBCDD)	25637-99-4; 3194-556 (134237-51-7 134237-50-6, 134237-52-8)	N.D
13	lead hydrogen arsenate	7784-40-9	N.D
14	sodium dichromate, dihydrate	7789-12-0 10588-01-9	N.D
15	triethyl arsenate	15606-95-8	N.D
16	Anthracene oil	90640-80-5	N.D
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	N.D
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	N.D
19	Anthracene oil, anthracene-low	90640-82-7	N.D
20	Anthracene oil, anthracene paste	90640-81-6	N.D
21	Pitch, coal tar, high temp.	65996-93-2	N.D
22	tris(2-chloroethyl)phosphate	115-96-8	N.D
23	Aluminosilicate Refractory Ceramic Fibres	—	N.D
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres	—	N.D
25	2,4-Dinitrotoluene	121-14-2	N.D

26	Diisobutyl phthalate	84-69-5	N.D
27	Lead chromate molybdate sulphate red (C.I. Pigment Red104)	12656-85-8	N.D
28	Lead sulfochromate yellow (C.I.Pigment Yellow 34)	1344-37-2	N.D
29	Lead chromate	7758-97-6	N.D
30	Acrylamide	79-06-1	N.D
31	Trichloroethylene	79-01-6	N.D
32	Boric acid	10043-35-3 / 11113-50-1	N.D
33	Disodium tetraborate, anhydrous	1303-96-4/ 1330-43-4/ 12179-04-3	N.D
34	Tetraboron disodium heptaoxide, hydrate	12267-73-1	N.D
35	Sodium chromate	7775-11-3	N.D
36	Potassium chromate	7789-00-6	N.D
37	Ammonium dichromate	7789-09-5	N.D
38	Potassium dichromate	7778-50-9	N.D
39	Chromium trioxide	1333-82-0	N.D
40	Acids generated from chromium trioxide and their oligomers Group containing:Chromic acid	7738-94-5 13530-68-2	N.D
41	Cobalt(II) sulphate	10124-43-3	N.D
42	Cobalt(II) dinitrate	10141-05-6	N.D
43	Cobalt(II) carbonate	513-79-1	N.D
44	Cobalt(II) diacetate	71-48-7	N.D
45	2-Methoxyethanol	109-86-4	N.D
46	2-Ethoxyethanol Ethyleneglycolmonoethylether	110-80-5	N.D
47	2-ethoxyethylacetate	111-15-9	N.D
48	strontium chromate	7789-06-2	N.D
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	N.D
50	Hydrazine, anhydrate	302-01-2 7803-57-8	N.D
51	N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone	872-50-4	N.D
52	1,2,3-trichloropropane	96-18-4	N.D
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	N.D
54	Dichromium tris(chromate)	24613-89-6	N.D
55	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	N.D
56	Pentazinc chromate octahydroxide	49663-84-5	N.D
57	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	N.D

58	Zirconia Aluminosilicate Refractory Ceramic Fibres	—	N.D
59	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	N.D
60	Bis(2-methoxyethyl) phthalate	117-82-8	N.D
61	2-Methoxyaniline; o-Anisidine	90-04-0	N.D
62	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	N.D
63	1,2-Dichloroethane	107-06-2	N.D
64	Bis(2-methoxyethyl) ether	111-96-6	N.D
65	Arsenic acid	7778-39-4	N.D
66	Calcium arsenate	7778-44-1	N.D
67	Trilead diarsenate	3687-31-8	N.D
68	N,N-dimethylacetamide	127-19-5	N.D
69	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	N.D
70	Phenolphthalein	77-09-8	N.D
71	Lead azide Lead diazide	13424-46-9	N.D
72	Lead styphnate	15245-44-0	N.D
73	Lead dipicrate	6477-64-1	N.D
74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	N.D
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	N.D
76	Diboron trioxide	1303-86-2	N.D
77	Formamide	75-12-7	N.D
78	Lead(II) bis(methanesulfonate)	17570-76-2	N.D
79	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	N.D
80	$\beta$ -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	N.D
81	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	N.D
82	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	N.D
83	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	N.D

84	[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	N.D
85	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	N.D
86	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	N.D
87	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	N.D
88	Pentacosafuorotridecanoic acid	72629-94-8	N.D
89	Tricosafuorododecanoic acid	307-55-1	N.D
90	Henicosafuoroundecanoic acid	2058-94-8	N.D
91	Heptacosafuorotetradecanoic acid	376-06-7	N.D
92	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	-	N.D
93	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.D
94	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	N.D
95	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride-HHPA)	85-42-7	N.D
96	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic nhydride, Hexahydro-1-methylphthalic nhydride, Hexahydro-3-methylphthalic nhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	N.D
97	Methoxy acetic acid	625-45-6	N.D
98	1,2-Benzenedicarboxylic acid,dipentylester, branched and linear	84777-06-0	N.D
99	Diisopentylphthalate (DIPP)	605-50-5	N.D
100	N-pentyl-isopentylphtalate	-	N.D
101	1,2-Diethoxyethane	629-14-1	N.D
102	N,N-dimethylformamide; dimethyl formamide	68-12-2	N.D
103	Dibutyltin dichloride (DBT)	683-18-1	N.D
104	Acetic acid, lead salt, basic	51404-69-4	N.D
105	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	N.D
106	Lead oxide sulfatate (basic lead sulfate)	12036-76-9	N.D
107	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	N.D

108	Dioxobis(stearato)trilead	12578-12-0	N.D
109	Fatty acids, C16-18, lead salts	91031-62-8	N.D
110	Lead bis(tetrafluoroborate)	13814-96-5	N.D
111	Lead cyanamide	20837-86-9	N.D
112	Lead dinitrate	10099-74-8	N.D
113	Lead oxide (lead monoxide)	1317-36-8	N.D
114	Lead tetroxide (orange lead)	1314-41-6	N.D
115	Lead titanium trioxide	12060-00-3	N.D
116	Lead Titanium Zirconium Oxide	12626-81-2	N.D
117	Pentalead tetraoxide sulphate	12065-90-6	N.D
118	Pyrochlore, antimony lead yellow	8012-00-8	N.D
119	Silicic acid, barium salt, lead-doped	68784-75-8	N.D
120	Silicic acid, lead salt	11120-22-2	N.D
121	Sulfurous acid, lead salt, dibasic	62229-08-7	N.D
122	Tetraethyllead	78-00-2	N.D
123	Tetralead trioxide sulphate	12202-17-4	N.D
124	Trilead dioxide phosphonate	12141-20-7	N.D
125	Furan	110-00-9	N.D
126	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	N.D
127	Diethyl sulphate	64-67-5	N.D
128	Dimethyl sulphate	77-78-1	N.D
129	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	N.D
130	Dinoseb	88-85-7	N.D
131	4,4'-methylenedi-o-toluidine	838-88-0	N.D
132	4,4'-oxydianiline and its salts	101-80-4	N.D
133	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	N.D
134	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	N.D
135	6-methoxy-m-toluidine (p-cresidine)	120-71-8	N.D
136	Biphenyl-4-ylamine	92-67-1	N.D
137	o-aminoazotoluene 97-56	97-56-3	N.D
138	o-Toluidine; 2-Aminotoluene	95-53-4	N.D
139	N-methylacetamide	79-16-3	N.D
140	1-bromopropane; n-propyl bromide	106-94-5	N.D
141	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	N.D
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	N.D
143	Cadmium oxide	1306-19-0	N.D
144	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	N.D
145	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	N.D

146	Ammoniumpentadecafluorootanoate (APFO)	3825-26-1	N.D
147	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	N.D
148	Cadmium	7440-43-9	N.D
149	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.D
150	Dipentyl phthalate (DPP)	131-18-0	N.D
151	Cadmium sulphide	1306-23-6	N.D
152	Dihexyl phthalate	84-75-3	N.D
153	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	N.D
154	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	N.D
155	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	N.D
156	Lead di(acetate)	301-04-2	N.D
157	Trixylyl phosphate	25155-23-1	N.D
158	Cadmium chloride	10108-64-2	N.D
159	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	N.D
160	Sodium peroxometaborate	7632/4/4	N.D
161	Sodium perborate; perboric acid, sodium salt	-	N.D
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	-	N.D
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]	-	N.D
164	Nitrobenzene	98-95-3	N.D
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	N.D
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	N.D
167	1,3-propanesultone	1120-71-4	N.D

168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	N.D
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	N.D
170	4,4'-isopropylidenediphenol (bisphenol A, BPA)	80-05-7	N.D
171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	N.D
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	335-76-2 3108-42-7 3830-45-3	N.D
173	p-(1,1-dimethylpropyl)phenol	80-46-6	N.D
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	N.D
175	Chrysene	218-01-9	N.D
176	Benz[a]anthracene	56-55-3	N.D
177	Cadmium nitrate	10325-94-7	N.D
178	Cadmium hydroxide	21041-95-2	N.D
179	Cadmium carbonate	513-78-0	N.D
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	N.D
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	N.D
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	552-30-7	N.D
183	Benzo[ghi]perylene	191-24-2	N.D
184	Decamethylcyclopentasiloxane (D5)	541-02-6	N.D
185	Dicyclohexyl phthalate (DCHP)	84-61-7	N.D
186	Disodium octaborate	12008-41-2	N.D
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	N.D
188	Ethylenediamine (EDA)	107-15-3	N.D
189	Lead	7439-92-1	N.D
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	N.D
191	Terphenyl, hydrogenated	61788-32-7	N.D



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192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	N.D
193	Benzo[k]fluoranthene	207-08-9	N.D
194	Fluoranthene	206-44-0	N.D
195	Phenanthrene	85-01-8	N.D
196	Pyrene	129-00-0	N.D
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	N.D



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Gavin Liao / Vice President

Signed for and on behalf of Alfa-MOS Technology Corp.