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## COMMUNICATION FOR CUSTOMERS

**From:** **Wuerth Elektronik Stelvio Kontek S.p.A.**

**To:** **whom it may concern**

**Date of issue:** **21<sup>st</sup> December 2015**

**Revision:** **16**

**Subject:** **regulation (EC) nr. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of chemicals (so called REACH)**

*Dear Customer,*

this communication has been prepared to inform you about the news, which concern the regulation in object and, as we think, if you already know it, to make you sure that Wuerth Elektronik Stelvio Kontek is working to guarantee to the market that its production is and will be in accordance with the current European legislation.

With this short document we want answer to the most common questions we are receiving from the market in the latest months and we want to continue the work we started with our first communication (issue: July, 03 2008 - revision: 00); second communication (issue: March, 16 2009 - revision: 01); third communication (issue: December, 02 2009 - revision: 02); fourth communication (issue: February, 11 2010 - revision 03); fifth communication (issue: June, 22 2010 - revision 04); sixth communication (issue: December, 2 2010 - revision 05); seventh communication (issue: February, 22 2011 - revision 06); eighth communication (issue: July, 6 2011 - revision 07); ninth communication (issue: March, 15 2012 - revision 08); tenth communication (issue: July, 25 2012 - revision 09); eleventh communication (issue: January, 31 2013 - revision 10); twelfth communication (issue: June, 27 2013 - revision 11); thirteenth communication (issue: December, 17 2013 - revision 12); fourteenth communication (issue: June, 30 2014 - revision 13); fifteenth communication (issue: December, 19 2014 - revision 14) and sixteenth communication (issue: June, 24 2015 - revision 15). .

ECHA (*European Chemicals Agency*) worked about the so-called SVHC (*Substances of Very High Concern*) and in the month of November 2008, we had the first "Candidate List" of this kind of substances.

Then ECHA published Second List of SVHC on its website on 1 September 2009. The 15 SVHCs include nine SVHCs that have carcinogenic, mutagenic and/or reprotoxic (CMR) properties and five that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB). One substance - high temperature coal tar pitch - is categorised as both CMR and PBT.

Shareholders had the right to give their own opinions on the candidate list within 45 days - by 15 October 2009. The second list of SVHC was predicted to be finally determined by 14 December. The substances nominated covered extensive businesses, including coating, paint, plasticiser, flame-retardants and so on. So companies had to prepare themselves as early as possible to minimise the negative impacts of REACH.

On the 13<sup>th</sup> January 2010, the European Chemical Agency, ECHA, up-dated the so called Candidate List with 14 new substances and up-dated it again on 30<sup>th</sup> March 2010, on 18<sup>th</sup> June 2010, on 15<sup>th</sup> December 2010, on 20<sup>th</sup> June 2011, on 19<sup>th</sup> December 2011 on 18<sup>th</sup> June 2012, on 19<sup>th</sup> December 2012, on 20<sup>th</sup> June 2013, on 16<sup>th</sup> December 2013, on 16<sup>th</sup> June 2014, on 17<sup>th</sup> December 2014 on 15<sup>th</sup> June 2015 and on 17<sup>th</sup> December 2015.

At present, 168 substances have been included in the candidate list, and the substances are listed in the table below:

Pr.	Substance Name	EC Number	CAS Number	Reason for inclusion
1	1,2,3-Trichloropropane	202-486-1	96-18-4	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
2	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	Toxic for reproduction (article 57c)
3	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	Toxic for reproduction (article 57c)
4	1,2-dichloroethane	203-458-1	107-06-2	Carcinogenic (article 57 a)
5	1-Methyl-2-pyrrolidone	212-828-1	872-50-4	Toxic for reproduction (article 57c)
6	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	Carcinogenic (article 57 a)
7	2,4-Dinitrotoluene	204-450-0	121-14-2	Carcinogenic (article 57a)
8	2-Ethoxyethanol	203-804-1	110-80-5	Toxic for reproduction (article 57c)
9	2-Ethoxyethyl acetate	203-839-2	111-15-9	Toxic for reproduction (article 57c)
10	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	Carcinogenic (article 57 a)
11	2-Methoxyethanol	203-713-7	109-86-4	Toxic for reproduction (article 57c)
12	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	Equivalent level of concern having probable serious effects to the environment (article 57 f)
13	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	Carcinogenic (article 57a)
14	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	vPvB (article 57e)
15	Acids generated from chromium trioxide and their oligomers	231-801-5, 236-881-5	7738-94-5, 13530-68-2	Carcinogenic (article 57 a)
16	Acrylamide	201-173-7	79-06-1	Carcinogenic and mutagenic (articles 57 a and 57 b)
17	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	PBT and vPvB (articles 57 d and 57 e)
18	Aluminosilicate Refractory Ceramic Fibres**			Carcinogenic (article 57a)
19	Aluminosilicate Refractory Ceramic Fibres	-	Extracted from Index no.: 650-017-00-8	Carcinogenic (article 57a)
20	Ammonium dichromate	232-143-1	2151163	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
21	Anthracene	204-371-1	120-12-7	PBT (article 57d)
22	Anthracene oil	292-602-7	90640-80-5	Carcinogenic[1], PBT and vPvB (articles 57a, 57d and 57e)
23	Anthracene oil, anthracene paste*	292-603-2	90640-81-6	Carcinogenic[2], mutagenic[3], PBT and vPvB (articles 57a, 57b, 57d and 57e)
24	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	Carcinogenic[2], mutagenic[3], PBT and vPvB (articles 57a, 57b, 57d and 57e)
25	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	Carcinogenic[2], mutagenic[3], PBT and vPvB (articles 57a, 57b, 57d and 57e)

Pr.	Substance Name	EC Number	CAS Number	Reason for inclusion
26	Anthracene oil, anthracene-low	292-604-8	90640-82-7	Carcinogenic[2], mutagenic[3], PBT and vPvB (articles 57a, 57b, 57d and 57e)
27	Arsenic acid	231-901-9	7778-39-4	Carcinogenic (article 57 a)
28	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	Toxic for reproduction (article 57c)
29	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	Toxic for reproduction (article 57c)
30	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	Toxic for reproduction (article 57 c)
31	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	Toxic for reproduction (article 57 c)
32	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	PBT (article 57d)
33	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	Toxic for reproduction (article 57 c)
34	Calcium arsenate	231-904-5	7778-44-1	Carcinogenic (article 57 a)
35	Chromium trioxide	215-607-8	1333-82-0	Carcinogenic and mutagenic (articles 57 a and 57 b)
36	Cobalt dichloride	231-589-4	7646-79-9	Carcinogenic (article 57a)
37	Cobalt(II) carbonate	208-169-4	513-79-1	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
38	Cobalt(II) diacetate	200-755-8	71-48-7	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
39	Cobalt(II) dinitrate	233-402-1	10141-05-6	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
40	Cobalt(II) sulphate	233-334-2	10124-43-3	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
41	Diarsenic pentaoxide	215-116-9	1303-28-2	Carcinogenic (article 57a)
42	Diarsenic trioxide	215-481-4	1327-53-3	Carcinogenic (article 57a)
43	Dibutyl phthalate (DBP)	201-557-4	84-74-2	Toxic for reproduction (article 57c)
44	Dichromium tris(chromate)	246-356-2	24613-89-6	Carcinogenic (article 57 a)
45	Diisobutyl phthalate	201-553-2	84-69-5	Toxic for reproduction (article 57c)
46	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	Toxic for reproduction (article 57 c)
47	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	Carcinogenic (article 57 a)
48	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	247-148-4 and 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	PBT (article 57d)
49	Hydrazine	206-114-9	302-01-2, 7803-57-8	Carcinogenic (article 57a)
50	Lead chromate	231-846-0	7758-97-6	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
51	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
52	Lead diazide, Lead azide	236-542-1	13424-46-9	Toxic for reproduction (article 57 c)
53	Lead dipicrate	229-335-2	6477-64-1	Toxic for reproduction (article 57 c)
54	Lead hydrogen arsenate	232-064-2	7784-40-9	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
55	Lead styphnate	239-290-0	15245-44-0	Toxic for reproduction (article 57 c)
56	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	Carcinogenic and toxic for reproduction (articles 57 a and 57 c))
57	N,N-dimethylacetamide	204-826-4	127-19-5	Toxic for reproduction (article 57 c)
58	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	Carcinogenic (article 57 a)
59	Phenolphthalein	201-004-7	77-09-8	Carcinogenic (article 57 a)
60	Pitch, coal tar, high temperature.	266-028-2	65996-93-2	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)
61	Potassium chromate	232-140-5	7789-00-6	Carcinogenic and mutagenic (articles 57 a and 57 b).
62	Potassium dichromate	231-906-6	7778-50-9	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)

Pr.	Substance Name	EC Number	CAS Number	Reason for inclusion
63	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	Carcinogenic (article 57 a)
64	Sodium chromate	231-889-5	2146108	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
65	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	Carcinogenic, mutagenic and toxic for reproduction (articles 57a, 57b and 57c)
66	Strontium chromate	232-142-6	2151068	Carcinogenic (article 57a)
67	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	Toxic for reproduction (article 57 c)
68	Trichloroethylene	201-167-4	79-01-6	Carcinogenic (article 57 a)
69	Triethyl arsenate	427-700-2	15606-95-8	Carcinogenic (article 57a)
70	Trilead diarsenate	222-979-5	3687-31-8	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
71	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	Toxic for reproduction (article 57c)
72	Zirconia Aluminosilicate Refractory Ceramic Fibres	-		Carcinogenic (article 57a)
73	Zirconia Aluminosilicate Refractory Ceramic Fibres***	-	Extracted from Index no. 650-017-00-8	Carcinogenic (article 57a)
74	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride	219-943-6	2580-56-5	Carcinogenic (Article 57a)
75	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	208-953-6	548-62-9	Carcinogenic (Article 57a)
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	Toxic for reproduction (Article 57 c)
77	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Toxic for reproduction (Article 57 c)
78	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	Mutagenic (Article 57b)
79	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (I <sup>2</sup> -TGIC)	423-400-0	59653-74-6	Mutagenic (Article 57b)
80	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone]	209-218-2	561-41-1	Carcinogenic (Article 57a)
81	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	Carcinogenic (Article 57a)
82	Diboron trioxide	215-125-8	1303-86-2	Toxic for reproduction (Article 57 c)
83	Formamide	200-842-0	75-12-7	Toxic for reproduction (Article 57 c)
84	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol	229-851-8	6786-83-0	Carcinogenic (Article 57a)
85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	Toxic for reproduction (Article 57 c)
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	Carcinogenic (Article 57a)
87	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	vPvB (Article 57 e)
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	Equivalent level of concern having probable serious effects to human health (Article 57 f)
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3]	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	Equivalent level of concern having probable serious effects to human health (Article 57 f)
90	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	Toxic for reproduction (Article 57 c)
91	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	Toxic for reproduction (Article 57 c)
92	Lead dinitrate	233-245-9	10099-74-8	Toxic for reproduction (Article 57 c)
93	Silicic acid, lead salt	234-363-3	11120-22-2	Toxic for reproduction (Article 57 c)
94	4-Aminoazobenzene	200-453-6	60-09-3	Carcinogenic (Article 57a)

Pr.	Substance Name	EC Number	CAS Number	Reason for inclusion
95	Lead titanium zirconium oxide	235-727-4	12626-81-2	Toxic for reproduction (Article 57 c)
96	Lead monoxide (lead oxide)	215-267-0	1317-36-8	Toxic for reproduction (Article 57 c)
97	o-Toluidine	202-429-0	95-53-4	Carcinogenic (Article 57a)
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	Toxic for reproduction (Article 57 c)
99	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	272-271-5	68784-75-8	Toxic for reproduction (Article 57 c)
100	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	Toxic for reproduction (Article 57 c)
101	Furan	203-727-3	110-00-9	Carcinogenic (Article 57a)
102	N,N-dimethylformamide	200-679-5	68-12-2	Toxic for reproduction (Article 57 c)
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	-	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
104	4-Nonylphenol, branched and linear	-	-	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
105	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	Carcinogenic (Article 57a)
106	Diethyl sulphate	200-589-6	64-67-5	Carcinogenic (Article 57a); Mutagenic (Article 57b)
107	Dimethyl sulphate	201-058-1	77-78-1	Carcinogenic (Article 57a)
108	Lead oxide sulfate	234-853-7	12036-76-9	Toxic for reproduction (Article 57 c)
109	Lead titanium trioxide	235-038-9	12060-00-3	Toxic for reproduction (Article 57 c)
110	Acetic acid, lead salt, basic	257-175-3	51404-69-4	Toxic for reproduction (Article 57 c)
111	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	Toxic for reproduction (Article 57 c)
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	PBT (Article 57 d); vPvB (Article 57 e)
113	N-methylacetamide	201-182-6	79-16-3	Toxic for reproduction (Article 57 c)
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	Toxic for reproduction (Article 57 c)
115	1,2-Diethoxyethane	211-076-1	629-14-1	Toxic for reproduction (Article 57 c)
116	Tetralead trioxide sulphate	235-380-9	12202-17-4	Toxic for reproduction (Article 57 c)
117	N-pentyl-isopentylphthalate	-	776297-69-9	Toxic for reproduction (Article 57 c)
118	Dioxobis(stearato)trilead	235-702-8	12578-12-0	Toxic for reproduction (Article 57 c)
119	Tetraethyllead	201-075-4	78-00-2	Toxic for reproduction (Article 57 c)
120	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	Toxic for reproduction (Article 57 c)
121	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	vPvB (Article 57 e)
122	Tricosafuorododecanoic acid	206-203-2	307-55-1	vPvB (Article 57 e)
123	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	vPvB (Article 57 e)
124	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	Toxic for reproduction (Article 57 c)
125	Methoxyacetic acid	210-894-6	625-45-6	Toxic for reproduction (Article 57 c)
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	Carcinogenic (Article 57a)
127	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	Carcinogenic (Article 57a); Mutagenic (Article 57b)
128	Trilead dioxide phosphonate	235-252-2	12141-20-7	Toxic for reproduction (Article 57 c)
129	o-aminoazotoluene	202-591-2	97-56-3	Carcinogenic (Article 57a)
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	Toxic for reproduction (Article 57 c)
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	Carcinogenic (Article 57a); Mutagenic (Article 57b)
132	Orange lead (lead tetroxide)	215-235-6	1314-41-6	Toxic for reproduction (Article 57 c)
133	Biphenyl-4-ylamine	202-177-1	92-67-1	Carcinogenic (Article 57a)
134	Diisopentylphthalate	210-088-4	605-50-5	Toxic for reproduction (Article 57 c)
135	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	Toxic for reproduction (Article 57 c)
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	Equivalent level of concern having probable serious effects to human health (Article 57 f)

Pr.	Substance Name	EC Number	CAS Number	Reason for inclusion
137	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	Toxic for reproduction (Article 57 c)
138	Lead cyanamidate	244-073-9	20837-86-9	Toxic for reproduction (Article 57 c)
139	Cadmium	231-152-8	7440-43-9	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
140	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
141	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
142	Dipentyl phthalate (DPP)	205-017-9	131-18-0	Toxic for reproduction (Article 57 c);
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]	-	-	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
144	Cadmium oxide	215-146-2	1306-19-0	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
145	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7	Toxic for reproduction (Article 57 c);
146	Dihexyl phthalate	201-559-5	84-75-3	Toxic for reproduction (Article 57 c);
147	Cadmium sulphide	215-147-8	1306-23-6	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
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	Carcinogenic (Article 57a);
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	Carcinogenic (Article 57a);
150	Trixylyl phosphate	246-677-8	25155-23-1	Toxic for reproduction (Article 57 c);
151	Lead di(acetate)	206-104-4	301-04-2	Toxic for reproduction (Article 57 c);
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	Toxic for reproduction (Article 57 c)
153	Cadmium chloride	233-296-7	10108-64-2	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
154	Sodium peroxometaborate	231-556-4	7632-04-4	Toxic for reproduction (Article 57 c)
155	Sodium perborate; perboric acid, sodium salt	223-346-6	3846-71-7	Toxic for reproduction (Article 57 c)
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	239-622-4	15571-58-1	PBT (Article 57 d); vPvB (Article 57 e)
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	-	-	Toxic for reproduction (Article 57 c)
158	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)	247-384-8	25973-55-1	Toxic for reproduction (Article 57 c)
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	232-222-0	7790-79-6	PBT (Article 57 d); vPvB (Article 57 e)

Pr.	Substance Name	EC Number	CAS Number	Reason for inclusion
160	Cadmium fluoride	233-331-6	10124-36-4; 31119-53-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
161	Cadmium sulphate	223-346-6	3846-71-7	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
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)	271-094-0; 272-013-1	68515-51-5; 68648-93-1	Toxic for reproduction (Article 57 c)
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]	---	---	vPvB (Article 57e)
164	1,3-propanesultone	214-317-9	1120-71-4	Carcinogenic (Article 57 a)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	vPvB (Article 57 e)
167	Nitrobenzene	202-716-0	98-95-3	Toxic for reproduction (Article 57 c)
168	Perfluoronon-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 - 21049-39-8 - 4149-60-4	Toxic for reproduction (Article 57 c) PBT (Article 57 d)

\* *the EC number includes both anhydrous and hydrated forms of a substance and consequently the entries cover both these forms. The CAS number included may be for the anhydrous form only, and therefore the CAS number shown does not always describe the entry accurately.*

\*\* *are fibers 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, labeling and packaging of substances and mixtures, and fulfill the two following conditions:*

*a) Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> are present within the following concentration ranges:*

- Al<sub>2</sub>O<sub>3</sub>: 43.5 – 47 % w/w, and SiO<sub>2</sub>: 49.5 – 53.5 % w/w,*

*or*

- Al<sub>2</sub>O<sub>3</sub>: 45.5 – 50.5 % w/w, and SiO<sub>2</sub>: 48.5 – 54 % w/w,*

*b) fibers have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometers ( $\mu\text{m}$ ).*

\*\*\* *are fibers 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, labeling and packaging of substances and mixtures, and fulfill the two following conditions:*

*a) Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub> and ZrO<sub>2</sub> are present within the following concentration ranges:*

- Al<sub>2</sub>O<sub>3</sub>: 35 – 36 % w/w, and*
- SiO<sub>2</sub>: 47.5 – 50 % w/w, and*
- ZrO<sub>2</sub>: 15 - 17 % w/w,*

*b) fibers have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometers ( $\mu\text{m}$ ).*

As you know we are manufacturers of electromechanical components used both for Industrial and for Consumer Electronics. The main products are:

- ◇ terminal block and connectors
- ◇ fuse holders
- ◇ wire to board
- ◇ magnetic sensors.

Generally these products are composed from an insulating plastic body, from metallic parts (copper alloy, steel) punched and then galvanized (nickel, tin, silver, gold), from metallic parts purchased from external suppliers (screws, contacts, clamps, etc.) and, in some cases, from different components we also buy from the market (Reed contacts, for example). For the most part, we have the productive process inside of our factories; in fact, we punch metal coins, we galvanize metallic components or directly the coins, we mold plastic material and we assemble them with dedicated machines generally engineered in house.

Wuerth Elektronik Stelvio Kontek is certainly, as you can understand, a downstream user of chemicals both in its processes (e.g.: additives for galvanic treatment) and like part of the finished goods (e.g.: polymers for molding plastic bodies).

**For what concerns our production, now, both based on the data we have in our hands, and thanks to the information of our suppliers, no one of the Substances in object is present in the finished products we make and in the raw materials we use.**

Only the Boric Acid<sup>1</sup> (nr. 33 of the list in the previous pages) is used in the galvanic process as a pH stabilizer in the nickel baths. Boric Acid is only an ingredient of the bath and, during electrolytic process, it doesn't deposit on the metallic parts, so, in any case, it is not present on the final products. Boric Acid producers are working in order to obtain the elimination of this substance from the list of the SVHC substances. However, we are co-operating with our suppliers with the aim to select a different type of product for managing the pH value in the nickel baths.

We also continue to monitor the ECHA web site, to check the update of the list of the so-called SVHC (Substances of Very High Concern) and to verify the possible presence of any substance, which is present in our products or used in our processes.

So you can be sure that, when it will be useful, we'll make others specific communication to update you about the conformity of our products with the legislation in object.

We remain at your disposal for any further information you may need.

Best regards.

**Quality, Safety & Environment Manager**  
**(Alberto Valsecchi)**

<sup>1</sup> Boric acid can be used as an antiseptic for minor burns or cuts and is sometimes used in dressings or salves or is applied in a very dilute solution as an eye wash in a 1.5% solution of sterilized water.