TRINAMIC

Supplier's Confirmation - Regulation EC 1907/2006 (REACh)	Version 19.0

Supplier's Confirmation - Regulation EC 1907 / 2006 REACh regarding the candidate list for Substances of Very High Concern (SVHC)

TRINAMIC hereby confirms to its best knowledge based on information of its suppliers that integrated circuits and modules supplied by TRINAMIC, as per 01 May 2009, only contain substances as specified in the ECHA "SVHC Candidate List", published within the framework of the specification of the REACh Regulation 1907/2006 in October 2008 (updated in January 13, 2010) in quantities below the threshold values with regard to the mass of the respective products (per substance < 0.1%), or do not contain such substances at all.

There is 1 additional SVHC substance since March 30, 2010 and 8 additional SVHC substances since June 18, 2010 in the candidate list and 8 additional SVHC since December 15, 2010, and there are 7 additional SVHC since June 20, 2011, and there are 18 additional SVHC since December 19, 2011, and there are 13 additional SVHC since June 18, 2012, and there are 54 additional SVHC since December 19, 2012, and there are 6 additional SVHC since June 20, 2013, there are 7 additional SVHC since December 16, 2013, there are 4 additional SVHC since June 14, 2014, there are 6 additional SVHC since December 17, 2014, there are 2 additional SVHC since June 15, 2015, there are 5 additional SVHC since December 17, 2015, there are 1 additional SVHC since June, 2016, there are 4 additional SVHC since January 2017, there are 1 additional SVHC since July 2017, there are 7 additional SVHC since January 2018 there are additional 10 SVHC since July 2018, there are 6 additional SVHC since January 2019 thus making the total SVHC count in the candidate list to 197 SVHC.

We shall promptly inform you of any changes in as far as such are required for the continued safe utilisation of the products, as well as of potential amendments to the list of candidates as soon as we learn thereof.

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Supplier's Confirmation - Regulation EC 1907/2006 (REACh)

Version 19.0

List of Substances of Very High Concern: "SVHC Candidate List"

#	Substance	EC Number	CAS Number
1	4,4'-Diaminodiphenylmethan (MDA)	202-974-4	101-77-9
2	5-tert-butyl-2,4,6,trinitro-m-xylene (musk cylene / musk xylene)	201-329-4	81-15-2
3	Anthracene	204-371-1	120-12-7
4	Benzylbutylphthalate (BBP)	201-622-7	85-68-7
5	Bis-(2-ethyl(hexyl)phthalate (DEHP)	204-211-0	117-81-7
6	Bis(tribbutylin)oxide (TBTO)	200-268-0	56-35-9
7	C10-13 Alkanes chloro (short chain chlorinated parafins)	287-476-5	85535-84-8
8	Cobaltdichloride	231-589-4	7646-79-9
9	Diarsenicpentaoxide	215-116-9	1303-28-2
10	Diarsenictrioxide	215-481-4	1327-53-3
11	Dibutylphthalate (DBP)	201-557-4	84-74-2
12	Hexabromocyclododecane (HBCDD) (HBCDD) alle Isomere (alpha, beta, gamma)	247-148-4 221-695-9	25637-99-4 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)
13	Lead hydrogene arsenate (Bleihydrogenarsenat)	232-064-2	7784-40-9
14	Sodiumdichromate	234-190-3	7789-12-0 / 10588-01-9
15	Triethylarsenate	427-700-2	15606-95-8
16	Anthracene oil	292-602-7	90640-80-5
17	Anthracene oil, anthracene paste, distn. Lights	295-278-5	91995-17-4
18	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2
19	Anthracene oil, anthracene-low	292-604-8	90640-82-7
20	Anthracene oil, anthracene paste	292-603-2	90640-81-6
21	Coal tar pitch, high temperature	266-028-2	65996-93-2
22	Aluminiosilicate, Refractory Ceramic Fibres	650-017-00-8	
23	Zirconia Aluminosilicate, Refractory Ceramic Fibres	650-017-00-8	
24	2,4-Dinitrotoluene	204-450-0	121-14-2
25	Diisobutyl phthalate	201-553-2	84-69-5
26	Lead chromate	231-846-0	7758-97-6
27	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	235-759-9	12656-85-8
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	215-693-7	1344-37-2
29	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8
30	Acrylamide	201-173-7	79-06-1
31	Trichloroethylene	201-167-4	79-01-6
32	Boric acid	233-139-2 and 234-343-4	10043-35-3 and 11113-50-1
33	Disodium tetraborate, anhydrous	215-540-4	1303-96-4,1330-43-4,12179-04-3
34	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1
35	Potassium chromate	232-140-5	7789-00-6
36	Ammonium dichromate	232-143-1	7789-09-5
37	Potassium dichromate	231-906-6	7778-50-9
38	sodium chromate	231-889-5	7775-11-3
39	Cobalt(II) sulphate	233-334-2	10124-43-3
40	Cobalt(II) dinitrate	233-402-1	10141-05-6
41	Cobalt (II) carbonate	208-169-4	513-79-1
42	Cobalt(II) diacetate	200-755-8	71-48-7
43	2-Methoxyethanol	203-713-7	109-86-4
44	2-Ethoxyethanol	203-804-1	110-80-5
45	Chromium trioxide	215-607-8	1333-82-0
46	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2

47	2-ethoxyethyl acetate	203-839-2	111-15-9
48	strontium chromate	232-142-6	7789-06-2
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
50	Hydrazine	206-114-9	302-01-2 and 7803-57-8
51	1-methyl-2-pyrrolidone	212-828-1	872-50-4
52	1,2,3-trichloropropane	202-486-1	96-18-4
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6
54	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4
55	Pentazinc chromate octahydroxide	256-418-0	49663-84-5
56	Dichromium tris(chromate)	246-356-2	24613-89-6
57	Lead styphnate	239-290-0	15245-44-0
58	Lead diazide, Lead azide	236-542-1	13424-46-9
59	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9
60	Calcium arsenate	231-904-5	7778-44-1
61	Arsenic acid	231-901-9	7778-39-4
62	Lead dipicrate	229-335-2	6477-64-1
63	Trilead diarsenate	222-979-5	3687-31-8
64	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9
65	N,N-dimethylacetamide	204-826-4	127-19-5
66	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8
67	Bis(2-methoxyethyl) ether	203-924-4	111-96-6
68	1,2-dichloroethane	203-458-1	107-06-2
69	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4
70	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
71	Phenolphthalein	201-004-7	77-09-8
-	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	-
-	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	-
72	Formamide	200-842-0	75-12-7
73	[4-[[4-anilino-1-naphthyl][4 (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5
74	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
75	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8
76	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9
77	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0
78	Diboron trioxide	215-125-8	1303-86-2
79	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
80	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2
81	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1
82	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
83	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6
84	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9
85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8
87	Henicosafluoroundecanoic acid	218-165-4	2058-94-8
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]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9

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]	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3
90	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1
91	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5
92	Lead dinitrate	233-245-9	10099-74-8
93	Silicic acid, lead salt	234-363-3	11120-22-2
94	4-Aminoazobenzene	200-453-6	60-09-3
95	Lead titanium zirconium oxide	235-727-4	12626-81-2
96	Lead monoxide (lead oxide)	215-267-0	1317-36-8
97	o-Toluidine	202-429-0	95-53-4
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2
99	Silicic acid, barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for â€™toxicity for reproductionâ€™ 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]	272-271-5	68784-75-8
100	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6
101	Furan	203-727-3	110-00-9
102	N,N-dimethylformamide	200-679-5	68-12-2
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymers and homologues	-	-
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	-	-
105	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0
106	Diethyl sulphate	200-589-6	64-67-5
107	Dimethyl sulphate	201-058-1	77-78-1
108	Lead oxide sulfate	234-853-7	12036-76-9
109	Lead titanium trioxide	235-038-9	12060-00-3
110	Acetic acid, lead salt, basic	257-175-3	51404-69-4
111	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5
113	N-methylacetamide	201-182-6	79-16-3
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7
115	1,2-Diethoxyethane	211-076-1	629-14-1
116	Tetralead trioxide sulphate	235-380-9	12202-17-4
117	N-pentyl-isopentylphthalate	-	776297-69-9
118	Dioxobis(stearato)trilead	235-702-8	12578-12-0
119	Tetraethyllead	201-075-4	78-00-2
120	Pentalead tetraoxide sulphate	235-067-7	12065-90-6
121	Pentacosafluorotridecanoic acid	276-745-2	72629-94-8
122	Tricosafluorododecanoic acid	206-203-2	307-55-1
123	Heptacosafluorotetradecanoic acid	206-803-4	376-06-7
124	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5
125	Methoxyacetic acid	210-894-6	625-45-6
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7
127	Methyloxirane (Propylene oxide)	200-879-2	75-56-9
128	Trilead dioxide phosphonate	235-252-2	12141-20-7
129	o-aminoazotoluene	202-591-2	97-56-3
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4
132	Orange lead (lead tetroxide)	215-235-6	1314-41-6
133	Biphenyl-4-ylamine	202-177-1	92-67-1
134	Diisopentylphthalate	210-088-4	605-50-5

135	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3
137	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7
138	Lead cyanamidate	244-073-9	20837-86-9
139	Cadmium	231-152-8	7440-43-9
140	Cadmium oxide	215-146-2	1306-19-0
141	Dipentyl phthalate (DPP)	205-017-9	131-18-0
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]	-	-
143	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1
144	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1
145	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7
146	Dihexyl phthalate	201-559-5	84-75-3
147	Cadmium sulphide	215-147-8	1306-23-6
148	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0
149	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)	217-710-3	1937-37-7
150	Trixylyl phosphate	246-677-8	25155-23-1
151	Lead di(acetate)	206-104-4	301-04-2
152	Cadmium chloride	233-296-7	10108-64-2
153	Sodium peroxometaborate	231-556-4	7632-04-4
154	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8
157	Cadmium sulphate	10124-36-4 31119-53-6	233-331-6
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6
159	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)	-	-
160	Cadmium fluoride	7790-79-6	232-222-0
161	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4
162	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)	271-094-0 272-013-1	68515-51-5 68648-93-1
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]	-	-
164	1,3-propanesultone	214-317-9	1120-71-4
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3
167	Nitrobenzene	202-716-0	98-95-3
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4
169	Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8

170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	201-245-8	80-05-7
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3, 221-470-5	335-76-2, 3830-45-3, 3108-42-7
172	*p*-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6
173	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]	-	-
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-
175	Chrysene	205-923-4	218-01-9, 1719-03-5
176	Benz[a]anthracene	200-280-6	56-55-3, 178-53-2
177	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7
178	Cadmium hydroxide	244-168-5	21041-95-2
179	Cadmium carbonate	208-168-9	513-78-0
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"TM) [covering any of its individual anti- and syn-isomers or any combinationthereof]	-	-
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]	-	-
182	Terphenyl, hydrogenated	262-967-7	61788-32-7
183	Octamethylcyclotetrasiloxane [D4]	209-136-7	556-67-2
184	Lead	231-100-4	7439-92-1
185	Ethylenediamine [EA]	203-468-6	107-15-3
186	Dodecamethylcyclohexasiloxane [D6]	208-762-8	540-97-6
187	Disodium octaborate	234-541-0	12008-41-2
188	Dicyclohexyl phthalate [DCHP]	201-545-9	84-61-7
189	Decamethylcyclopentasiloxane [D5]	208-764-9	541-02-6
190	Benzo[ghi]perylene	205-883-8	191-24-2
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride [trimellitic anhydride; TMA]	209-008-0	552-30-7
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 3-benzylidene camphor; 3-BC	239-139-9	15087-24-8
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6
194	Benzo[k]fluoranthene	205-916-6	207-08-9
195	Fluoranthene	205-912-4	206-44-0; 93951-69-0
196	Phenanthrene	201-581-5	85-01-8
197	Pyrene	204-927-3	129-00-0; 1718-52-1

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