

## DECLARATION WITH REGARD TO EUROPEAN REGULATIONS Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

We hereby confirm that all products produced or distributed by EMC electro mechanical components GmbH are in conformity with the European Regulations 1907/2006 REACH and that the following substances of very high concern (SVHC) as published by the European Chemicals Agency (<https://echa.europa.eu/candidate-list-table>) have not been intentionally added nor believe to be contained in any of the materials used for the production of any products produced or distributed by EMC GmbH or may only be present below the accepted limit of 0.1 MASS%

**Number of substances on the Candidate List: 240 (last updated: 23 January 2024)**

\*NOTE Lead, as an alloying element, is allowed up to 4.0 MASS% (40.000 ppm) in copper alloys, up to 0.35 MASS% (3.500ppm) in steel, and up to 0.40 MASS% (4.000 ppm) in aluminum alloys.

| Substance Name  | EC Number | CAS Number  | Date of inclusion |
|---|-----------|-------------|-------------------|
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol  | 700-960-7 | -           | 2024/01/23        |
| Phenol, methylstyrenated  | 270-966-8 | 68512-30-1  | 2024/01/23        |
| Bumetrizole (UV-326)  | 223-445-4 | 3896-11-5   | 2024/01/23        |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one  | 438-340-0 | 119344-86-4 | 2024/01/23        |
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)  | 221-573-5 | 3147-75-9   | 2024/01/23        |
| 2,4,6-tri-tert-butylphenol  | 211-989-5 | 732-26-3    | 2024/01/23        |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide   | 278-355-8 | 75980-60-8  | 2023/06/14        |
| Bis(4-chlorophenyl) sulphone  | 201-247-9 | 80-07-9     | 2023/06/14        |
| reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine   | 473-390-7 | -           | 2023/01/17        |
| Perfluoroheptanoic acid and its salts   | -         | -           | 2023/01/17        |
| Ammonium perfluoroheptanoate  | 228-098-2 | 6130-43-4   | 2023/01/17        |
| potassium perfluoroheptanoate   | -         | 21049-36-5  | 2023/01/17        |
| Perfluoroheptanoic acid   | 206-798-9 | 375-85-9    | 2023/01/17        |
| Sodium perfluoroheptanoate  | 243-518-4 | 20109-59-5  | 2023/01/17        |
| Melamine  | 203-615-4 | 108-78-1    | 2023/01/17        |
| Isobutyl 4-hydroxybenzoate  | 224-208-8 | 4247-02-3   | 2023/01/17        |
| bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof  | -         | -           | 2023/01/17        |
| Bis(2-ethylhexyl) tetrabromophthalate   | 247-426-5 | 26040-51-7  | 2023/01/17        |
| Barium diboron tetraoxide   | 237-222-4 | 13701-59-2  | 2023/01/17        |
| 4,4'-sulphonyldiphenol  | 201-250-5 | 80-09-1     | 2023/01/17        |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol  | 201-236-9 | 79-94-7     | 2023/01/17        |
| 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]  | 253-692-3 | 37853-59-1  | 2023/01/17        |
| N-(hydroxymethyl)acrylamide   | 213-103-2 | 924-42-5    | 2022/06/10        |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol  | 204-327-1 | 119-47-1    | 2022/01/17        |
| tris(2-methoxyethoxy)vinylsilane  | 213-934-0 | 1067-53-4   | 2022/01/17        |
| (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)          | -         | -           | 2022/01/17        |
| S-(tricyclo(5.2.1.0 <sup>2,6</sup> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 401-850-9 | 255881-94-8 | 2022/01/17        |
| 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers  | -         | -           | 2021/07/08        |

| Substance Name   | EC Number                           | CAS Number                                      | Date of inclusion |
|--|-------------------------------------|---|-------------------|
| Orthoboric acid, sodium salt   | 237-560-2                           | 13840-56-7                                      | 2021/07/08        |
| 2,2-bis(bromomethyl)propane 1,3-diol (BMP)<br>2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)<br>2,3-dibromo-1-propanol (2,3-DBPA)        | 221-967-7<br>253-057-0<br>202-480-9 | 3296-90-0<br>36483-57-5<br>1522-92-5<br>96-13-9 | 2021/07/08        |
| Glutaral   | 203-856-5                           | 111-30-8  | 2021/07/08        |
| Medium-chain chlorinated paraffins (MCCP)<br>(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        |
| 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        |
| 1,4-dioxane  | 204-661-8                           | 123-91-1  | 2021/07/08        |
| 4,4'-(1-methylpropylidene)bisphenol  | 201-025-1                           | 77-40-7   | 2021/07/08        |
| 1-vinylimidazole   | 214-012-0                           | 1072-63-5                                       | 2020/06/25        |
| Dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.  | -                                   | -   | 2021/01/19        |
| Stannane, dioctyl-, bis(coco acyloxy) derivs.  | 293-901-5                           | 91648-39-4                                      | 2021/01/19        |
| Dioctyltin dilaurate   | 222-883-3                           | 3648-18-8                                       | 2021/01/19        |
| Bis(2-(2-methoxyethoxy)ethyl)ether   | 205-594-7                           | 143-24-8  | 2021/01/19        |
| Dibutylbis(pentane-2,4-dionato-O,O')tin  | 245-152-0                           | 22673-19-4                                      | 2020/06/25        |
| Butyl 4-hydroxybenzoate  | 202-318-7                           | 94-26-8   | 2020/06/25        |
| 2-methylimidazole  | 211-765-7                           | 693-98-1  | 2020/06/25        |
| 1-vinylimidazole   | 214-012-0                           | 1072-63-5                                       | 2020/06/25        |
| Perfluorobutane sulfonic acid (PFBS) and its salts   | -                                   | -   | 2020/01/16        |
| Diisohexyl phthalate   | 276-090-2                           | 71850-09-4                                      | 2020/01/16        |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one   | 400-600-6                           | 71868-10-5                                      | 2020/01/16        |
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone  | 404-360-3                           | 119313-12-1                                     | 2020/01/16        |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides   | -                                   | -   | 2019/07/16        |
| 2-methoxyethyl acetate   | 203-772-9                           | 110-49-6  | 2019/07/16        |
| 4-tert-butylphenol   | 202-679-0                           | 98-54-4   | 2019/07/16        |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)   | -                                   | -   | 2019/07/16        |
| 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one  | 239-139-9                           | 15087-24-8                                      | 2019/01/15        |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane  | 401-720-1                           | 6807-17-6                                       | 2019/01/15        |
| Benzo[k]fluoranthene   | 205-916-6                           | 207-08-9  | 2019/01/15        |
| Fluoranthene   | 205-912-4                           | 206-44-0<br>93951-69-0                          | 2019/01/15        |
| Phenanthrene   | 201-581-5                           | 85-01-8   | 2019/01/15        |
| Pyrene   | 204-927-3                           | 129-00-0<br>1718-52-1                           | 2019/01/15        |
| Benzene-1,2,4-tricarboxylic acid 1,2 anhydride   | 209-008-0                           | 552-30-7  | 2018/06/27        |
| Benzo[ghi]perylene   | 205-883-8                           | 191-24-2  | 2018/06/27        |
| Decamethylcyclopentasiloxane   | 208-764-9                           | 541-02-6  | 2018/06/27        |
| Dicyclohexyl phthalate   | 201-545-9                           | 84-61-7   | 2018/06/27        |
| Disodium octaborate  | 234-541-0                           | 12008-41-2                                      | 2018/06/27        |
| Dodecamethylcyclohexasiloxane  | 208-762-8                           | 540-97-6  | 2018/06/27        |
| Ethylenediamine  | 203-468-6                           | 107-15-3  | 2018/06/27        |

| Substance Name  | EC Number                        | CAS Number                                   | Date of inclusion |
|---|----------------------------------|--|-------------------|
| Lead <sup>NOTE</sup>  | 231-100-4                        | 7439-92-1                                    | 2018/06/27        |
| Octamethylcyclotetrasiloxane  | 209-136-7                        | 556-67-2                                     | 2018/06/27        |
| Terphenyl, hydrogenated   | 262-967-7                        | 61788-32-7                                   | 2018/06/27        |
| 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" <sup>TM</sup> )  | -                                | -  | 2018/01/15        |
| Benz[a]anthracene   | 200-280-6                        | 56-55-3<br>1718-53-2                         | 2018/01/15        |
| Cadmium carbonate   | 208-168-9                        | 513-78-0                                     | 2018/01/15        |
| Cadmium hydroxide   | 244-168-5                        | 21041-95-2                                   | 2018/01/15        |
| Cadmium nitrate   | 233-710-6                        | 10022-68-1<br>10325-94-7                     | 2018/01/15        |
| Chrysene  | 205-923-4                        | 218-01-9<br>1719-03-5                        | 2018/01/15        |
| Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )   | -                                | -  | 2018/01/15        |
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)   | -                                | -  | 2018/01/15        |
| Perfluorohexane-1-sulphonic acid and its salts - PFHxS  | -                                | -  | 2017/07/07        |
| 4,4'-isopropylidenediphenol - Bisphenol A; BPA  | 201-245-8                        | 80-05-7                                      | 2017/01/12        |
| 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 | -                                | -  | 2017/01/12        |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts<br>Decanoic acid, nonadecafluoro-, sodium salt<br>Ammonium nonadecafluorodecanoate<br>Nonadecafluorodecanoic acid  | -<br>-<br>221-470-5<br>206-400-3 | -<br>-<br>3830-45-3<br>3108-42-7<br>335-76-2 | 2017/01/12        |
| p-(1,1-dimethylpropyl)phenol  | 201-280-9                        | 80-46-6                                      | 2017/01/12        |
| Benzo[def]chrysene  | 200-028-5                        | 50-32-8                                      | 2016/06/20        |
| 1,3-propanesultone  | 214-317-9                        | 1120-71-4                                    | 2015/12/17        |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)  | 223-383-8                        | 3864-99-1                                    | 2015/12/17        |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)  | 253-037-1                        | 36437-37-3                                   | 2015/12/17        |
| Nitrobenzene  | 202-716-0                        | 98-95-3                                      | 2015/12/17        |
| Perfluorononan-1-oic-acid and its sodium and ammonium salts   | 206-801-3                        | 375-95-1<br>21049-39-8<br>4149-60-4          | 2015/12/17        |
| 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<br>272-013-1           | 68515-51-5<br>68648-93-1                     | 2015/06/15        |
| 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]   | -                                | -  | 2015/06/15        |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)  | 247-384-8                        | 25973-55-1                                   | 2014/12/17        |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)  | 223-346-6                        | 3846-71-7                                    | 2014/12/17        |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)  | 239-622-4                        | 15571-58-1                                   | 2014/12/17        |
| Cadmium fluoride  | 232-222-0                        | 7790-79-6                                    | 2014/12/17        |
| Cadmium sulphate  | 233-331-6                        | 10124-36-4<br>31119-53-6                     | 2014/12/17        |
| 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        |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear  | 271-093-5                        | 68515-50-4                                   | 2014/06/16        |
| Cadmium chloride  | 233-296-7                        | 10108-64-2                                   | 2014/06/16        |

| Substance Name  | EC Number   | CAS Number  | Date of inclusion |
|---|---|---|-------------------|
| Sodium peroxometaborate   | 231-556-4   | 7632-04-4   | 2014/06/16        |
| Sodium perborate; perboric acid, sodium salt  | 239-172-9,<br>234-390-0                             | -   | 2014/06/16        |
| Imidazolidine-2-thione; (2-imidazoline-2-thiol)   | 202-506-9   | 96-45-7   | 2013/12/16        |
| Dihexyl phthalate   | 201-559-5   | 84-75-3   | 2013/12/16        |
| Cadmium sulphide  | 215-147-8   | 1306-23-6   | 2013/12/16        |
| 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  | 2013/12/16        |
| 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   | 2013/12/16        |
| Trixylyl phosphate  | 246-677-8   | 25155-23-1  | 2013/12/16        |
| Lead di(acetate)  | 206-104-4   | 301-04-2  | 2013/12/16        |
| Dipentyl phthalate (DPP)  | 205-017-9   | 131-18-0  | 2013/06/20        |
| Ammonium pentadecafluorooctanoate (APFO)  | 223-320-4   | 3825-26-1   | 2013/06/20        |
| Cadmium oxide   | 215-146-2   | 1306-19-0   | 2013/06/20        |
| Pentadecafluorooctanoic acid (PFOA)   | 206-397-9   | 335-67-1  | 2013/06/20        |
| Cadmium   | 231-152-8   | 7440-43-9   | 2013/06/20        |
| 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]                                       | -   | -   | 2013/06/20        |
| 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,<br>243-072-0,<br>256-356-4,<br>260-566-1 | 25550-51-0,<br>19438-60-9,<br>48122-14-1,<br>57110-29-9 | 2012/12/19        |
| Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))   | 204-650-8   | 123-77-3  | 2012/12/19        |
| 6-methoxy-m-toluidine (p-cresidine)   | 204-419-1   | 120-71-8  | 2012/12/19        |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol)   | 201-861-7   | 88-85-7   | 2012/12/19        |
| Pentalead tetraoxide sulphate   | 235-067-7   | 12065-90-6  | 2012/12/19        |
| Silicic acid, lead salt   | 234-363-3   | 11120-22-2  | 2012/12/19        |
| 4,4'-oxydianiline and its salts   | 202-977-0   | 101-80-4  | 2012/12/19        |
| 1-bromopropane (n-propyl bromide)   | 203-445-0   | 106-94-5  | 2012/12/19        |
| Furan   | 203-727-3   | 110-00-9  | 2012/12/19        |
| Lead bis(tetrafluoroborate)   | 237-486-0   | 13814-96-5  | 2012/12/19        |
| Diethyl sulphate  | 200-589-6   | 64-67-5   | 2012/12/19        |
| N-pentyl-isopentylphthalate   | -   | 776297-69-9   | 2012/12/19        |
| o-aminoazotoluene   | 202-591-2   | 97-56-3   | 2012/12/19        |
| Lead cyanamidate  | 244-073-9   | 20837-86-9  | 2012/12/19        |
| Tetralead trioxide sulphate   | 235-380-9   | 12202-17-4  | 2012/12/19        |
| o-Toluidine   | 202-429-0   | 95-53-4   | 2012/12/19        |
| Dioxobis(stearato)trilead   | 235-702-8   | 12578-12-0  | 2012/12/19        |
| 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] | 272-271-5   | 68784-75-8  | 2012/12/19        |
| 4,4'-methylenedi-o-toluidine  | 212-658-8   | 838-88-0  | 2012/12/19        |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)  | 214-604-9   | 1163-19-5   | 2012/12/19        |
| N,N-dimethylformamide   | 200-679-5   | 68-12-2   | 2012/12/19        |

| Substance Name  | EC Number                             | CAS Number                            | Date of inclusion |
|---|---------------------------------------|---------------------------------------|-------------------|
| 4-Aminoazobenzene   | 200-453-6                             | 60-09-3                               | 2012/12/19        |
| N-methylacetamide   | 201-182-6                             | 79-16-3                               | 2012/12/19        |
| Heptacosaf fluorotetradecanoic acid   | 206-803-4                             | 376-06-7                              | 2012/12/19        |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine  | 421-150-7                             | 143860-04-2                           | 2012/12/19        |
| Pentacosaf fluorotridecanoic acid   | 276-745-2                             | 72629-94-8                            | 2012/12/19        |
| Tetraethyllead  | 201-075-4                             | 78-00-2                               | 2012/12/19        |
| Trilead dioxide phosphonate   | 235-252-2                             | 12141-20-7                            | 2012/12/19        |
| Lead monoxide (lead oxide)  | 215-267-0                             | 1317-36-8                             | 2012/12/19        |
| Acetic acid, lead salt, basic   | 257-175-3                             | 51404-69-4                            | 2012/12/19        |
| Dibutyltin dichloride (DBTC)  | 211-670-0                             | 683-18-1                              | 2012/12/19        |
| Lead dinitrate  | 233-245-9                             | 10099-74-8                            | 2012/12/19        |
| Methoxyacetic acid  | 210-894-6                             | 625-45-6                              | 2012/12/19        |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]   | -                                     | -                                     | 2012/12/19        |
| Pyrochlore, antimony lead yellow  | 232-382-1                             | 8012-00-8                             | 2012/12/19        |
| Lead titanium trioxide  | 235-038-9                             | 12060-00-3                            | 2012/12/19        |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear  | 284-032-2                             | 84777-06-0                            | 2012/12/19        |
| Methyloxirane (Propylene oxide)   | 200-879-2                             | 75-56-9                               | 2012/12/19        |
| 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,<br>236-086-3,<br>238-009-9 | 85-42-7,<br>13149-00-3,<br>14166-21-3 | 2012/12/19        |
| Fatty acids, C16-18, lead salts   | 292-966-7                             | 91031-62-8                            | 2012/12/19        |
| Dimethyl sulphate   | 201-058-1                             | 77-78-1                               | 2012/12/19        |
| 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]                | -                                     | -                                     | 2012/12/19        |
| Biphenyl-4-ylamine  | 202-177-1                             | 92-67-1                               | 2012/12/19        |
| 1,2-Diethoxyethane  | 211-076-1                             | 629-14-1                              | 2012/12/19        |
| Sulfurous acid, lead salt, dibasic  | 263-467-1                             | 62229-08-7                            | 2012/12/19        |
| [Phthalato(2-)]dioxotrilead   | 273-688-5                             | 69011-06-9                            | 2012/12/19        |
| Tricosaf fluorododecanoic acid  | 206-203-2                             | 307-55-1                              | 2012/12/19        |
| Lead oxide sulfate  | 234-853-7                             | 12036-76-9                            | 2012/12/19        |
| Diisopentylphthalate  | 210-088-4                             | 605-50-5                              | 2012/12/19        |
| Orange lead (lead tetroxide)  | 215-235-6                             | 1314-41-6                             | 2012/12/19        |
| Lead titanium zirconium oxide   | 235-727-4                             | 12626-81-2                            | 2012/12/19        |
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine)   | 202-453-1                             | 95-80-7                               | 2012/12/19        |
| Henicosaf fluoroundecanoic acid   | 218-165-4                             | 2058-94-8                             | 2012/12/19        |
| Trilead bis(carbonate)dihydroxide   | 215-290-6                             | 1319-46-6                             | 2012/12/19        |
| Formamide   | 200-842-0                             | 75-12-7                               | 2012/06/18        |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)   | 203-977-3                             | 112-49-2                              | 2012/06/18        |
| a,a-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)]  | 229-851-8                             | 6786-83-0                             | 2012/06/18        |
| 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)   | 423-400-0                             | 59653-74-6                            | 2012/06/18        |

| Substance Name   | EC Number | CAS Number | Date of inclusion       |
|--|-----------|------------|-------------------------|
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)   | 202-027-5 | 90-94-8    | 2012/06/18              |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)   | 219-514-3 | 2451-62-9  | 2012/06/18              |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)   | 202-959-2 | 101-61-1   | 2012/06/18              |
| [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]  | 219-943-6 | 2580-56-5  | 2012/06/18              |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]   | 208-953-6 | 548-62-9   | 2012/06/18              |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)  | 203-794-9 | 110-71-4   | 2012/06/18              |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]  | 209-218-2 | 561-41-1   | 2012/06/18              |
| Lead(II) bis(methanesulfonate)   | 401-750-5 | 17570-76-2 | 2012/06/18              |
| Diboron trioxide   | 215-125-8 | 1303-86-2  | 2012/06/18              |
| Lead diazide, Lead azide   | 236-542-1 | 13424-46-9 | 2011/12/19              |
| Calcium arsenate   | 231-904-5 | 7778-44-1  | 2011/12/19              |
| Bis(2-methoxyethyl) phthalate  | 204-212-6 | 117-82-8   | 2011/12/19              |
| Arsenic acid   | 231-901-9 | 7778-39-4  | 2011/12/19              |
| Lead dipicrate   | 229-335-2 | 6477-64-1  | 2011/12/19              |
| Potassium hydroxyoctaoxidizincatedichromate  | 234-329-8 | 11103-86-9 | 2011/12/19              |
| Phenolphthalein  | 201-004-7 | 77-09-8    | 2011/12/19              |
| Bis(2-methoxyethyl) ether  | 203-924-4 | 111-96-6   | 2011/12/19              |
| Pentazinc chromate octahydroxide   | 256-418-0 | 49663-84-5 | 2011/12/19              |
| Aluminosilicate Refractory Ceramic Fibres<br><i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (<math>\mu\text{m}</math>) c) alkaline oxide and alkali earth oxide (<math>\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}</math>) content less or equal to 18% by weight</i>                      | -         | -          | 2011/12/19              |
| Trilead diarsenate   | 222-979-5 | 3687-31-8  | 2011/12/19              |
| Dichromium tris(chromate)  | 246-356-2 | 24613-89-6 | 2011/12/19              |
| Zirconia Aluminosilicate Refractory Ceramic Fibres<br><i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (<math>\mu\text{m}</math>). c) alkaline oxide and alkali earth oxide (<math>\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}</math>) content less or equal to 18% by weight</i> | -         | -          | 2011/12/19              |
| Formaldehyde, oligomeric reaction products with aniline  | 500-036-1 | 25214-70-4 | 2011/12/19              |
| 1,2-dichloroethane   | 203-458-1 | 107-06-2   | 2011/12/19              |
| 4-(1,1,3,3-tetramethylbutyl)phenol   | 205-426-2 | 140-66-9   | 2011/12/19              |
| Lead styphnate   | 239-290-0 | 15245-44-0 | 2011/12/19              |
| 2,2'-dichloro-4,4'-methylenedianiline  | 202-918-9 | 101-14-4   | 2011/12/19              |
| 2-Methoxyaniline; o-Anisidine  | 201-963-1 | 90-04-0    | 2011/12/19              |
| N,N-dimethylacetamide  | 204-826-4 | 127-19-5   | 2011/12/19              |
| Cobalt dichloride  | 231-589-4 | 7646-79-9  | 2011/06/20 - 2008/10/28 |

| Substance Name  | EC Number               | CAS Number                             | Date of inclusion |
|---|-------------------------|--|-------------------|
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich  | 276-158-1               | 71888-89-6                             | 2011/06/20        |
| Strontium chromate  | 232-142-6               | 7789-06-2                              | 2011/06/20        |
| 2-Ethoxyethyl acetate   | 203-839-2               | 111-15-9                               | 2011/06/20        |
| 1,2,3-Trichloropropane  | 202-486-1               | 96-18-4                                | 2011/06/20        |
| Hydrazine   | 206-114-9               | 302-01-2,<br>7803-57-8                 | 2011/06/20        |
| 1-Methyl-2-pyrrolidone  | 212-828-1               | 872-50-4                               | 2011/06/20        |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters   | 271-084-6               | 68515-42-4                             | 2011/06/20        |
| Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. | 231-801-5,<br>236-881-5 | 7738-94-5,<br>13530-68-2               | 2010/12/15        |
| 2-Ethoxyethanol   | 203-804-1               | 110-80-5                               | 2010/12/15        |
| Cobalt(II) diacetate  | 200-755-8               | 71-48-7                                | 2010/12/15        |
| 2-Methoxyethanol  | 203-713-7               | 109-86-4                               | 2010/12/15        |
| Chromium trioxide   | 215-607-8               | 1333-82-0                              | 2010/12/15        |
| Cobalt(II) sulphate   | 233-334-2               | 10124-43-3                             | 2010/12/15        |
| Cobalt(II) carbonate  | 208-169-4               | 513-79-1                               | 2010/12/15        |
| Cobalt(II) dinitrate  | 233-402-1               | 10141-05-6                             | 2010/12/15        |
| Potassium chromate  | 232-140-5               | 7789-00-6                              | 2010/06/18        |
| Ammonium dichromate   | 232-143-1               | 7789-09-5                              | 2010/06/18        |
| Disodium tetraborate, anhydrous   | 215-540-4               | 1303-96-4,<br>1330-43-4,<br>12179-04-3 | 2010/06/18        |
| Sodium chromate   | 231-889-5               | 7775-11-3                              | 2010/06/18        |
| Potassium dichromate  | 231-906-6               | 7778-50-9                              | 2010/06/18        |
| Boric acid  | 233-139-2,<br>234-343-4 | 10043-35-3,<br>11113-50-1              | 2010/06/18        |
| Trichloroethylene   | 201-167-4               | 79-01-6                                | 2010/06/18        |
| Tetraboron disodium heptaoxide, hydrate   | 235-541-3               | 12267-73-1                             | 2010/06/18        |
| Acrylamide  | 201-173-7               | 79-06-1                                | 2010/03/30        |
| Anthracene oil, anthracene paste, anthracene fraction   | 295-275-9               | 91995-15-2                             | 2010/01/13        |
| Anthracene oil, anthracene-low  | 292-604-8               | 90640-82-7                             | 2010/01/13        |
| Diisobutyl phthalate  | 201-553-2               | 84-69-5                                | 2010/01/13        |
| Anthracene oil, anthracene paste  | 292-603-2               | 90640-81-6                             | 2010/01/13        |
| Tris(2-chloroethyl)phosphate  | 204-118-5               | 115-96-8                               | 2010/01/13        |
| Lead chromate   | 231-846-0               | 7758-97-6                              | 2010/01/13        |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34)  | 215-693-7               | 1344-37-2                              | 2010/01/13        |
| Pitch, coal tar, high temp.   | 266-028-2               | 65996-93-2                             | 2010/01/13        |
| Anthracene oil, anthracene paste, distn. lights   | 295-278-5               | 91995-17-4                             | 2010/01/13        |
| Anthracene oil  | 292-602-7               | 90640-80-5                             | 2010/01/13        |
| 2,4-Dinitrotoluene  | 204-450-0               | 121-14-2                               | 2010/01/13        |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104)   | 235-759-9               | 12656-85-8                             | 2010/01/13        |
| Bis (2-ethylhexyl)phthalate (DEHP)  | 204-211-0               | 117-81-7                               | 2008/10/28        |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)   | 287-476-5               | 85535-84-8                             | 2008/10/28        |
| Lead hydrogen arsenate  | 232-064-2               | 7784-40-9                              | 2008/10/28        |

| Substance Name  | EC Number                     | CAS Number   | Date of inclusion |
|---|-------------------------------|--|-------------------|
| Bis(tributyltin)oxide (TBTO)  | 200-268-0                     | 56-35-9  | 2008/10/28        |
| 4,4'- Diaminodiphenylmethane (MDA)  | 202-974-4                     | 101-77-9   | 2008/10/28        |
| Sodium dichromate   | 234-190-3                     | 7789-12-0,<br>10588-01-9   | 2008/10/28        |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)  | 201-329-4                     | 81-15-2  | 2008/10/28        |
| Benzyl butyl phthalate (BBP)  | 201-622-7                     | 85-68-7  | 2008/10/28        |
| Diarsenic trioxide  | 215-481-4                     | 1327-53-3  | 2008/10/28        |
| Triethyl arsenate   | 427-700-2                     | 15606-95-8   | 2008/10/28        |
| Diarsenic pentaoxide  | 215-116-9                     | 1303-28-2  | 2008/10/28        |
| Anthracene  | 204-371-1                     | 120-12-7   | 2008/10/28        |
| Dibutyl phthalate (DBP)   | 201-557-4                     | 84-74-2  | 2008/10/28        |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | 247-148-4<br>and<br>221-695-9 | 25637-99-4,<br>3194-55-6<br>(134237-50-6) (134237-51-7)<br>(134237-52-8) | 2008/10/28        |

#### Disclaimer

The material content knowledge of EMC electro mechanical components GmbH is based on third party information of certified and accredited analytical laboratories as well as from our contract manufacturers. If EMC electro mechanical components GmbH is a manufacturer of products, EMC has appropriate procedures in place to provide appropriate product information, but EMC electro mechanical components GmbH cannot guarantee the accuracy and completeness of all data. Unless otherwise stated, all data is provided "as is". The information may be used by interested parties as a reference for their assessment of product conformity. EMC electro mechanical components GmbH cannot be held liable for any damage and/or loss.