Zertifikat für REACH, RoHS & IEC 62474 Konformität

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Reach Konformität

Im Rahmen der REACH-Verordnung ist EMKA ein Hersteller und Lieferant der Artikel innerhalb des EWR. EMKA ist weder Hersteller noch Lieferant der Stoffe oder Zubereitungen und alle EMKA Artikel beinhalten nicht die absichtliche Freisetzung von Stoffen aus den Erzeugnissen. Das Konformitätszertifikat wird überprüft und schließlich von Zeit zu Zeit aktualisiert entsprechend der neuen SVHC Liste veröffentlich von ECHA. Die EMKA Artikel enthalten keine besonders besorgniserregenden REACH Substanzen (SVHC-219) in einer Konzentration über dem Schwellenwert von 0,1%, gemäß ECHA Richtlinie. Die untenstehende Anhang I enthält die von der ECHA am 08. Juli 2021 aktualisierte Kandidatenliste (European Chemical Agency).
Einige EMKA-Produkte, die aus Automatenstahl, Aluminium oder Kupferlegierungen gefertigt werden, können Blei als Legierungselement über dem Schwellenwert von 0,1% enthalten. Die Information über diese EMKA-Produkte mit Blei als Legierungselement wird nur auf expliziter Kundenanfrage bereitgestellt.

RoHS III Konformität

Wir bestätigen hiermit ebenfalls, dass alle von EMKA Beschlagteile hergestellten Produkte RoHS-konform sind. Es bedeutet, dass die durch die EU RoHS Richtlinie 2011 eingeschränkten Produkte, zuletzt geändert am 31. März 2015 durch die Richtlinie (EU) 2015/863 mit der auf die Liste gesetzten Ergänzung von 4 Phthalates, nicht in Endprodukten über der zulässigen Höchstkonzentration auf einem homogenen Materialniveau enthalten sind, wie unten angegeben. Es sei denn, die restriktive Substanz ist Gegenstand einer Ausnahme in der EU RoHS Richtlinie 2011.

IEC 62474 Material Deklaration (Ersetzt JIG 101)

Hiermit deklarieren wir, dass alle EMKA Produkte die IEC 62474 erfüllen und keinen verbotenen Stoff über den spezifizierten Schwellenwert in umfassender Liste enthalten. Es sei denn, die restriktive Substanz ist Gegenstand einer Ausnahme wie in Anhang III, oder als Verunreinigungen.

Die EMKA Produkte könnten Spuren von irgendeiner Substanz, die nicht absichtlich eingemischt wurde und unter der meldepflichtigen oder nachweisbaren Stufe enthalten.

Unterschrift:

Datum: 01.09.2021

Anhang I – REACH

#	Name der Substanz	CAS #	SVHC Veröffentlichungs -Datum
1	Anthracene	120-12-7	2008-10-28
2	4,4'- Diaminodiphenylmethane	101-77-9	2008-10-28
3	Dibutyl phthalate	84-74-2	2008-10-28
4	Cobalt dichloride	7646-79-9	2008-10-28
5	Diarsenic pentaoxide	1303-28-2	2008-10-28
6	Diarsenic trioxide	1327-53-3	2008-10-28
7	Sodium dichromate, dihydrate	10588-01-9	2008-10-28
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008-10-28
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	2008-10-28/ 2014-12-17
10	Hexabromocyclododecane (HBCDD)	3194-55-6	2008-10-28
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008-10-28
12	Bis(tributyltin) oxide,hexabutyldistannoxane	56-35-9	2008-10-28
13	Lead hydrogen arsenate	7784-40-9	2008-10-28
14	Triethyl arsenate	15606-95-8	2008-10-28
15	Benzyl butyl phthalate	85-68-7	2008-10-28
16	2,4-Dinitrotoluene	121-14-2	2010-01-13
17	Anthracene oil	90640-80-5	2010-01-13
18	Anthracene oil, anthracene paste	90640-81-6	2010-01-13
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010-01-13
20	Anthracene oil, anthracene paste,distn. lights	91995-17-4	2010-01-13
21	Anthracene oil, anthracene-low	90640-82-7	2010-1-13
22	Diisobutyl phthalate	84-69-5	2010-1-13
23	Lead chromate	7758-97-6	2010-1-13
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010-1-13
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010-1-13
26	Pitch, coal tar, high temp.	65996-93-2	2010-1-13
27	Tris(2-chloroethyl)phosphate	115-96-8	2010-1-13
28	Acrylamide	79-06-1	2010-3-30
29	Trichloroethylene	79-01-6	2010-6-18
30	Boric acid	10043-35-3	2010-6-18
31	Disodium tetraborate, anhydrous	1330-43-4	2010-6-18
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010-6-18

33	Sodium chromate	7775-11-3	2010-6-18
34	Potassium chromate	7789-00-6	2010-6-18
35	Ammonium dichromate	7789-09-5	2010-6-18
36	Potassium dichromate	7778-50-9	2010-6-18
37	2-Ethoxyethanol	110-80-5	2010-12-15
38	2-Methoxyethanol	109-86-4	2010-12-15
39	Chromic acid	7738-94-5	2010-12-15
40	Chromium trioxide	1333-82-0	2010-12-15
41	Cobalt(II) carbonate	513-79-1	2010-12-15
42	Cobalt(II) diacetate	71-48-7	2010-12-15
43	Cobalt(II) dinitrate	10141-05-6	2010-12-15
44	Cobalt(II) sulphate	10124-43-3	2010-12-15
45	1,2,3-Trichloropropane	96-18-4	2011-6-20
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011-6-20
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011-6-20
48	1-Methyl-2-pyrrolidone	872-50-4	2011-6-20
49	2-Ethoxyethyl acetate	111-15-9	2011-6-20
50	Hydrazine	302-01-2 / 7803-57-8	2011-6-20
51	Strontium chromate	7789-06-2	2011-6-20
52	Dichromium tris(chromate)	24613-89-6	2011-12-19
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	2011-12-19
54	Pentazinc chromate octahydroxide	49663-84-5	2011-12-19
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	2011-12-19
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	2011-12-19
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	2011-12-19
58	Bis(2-methoxyethyl) phthalate	117-82-8	2011-12-19
59	2-Methoxyaniline; o-Anisidine	90-04-0	2011-12-19
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	2011-12-19
61	1,2-Dichloroethane	107-06-2	2011-12-19
62	Bis(2-methoxyethyl) ether	111-96-6	2011-12-19
63	Arsenic acid	7778-39-4	2011-12-19
64	Calcium arsenate	7778-44-1	2011-12-19
65	Trilead diarsenate	3687-31-8	2011-12-19
66	N,N-dimethylacetamide (DMAC)	127-19-5	2011-12-19

67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	2011-12-19
68	Phenolphthalein	77-09-8	2011-12-19
69	Lead azide Lead diazide	13424-46-9	2011-12-19
70	Lead styphnate	15245-44-0	2011-12-19
71	Lead dipicrate	6477-64-1	2011-12-19
72	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C-I- Solvent Blue 4) *[with ≥ 0-1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]*	6786-83-0	2012-6-18
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012-6-18
74	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	2012-6-18
75	Diboron trioxide	1303-86-2	2012-6-18
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012-6-18
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol *[with ≥ 0-1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]*	561-41-1	2012-6-18
78	Lead(II) bis(methanesulfonate)	17570-76-2	2012-6-18
79	Formamide	75-12-7	2012-6-18
80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C-I- Basic Violet 3) *[with ≥ 0-1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]*	548-62-9	2012-6-18
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012-6-18
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C-I- Basic Blue 26) *[with ≥ 0-1% of Michler's ketone (EC No- 202-027-5) or Michler's base (EC No- 202-959-2)]*	2580-56-5	2012-6-18
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	2012-6-18
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012-6-18
85	Pyrochlore, antimony lead yellow	8012-00-8	2012-12-19
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012-12-19
87	Henicosafluoroundecanoic acid	2058-94-8	2012-12-19
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methy lphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[The	25550-51-0, 19438-60-9, 48122-14-1,	2012-12-19

	individual isomers [2], [3] and [4] (including their cis- and trans-stereo iso meric forms) and all possible combinations of the isomers [1] are covered by this entry]	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]	85-42-7, 13149-00-3, 14166-21-3	2012-12-19
90	Dibutyltin dichloride (DBTC)	683-18-1	2012-12-19
91	Lead bis(tetrafluoroborate)	13814-96-5	2012-12-19
92	Lead dinitrate	10099-74-8	2012-12-19
93	Silicic acid, lead salt	11120-22-2	2012-12-19
94	4-Aminoazobenzene	60-09-3	2012-12-19
95	Lead titanium zirconium oxide	12626-81-2	2012-12-19
96	Lead monoxide (lead oxide)	1317-36-8	2012-12-19
97	o-Toluidine	95-53-4	2012-12-19
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012-12-19
99	Silicic acid (H₂Si₂O₅), 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 number082-001-00-6 in Regulation (EC)	68784-75-8	2012-12-19
100	Trilead bis(carbonate)dihydroxide	1319-46-6	2012-12-19
101	Furan	110-00-9	2012-12-19
102	N,N-dimethylformamide	68-12-2	2012-12-19
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well - defined substances and UVCB substances, polymers and homologues	-	2012-12-19
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	-	2012-12-19
105	4,4'-methylenedi-o-toluidine	838-88-0	2012-12-19
106	Diethyl sulphate	64-67-5	2012-12-19
107	Dimethyl sulphate	77-78-1	2012-12-19
108	Lead oxide sulfate	12036-76-9	2012-12-19

109	Lead titanium trioxide	12060-00-3	2012-12-19
110	Acetic acid, lead salt, basic	51404-69-4	2012-12-19
111	[Phthalato(2-)]dioxotrilead	69011-06-9	2012-12-19
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012-12-19
113	N-methylacetamide	79-16-3	2012-12-19
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012-12-19
115	1,2-Diethoxyethane	629-14-1	2012-12-19
116	Tetralead trioxide sulphate	12202-17-4	2012-12-19
117	N-pentyl-isopentylphthalate	776297-69-9	2012-12-19
118	Dioxobis(stearato)trilead	12578-12-0	2012-12-19
119	Tetraethyllead	78-00-2	2012-12-19
120	Pentalead tetraoxide sulphate	12065-90-6	2012-12-19
121	Pentacosafluorotridecanoic acid	72629-94-8	2012-12-19
122	Tricosafluorododecanoic acid	307-55-1	2012-12-19
123	Heptacosafluorotetradecanoic acid	376-06-7	2012-12-19
124	1-bromopropane (n-propyl bromide)	106-94-5	2012-12-19
125	Methoxyacetic acid	625-45-6	2012-12-19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012-12-19
127	Methyloxirane (Propylene oxide)	75-56-9	2012-12-19
128	Trilead dioxide phosphonate	12141-20-7	2012-12-19
129	O-aminoazotoluene	97-56-3	2012-12-19
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012-12-19
131	4,4'-oxydianiline and its salts	101-80-4	2012-12-19
132	Orange lead (lead tetroxide)	1314-41-6	2012-12-19
133	Biphenyl-4-ylamine	92-67-1	2012-12-19
134	Diisopentylphthalate	605-50-5	2012-12-19
135	Fatty acids, C16-18, lead salts	91031-62-8	2012-12-19
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012-12-19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	2012-12-19
138	Lead cyanamidate	20837-86-9	2012-12-19
139	Cadmium oxide	1306-19-0	2013-06-20
140	Dipentyl phthalate (DPP)	131-18-0	2013-06-20
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013-06-20
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	-	2013-06-20

	covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]		
143	Ammonium pentadecafluorooctanoate (APFO	3825-26-1	2013-06-20
144	Cadmium	7440-43-9	2013-06-20
145	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013-12-16
146	Dihexyl phthalate	84-75-3	2013-12-16
147	Lead di(acetate)	301-04-2	2013-12-16
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	2013-12-16
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)	1937-37-7	2013-12-16
150	Trixylyl phosphate	25155-23-1	2013-12-16
151	Cadmium sulphide	1306-23-6	2013-12-16
152	Cadmium chloride	10108-64-2	2014-06-16
153	Sodium peroxometaborate	7632-04-4	2014-06-16
154	Sodium perborate; perboric acid, sodium salt	-	2014-06-16
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014-06-16
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014-12-17
157	Cadmium sulphate	10124-36-4 31119-53-6	2014-12-17
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014-12-17
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014-12-17
160	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)	-	2014-12-17
161	Cadmium fluoride	7790-79-6	2014-12-17
162	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-	-	2015-06-15

	methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]		
163	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)	68515-51-5 68648-93-1	2015-06-15
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	2015-12-17
165	Nitrobenzene	98-95-3	2015-12-17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	2015-12-17
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	2015-12-17
168	1,3-propanesultone	1120-71-4	2015-12-17
169	Benzo[def]chrysene	50-32-8	2016-06-20
170	p-(1,1-dimethylpropyl)phenol	80-46-6	2017-01-12
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts, show/hide, Decanoic acid, nonadecafluoro-, sodium salt, Ammonium nonadecafluorodecanoate Nonadecafluorodecanoic acid	3830-45-3 3108-42-7 335-76-2	2017-01-12
172	4-heptylphenol, branched and linear	-	2017-01-12
173	4,4'-isopropylidenediphenol	80-05-7	2017-01-12
174	Perfluorohexane-1-sulphonic acid and its salts PFHxS	-	2017-07-07
175	Benz[a]anthracene	56-55-3, 1718-53-2	2018-01-15
176	Cadmium carbonate	513-78-0	2018-01-15
177	Cadmium hydroxide	21041-95-2	2018-01-15
178	Cadmium nitrate	10022-68-1, 10325-94-7	2018-01-15
179	Chrysene	218-01-9, 1719-03-5	2018-01-15
180	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	-	2018-01-15
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 (4-HPbl)	-	2018-01-15

182	Terphenyl, hydrogenated	61788-32-7	2018-06-27
183	Octamethylcyclotetrasiloxane D4	556-67-2	2018-06-27
184	Lead	7439-92-1	2018-06-27
185	Ethylenediamine EDA	107-15-3	2018-06-27
186	Dodecamethylcyclohexasiloxane D6	540-97-6	2018-06-27
187	Disodium octaborate	12008-41-2	2018-06-27
188	Dicyclohexyl phthalate DCHP	84-61-7	2018-06-27
189	Decamethylcyclopentasiloxane D5	541-02-6	2018-06-27
190	Benzo[ghi]perylene	191-24-2	2018-06-27
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	552-30-7	2018-06-27
192	Pyrene	129-00-0; 1718-52-1	2019-01-15
193	Phenanthrene	85-01-8	2019-01-15
194	Fluoranthene	206-44-0; 93951-69-0	2019-01-15
195	Benzo[k]fluoranthene	207-08-9	2019-01-15
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	2019-01-15
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 3-benzylidene camphor; 3-BC	15087-24-8	2019-01-15
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	2019-07-16
199	4-tert-butylphenol	98-54-4	2019-07-16
200	2-methoxyethyl acetate	110-49-6	2019-07-16
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	-	2019-07-16
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	2020-01-16
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	2020-01-16
204	Diisohexyl phthalate	71850-09-4	2020-01-16
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	2020-01-16
206	1-vinylimidazole	1072-63-5	2020-06-25
207	2-methylimidazole	693-98-1	2020-06-25
208	Butyl 4-hydroxybenzoate	94-26-8	2020-06-25
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	2020-06-25
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	2021-01-19
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	- 91648-39-4 3648-18-8	2021-01-19

212	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)		2021-07-08
213	orthoboric acid, sodium salt		2021-07-08
214	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17		2021-07-08
215	glutaral	111-30-8	2021-07-08
216	4,4'-(1-methylpropylidene)bisphenol	77-40-7	2021-07-08
217	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers		2021-07-08
218	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)		2021-07-08
219	1,4-dioxane	123-91-1	2021-07-08

Anhang II – RoHS III

#	Beschränkte Substanzen	Zulässige Höchst-konzentration
1	Lead and lead compounds *	0.1 %
2	Mercury and mercury compounds	0.1 %
3	Hexavalent chromium and hexavalent chromium compounds	0.1 %
4	Cadmium and cadmium compounds	0.01 %
5	Polybrominated biphenyls (PBB)	0.1 %
6	Polybrominated diphenyl ethers (PBDE)	0.1 %
7	Bis(2-ethylhexyl) phthalate (DEHP)	0.1 %
8	Butyl benzyl phthalate (BBP)	0.1 %
9	Dibutyl phthalate (DBP)	0.1 %
10	Diisobutyl phthalate (DIBP)	0.1 %

Zulässige Ausnahmen in der EU RoHS Richtlinie 2011:

Blei wird als Legierungselement in Stahl für Bearbeitungszwecke und in verzinktem Stahl erlaubt mit einem Gewichtsprozent bis zu 0,35%.

Blei wird als Legierungselement in Aluminium erlaubt mit einem Gewichtsprozent bis zu 0,4 %

Blei wird als Legierungselement in Kupferlegierungen erlaubt mit einem Gewichtsprozent bis zu 4%.

Nur auf expliziten Wunsch unserer Kunden werden einzelne Produkte gefertigt, welche nicht der RoHS III Richtlinie entsprechen.

Anhang III – IEC 62474

#	Name der Substanz	CAS #	Richlinien.
1	Diarsenic pentoxide	1303-28-2	REACH SVHC
2	Diarsenic trioxide	1327-53-3	REACH SVHC
3	Asbestos		ANNEX XVII of REACH
4	Azocolourants and azodyes which form certain aromatic amines		ANNEX XVII of REACH
5	Beryllium Oxide	1304-56-9	European Industry Agreement
6	Boric Acid	10043-35-3, 1113-50-1	REACH SVHC
7	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)		IEC 61249-2-21 and IPC-4101
8	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)		Joint JEDEC/ECA JS-709A Standard
9	Cadmium/Cadmium compounds		RoHS
10	Cadmium/Cadmium compounds		2006/66/EC EU Battery Directive
11	Chromium (VI) Compounds		RoHS
12	Cobalt dichloride	7646-79-9	REACH SVHC
13	Dibutyltin (DBT) compounds		ANNEX XVII of REACH
14	Dioctyltin (DOT) compounds		ANNEX XVII of REACH
15	Dimethyl Fumarate (DMF)	624-49-7	Directive 2009/251/EC
16	Disodium tetraborates		REACH SVHC
17	Fluorinated Greenhouse Gases (PFC, SF6, HFC)		EU Reg. No. 842/2006
18	Formaldehyde	50-00-0	Lithuanian Hygiene Norm HN 96:2000
19	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane		REACH SVHC
20	Lead/Lead Compounds		RoHS and REACH SVHC

21	Lead/Lead Compounds		U.S. Consumer Product Safety Improvement Act modified: 76 FR 44463
22	Lead/Lead Compounds		U.S. Consumer Product Safety Improvement Act modified: 76 FR 44463
23	Lead/Lead Compounds		US/CA Proposition 65 Case law
24	Lead/Lead Compounds		2006/66/EC EU Battery Directiv
25	Lead chromate	7758-97-6	REACH SVHC
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	REACH SVHC
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	REACH SVHC
28	Mercury/Mercury Compounds		RoHS
29	Mercury/Mercury Compounds		Chinese Standard GB 24427-2009
30	Mercury/Mercury Compounds		Canadian Products Containing Mercury Regulations (SOR/2014-254)
31	Nickel	7440-02-0	ANNEX XVII of REACH
32	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)		Montreal Protocol, 1990
33	Perchlorates		California Assembly Bill No. 826
34	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	REACH SVHC
35	Phthalates, Selected Group 1 (BBP, DBP, DEHP)		ANNEX XVII of REACH
36	Phthalates, Selected Group 2 (DIDP, DINP, DNOP)		ANNEX XVII of REACH
37	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	RoHS
38	Dibutyl phthalate (DBP)	84-74-2	RoHS
39	Benzyl butyl phthalate (BBP)	85-68-7	RoHS
40	Diisobutyl phthalate	84-69-5	RoHS
41	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	REACH SVHC

42	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	REACH SVHC
43	Polybrominated Biphenyls (PBBs)		RoHS
44	Polybrominated Diphenylethers (PBDEs)		RoHS
45	Polychlorinated Biphenyls (PCBs) and specific substitutes		ANNEX XVII of REACH
46	Polychlorinated Terphenyls (PCTs)		ANNEX XVII of REACH
47	Polychlorinated Naphthalenes (PCNs)		EU No 519/2012)
48	Radioactive substances		EU-D 96/29/Euratom
49	Aluminosilicate Refractory Ceramic Fibres		REACH SVHC
50	Zirconia Aluminosilicate Refractory Ceramic Fibres		REACH SVHC
51	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	REACH SVHC
52	Strontium chromate	7789-06-2	REACH SVHC
53	Bis(tributyltin) oxide (TBTO)	56-35-9	REACH SVHC
54	Tri-substituted organostannic compounds		ANNEX XVII of REACH
55	Tris(2-chloroethyl)phosphate	115-96-8	REACH SVHC
56	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	REACH SVHC
57	Bis(2-methoxyethyl) ether	111-96-6	REACH SVHC
58	Bis(2-methoxyethyl) phthalate	117-82-8	REACH SVHC
59	Pentazinc chromate octahydroxide	49663-84-5	REACH SVHC
60	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	REACH SVHC
61	Chlorinated Flame Retardants (CFR)		JEDEC/ECA JS-709A
62	Chlorinated Flame Retardants (CFR)		IPC-4101 and IEC 61249-2-21
63	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	REACH SVHC
64	Sulfurous acid, lead salt, dibasic	62229-08-7	REACH SVHC
65	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	REACH SVHC
66	Trilead dioxide phosphonate	12141-20-7	REACH SVHC
67	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	REACH SVHC
68	4-Aminoazobenzene	60-09-3	REACH SVHC
69	Tetralead trioxide sulphate	12202-17-4	REACH SVHC
70	Orange lead (lead tetroxide)	1314-41-6	REACH SVHC
71	Pyrochlore, antimony lead yellow	8012-00-8	REACH SVHC
72	Pentalead tetraoxide sulphate	12065-90-6	REACH SVHC

73	1,2-Diethoxyethane	629-14-1	REACH SVHC
74	Diboron trioxide	1303-86-2	REACH SVHC
75	Dibutyltin dichloride (DBTC)	683-18-1	REACH SVHC
76	Lead cyanamidate	20837-86-9	REACH SVHC
77	N,N-dimethylformamide	68-12-2	REACH SVHC
78	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	68784-75-8	REACH SVHC
79	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	REACH SVHC
80	Diisopentylphthalate	605-50-5	REACH SVHC
81	N-pentyl-isopentylphthalate	776297-69-9	REACH SVHC
82	Lead titanium trioxide	12060-00-3	REACH SVHC
83	Lead titanium zirconium oxide	12626-81-2	REACH SVHC
84	Lead oxide sulfate	12036-76-9	REACH SVHC
85	[Phthalato(2-)]dioxotrilead	69011-06-9	REACH SVHC
86	Dioxobis(stearato)trilead	12578-12-0	REACH SVHC
87	Fatty acids, C16-18, lead salts	91031-62-8	REACH SVHC
88	Lead dinitrate	10099-74-8	REACH SVHC
89	Di-isodecyl phthalate (DIDP)	68515-49-1, 6761-40-0	California Prop 65
90	Di-n-hexyl Phthalate (DnHP)	84-75-3	California Prop 65 / REACH SVHC
91	Hexahydromethylphthalic anhydride		REACH SVHC
92	Cadmium	7440-43-9	REACH SVHC
93	Cadmium oxide	1306-19-0	REACH SVHC
94	Dipentyl phthalate (DPP)	131-18-0	REACH SVHC
95	Pentadecafluorooctanoic acid (PFOA)	335-67-1	REACH SVHC
96	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	REACH SVHC
97	4-Nonylphenol, branched and linear, ethoxylated		REACH SVHC
98	Cadmium sulphide	1306-23-6	REACH SVHC
99	Trixylyl phosphate	25155-23-1	REACH SVHC
100	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	REACH SVHC
101	Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA		Norwegian products regulation Section 2-32

102	Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA		Norwegian products regulation Section 2-32
103	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	REACH SVHC
104	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	REACH SVHC
105	Diisononyl phthalate (DINP)	28553-12-068515-48-0	California Prop 65
106	Benzo[a]pyrene	50-32-8	ANNEX XVII of REACH
107	Benzo[e]pyrene	192-97-2	ANNEX XVII of REACH
108	Benzo[a]anthracene	56-55-3	ANNEX XVII of REACH
109	Chrysen	218-01-9	ANNEX XVII of REACH
110	Benzo[b]fluoranthene	205-99-2	ANNEX XVII of REACH
111	Benzo[j]fluoranthene	205-82-3	ANNEX XVII of REACH
112	Benzo[k]fluoranthene	207-08-9	ANNEX XVII of REACH
113	Dibenzo[a,h]anthracene	53-70-3	ANNEX XVII of REACH
114	Benzo[a]pyrene	50-32-8	ANNEX XVII of REACH
115	Benzo[e]pyrene	192-97-2	ANNEX XVII of REACH
116	Benzo[a]anthracene	56-55-3	ANNEX XVII of REACH
117	Chrysen	218-01-9	ANNEX XVII of REACH
118	Benzo[b]fluoranthene	205-99-2	ANNEX XVII of REACH
119	Benzo[j]fluoranthene	205-82-3	ANNEX XVII of REACH
120	Benzo[k]fluoranthene	207-08-9	ANNEX XVII of REACH
121	Dibenzo[a,h]anthracene	53-70-3	ANNEX XVII of REACH
122	Perfluorooctane sulfonates (PFOS)		(EC) 850/2004(POPs regulation
123	Perfluorooctane sulfonates (PFOS)		(EC) 850/2004(POPs regulation
124	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	REACH SVHC
125	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene	68921-45-9	Prohibition of Certain Toxic Substances Regulations, 2012, CANADA
126	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	REACH SVHC

127	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)		REACH SVHC
128	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	REACH SVHC
129	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)	68515-51-5, 68648-93-1	REACH SVHC
130	1,3-propanesultone	1120-71-4	REACH SVHC
131	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	REACH SVHC
132	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	REACH SVHC
133	Perfluorononan-1-oic-acid and its sodium and ammonium salts		REACH SVHC
134	Benzo[def]chrysene	50-32-8	REACH SVHC

Für eine umfassende Liste besuchen Sie bitte folgender Link:
http://std.iec.ch/iec62474

Nickel könnte in einige EMKA Produkten enthalten sein, jedoch die Produkte kommen nicht in längeren Kontakt mit Haut in Standard Anwendungen.

Die EMKA-Produkte, die aus Automatenstahl, Aluminium oder Kupferlegierungen gefertigt werden, können Blei als Legierungselement über dem Schwellenwert von 0,1% enthalten. Die Information über diese EMKA-Produkte mit Blei als Legierungselement wird nur auf expliziter Kundenanfrage bereitgestellt.

Nur auf expliziten Wunsch unserer Kunden werden einzelne Produkte gefertigt, welche nicht der IEC 62474 Richtlinie entsprechen.