



REACH Compliance Declaration

REACH/RoHS/WEEE Compliance Declaration

Reference:

Restrictions of Hazardous Substances Directive (RoHS) 2002/95/EC & 2011/65/EU & 2015/863/EU

Waste Electrical and Electronic Equipment (WEEE)

REACH (EC) No 1907/2006

RECTRON LTD. supports the overall REACH objectives of improving the protection of human health and the environment. It is the policy of RECTRON LTD. to provide products that are safe to use and environmentally acceptable. As a result, RECTRON LTD has reviewed our manufacturing processes and materials against the above referenced directives.

We declare that all of our products comply fully with the above directives and do not contain any of the banned SVHC listed below in excess of the allowable concentrations except as currently exempted by RoHS [i.e. Pb in glass (7c-I) and High Temp. solders (7a)]:

REACH Candidate List of SVHC 173

| No. | Substance Name | EC Number | CAS Number |
|-----|--|-------------------------|--|
| 1 | 1,3-propanesultone | 214-317-9 | 1120-71-4 |
| 2 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 223-383-8 | 3864-99-1 |
| 3 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 253-037-1 | 36437-37-3 |
| 4 | Nitrobenzene | 202-716-0 | 98-95-3 |
| 5 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 206-801-3 | 375-95-1 1"21049-39- 0"4140-60-4 |
| 6 | 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 |
| 7 | 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] | - | - |
| 8 | Bis(2-ethylhexyl) phthalate (DEHP) | 204-211-0 | 117-81-7 |
| 9 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 247-384-8 | 25973-55-1 |
| 10 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 223-346-6 | 3846-71-7 |
| 11 | 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) | - | - |
| 12 | Cadmium fluoride | 232-222-0 | 7790-79-6 |
| 13 | Cadmium sulphate | 233-331-6 | 10124-36-4, 31119-53-6 |
| 14 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 239-622-4 | 15571-58-1 |
| 15 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 271-093-5 | 68515-50-4 |
| 16 | Cadmium chloride | 233-296-7 | 10108-64-2 |
| 17 | Sodium peroxometaborate | 231-556-4 | 7632-04-4 |
| 18 | Sodium perborate; perboric acid, sodium salt | 239-172-9; 234-390-0 | - |
| 19 | 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 |
| 20 | Trixylyl phosphate | 246-677-8 | 25155-23-1 |
| 21 | Imidazolidine-2-thione; (2-imidazoline-2-thiol) | 202-506-9 | 96-45-7 |
| 22 | Cadmium sulphide | 215-147-8 | 1306-23-6 |
| 23 | 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 |
| 24 | Lead di(acetate) | 206-104-4 | 301-04-2 |
| 25 | Dihexyl phthalate | 201-559-5 | 84-75-3 |

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| No. | Substance Name | EC Number | CAS Number |
|-----|---|---|---|
| 26 | Ammonium pentadecafluorooctanoate (APFO) | 223-320-4 | 3825-26-1 |
| 27 | Cadmium oxide | 215-146-2 | 1306-19-0 |
| 28 | 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] | - | - |
| 29 | Pentadecafluorooctanoic acid (PFOA) | 206-397-9 | 335-67-1 |
| 30 | Dipentyl phthalate (DPP) | 205-017-9 | 131-18-0 |
| 31 | Cadmium | 231-152-8 | 7440-43-9 |
| 32 | Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 |
| 33 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 204-650-8 | 123-77-3 |
| 34 | 6-methoxy-m-toluidine (p-cresidine) | 204-419-1 | 120-71-8 |
| 35 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 201-861-7 | 88-85-7 |
| 36 | Pentalead tetraoxide sulphate | 235-067-7 | 12065-90-6 |
| 37 | Silicic acid, lead salt | 234-363-3 | 11120-22-2 |
| 38 | 4,4'-oxydianiline and its salts | 202-977-0 | 101-80-4 |
| 39 | 1-bromopropane (n-propyl bromide) | 203-445-0 | 106-94-5 |
| 40 | Furan | 203-727-3 | 110-00-9 |
| 41 | Lead bis(tetrafluoroborate) | 237-486-0 | 13814-96-5 |
| 42 | Diethyl sulphate | 200-589-6 | 64-67-5 |
| 43 | N-pentyl-isopentylphthalate | - | 776297-69-9 |
| 44 | o-aminoazotoluene | 202-591-2 | 97-56-3 |
| 45 | Lead cyanamidate | 244-073-9 | 20837-86-9 |
| 46 | Tetralead trioxide sulphate | 235-380-9 | 12202-17-4 |
| 47 | o-Toluidine | 202-429-0 | 95-53-4 |
| 48 | Dioxobis(stearato)trilead | 235-702-8 | 12578-12-0 |
| 49 | Silicic acid (H ₂ Si ₂ O ₅), 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 |

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| No. | Substance Name | EC Number | CAS Number |
|-----|---|---------------------------------------|---------------------------------------|
| 50 | 4,4'-methylenedi-o-toluidine | 212-658-8 | 838-88-0 |
| 51 | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 214-604-9 | 1163-19-5 |
| 52 | N,N-dimethylformamide | 200-679-5 | 68-12-2 |
| 53 | 4-Aminoazobenzene | 200-453-6 | 60-09-3 |
| 54 | N-methylacetamide | 201-182-6 | 79-16-3 |
| 55 | Heptacosafuorotetradecanoic acid | 206-803-4 | 376-06-7 |
| 56 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 421-150-7 | 143860-04-2 |
| 57 | Pentacosafuorotridecanoic acid | 276-745-2 | 72629-94-8 |
| 58 | Tetraethyllead | 201-075-4 | 78-00-2 |
| 59 | Trilead dioxide phosphonate | 235-252-2 | 12141-20-7 |
| 60 | Lead monoxide (lead oxide) | 215-267-0 | 1317-36-8 |
| 61 | Acetic acid, lead salt, basic | 257-175-3 | 51404-69-4 |
| 62 | Dibutyltin dichloride (DBTC) | 211-670-0 | 683-18-1 |
| 63 | Lead dinitrate | 233-245-9 | 10099-74-8 |
| 64 | Methoxyacetic acid | 210-894-6 | 625-45-6 |
| 65 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | - | - |
| 66 | Pyrochlore, antimony lead yellow | 232-382-1 | 8012-00-8 |
| 67 | Lead titanium trioxide | 235-038-9 | 12060-00-3 |
| 68 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 284-032-2 | 84777-06-0 |
| 69 | Methyloxirane (Propylene oxide) | 200-879-2 | 75-56-9 |
| 70 | Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry] | 201-604-9, 236-086-3, 238-009-9 | 85-42-7, 13149-00-3, 14166-21-3 |
| 71 | Fatty acids, C16-18, lead salts | 292-966-7 | 91031-62-8 |
| 72 | Dimethyl sulphate | 201-058-1 | 77-78-1 |
| 73 | 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] | - | - |
| 74 | Biphenyl-4-ylamine | 202-177-1 | 92-67-1 |
| 75 | 1,2-Diethoxyethane | 211-076-1 | 629-14-1 |
| 76 | Sulfurous acid, lead salt, dibasic | 263-467-1 | 62229-08-7 |

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| No. | Substance Name | EC Number | CAS Number |
|-----|--|-----------|------------|
| 77 | [Phthalato(2-)]dioxotrilead | 273-688-5 | 69011-06-9 |
| 78 | Tricosafuorododecanoic acid | 206-203-2 | 307-55-1 |
| 79 | Lead oxide sulfate | 234-853-7 | 12036-76-9 |
| 80 | Diisopentylphthalate | 210-088-4 | 605-50-5 |
| 81 | Orange lead (lead tetroxide) | 215-235-6 | 1314-41-6 |
| 82 | Lead titanium zirconium oxide | 235-727-4 | 12626-81-2 |
| 83 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 202-453-1 | 95-80-7 |
| 84 | Henicosafuoroundecanoic acid | 218-165-4 | 2058-94-8 |
| 85 | Trilead bis(carbonate)dihydroxide | 215-290-6 | 1319-46-6 |
| 86 | Formamide | 200-842-0 | 75-12-7 |
| 87 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 203-977-3 | 112-49-2 |
| 88 | α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 229-851-8 | 6786-83-0 |
| 89 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC) | 423-400-0 | 59653-74-6 |
| 90 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 202-027-5 | 90-94-8 |
| 91 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 219-514-3 | 2451-62-9 |
| 92 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 202-959-2 | 101-61-1 |
| 93 | [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 |
| 94 | [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 |
| 95 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 203-794-9 | 110-71-4 |
| 96 | 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 |
| 97 | Lead(II) bis(methanesulfonate) | 401-750-5 | 17570-76-2 |
| 98 | Diboron trioxide | 215-125-8 | 1303-86-2 |
| 99 | Lead diazide, Lead azide | 236-542-1 | 13424-46-9 |
| 100 | Calcium arsenate | 231-904-5 | 7778-44-1 |
| 101 | Bis(2-methoxyethyl) phthalate | 204-212-6 | 117-82-8 |
| 102 | Arsenic acid | 231-901-9 | 7778-39-4 |
| 103 | Lead dipicrate | 229-335-2 | 6477-64-1 |
| 104 | Potassium hydroxyoctaoxodizincatedichromate | 234-329-8 | 11103-86-9 |

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| No. | Substance Name | EC Number | CAS Number |
|-----|--|-----------|------------------------|
| 105 | Phenolphthalein | 201-004-7 | 77-09-8 |
| 106 | Bis(2-methoxyethyl) ether | 203-924-4 | 111-96-6 |
| 107 | Pentazinc chromate octahydroxide | 256-418-0 | 49663-84-5 |
| 108 | Zirconia Aluminosilicate Refractory Ceramic Fibres 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 (um). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight | - | - |
| 109 | Trilead diarsenate | 222-979-5 | 3687-31-8 |
| 110 | Dichromium tris(chromate) | 246-356-2 | 24613-89-6 |
| 111 | Formaldehyde, oligomeric reaction products with aniline | 500-036-1 | 25214-70-4 |
| 112 | 1,2-dichloroethane | 203-458-1 | 107-06-2 |
| 113 | 4-(1,1,3,3-tetramethylbutyl)phenol | 205-426-2 | 140-66-9 |
| 114 | Lead styphnate | 239-290-0 | 15245-44-0 |
| 115 | 2,2'-dichloro-4,4'-methylenedianiline | 202-918-9 | 101-14-4 |
| 116 | 2-Methoxyaniline; o-Anisidine | 201-963-1 | 90-04-0 |
| 117 | Aluminosilicate Refractory Ceramic Fibres 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 (um) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight | - | - |
| 118 | N,N-dimethylacetamide | 204-826-4 | 127-19-5 |
| 119 | Cobalt dichloride | 231-589-4 | 7646-79-9 |
| 120 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 276-158-1 | 71888-89-6 |
| 121 | Strontium chromate | 232-142-6 | 7789-06-2 |
| 122 | 2-Ethoxyethyl acetate | 203-839-2 | 111-15-9 |
| 123 | 1,2,3-Trichloropropane | 202-486-1 | 96-18-4 |
| 124 | Hydrazine | 206-114-9 | 302-01-2, 7803-57-8 |
| 125 | 1-Methyl-2-pyrrolidone | 212-828-1 | 872-50-4 |
| 126 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 271-084-6 | 68515-42-4 |

REACH Candidate List of SVHC 173

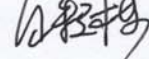
| No. | Substance Name | EC Number | CAS Number |
|-----|---|-------------------------|--|
| 127 | Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. | 231-801-5, 236-881-5 | 7738-94-5, 13530-68-2 |
| 128 | 2-Ethoxyethanol | 203-804-1 | 110-80-5 |
| 129 | Cobalt(II) diacetate | 200-755-8 | 71-48-7 |
| 130 | 2-Methoxyethanol | 203-713-7 | 109-86-4 |
| 131 | Chromium trioxide | 215-607-8 | 1333-82-0 |
| 132 | Cobalt(II) sulphate | 233-334-2 | 10124-43-3 |
| 133 | Cobalt(II) carbonate | 208-169-4 | 513-79-1 |
| 134 | Cobalt(II) dinitrate | 233-402-1 | 10141-05-6 |
| 135 | Potassium chromate | 232-140-5 | 7789-00-6 |
| 136 | Ammonium dichromate | 232-143-1 | 7789-09-5 |
| 137 | Disodium tetraborate, anhydrous | 215-540-4 | 1303-96-4, 1330-43-4, 12179-04-3 |
| 138 | Sodium chromate | 231-889-5 | 7775-11-3 |
| 139 | Potassium dichromate | 231-906-6 | 7778-50-9 |
| 140 | Boric acid | 233-139-2, 234-343-4 | 10043-35-3, 11113-50-1 |
| 141 | Trichloroethylene | 201-167-4 | 79-01-6 |
| 142 | Tetraboron disodium heptaoxide, hydrate | 235-541-3 | 12267-73-1 |
| 143 | Acrylamide | 201-173-7 | 79-06-1 |
| 144 | Anthracene oil, anthracene paste, anthracene fraction | 295-275-9 | 91995-15-2 |
| 145 | Anthracene oil, anthracene-low | 292-604-8 | 90640-82-7 |
| 146 | Diisobutyl phthalate | 201-553-2 | 84-69-5 |
| 147 | Anthracene oil, anthracene paste | 292-603-2 | 90640-81-6 |
| 148 | Tris(2-chloroethyl)phosphate | 204-118-5 | 115-96-8 |
| 149 | Lead chromate | 231-846-0 | 7758-97-6 |
| 150 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 215-693-7 | 1344-37-2 |
| 151 | Pitch, coal tar, high temp. | 266-028-2 | 65996-93-2 |
| 152 | Anthracene oil, anthracene paste, distn. lights | 295-278-5 | 91995-17-4 |
| 153 | Anthracene oil | 292-602-7 | 90640-80-5 |
| 154 | 2,4-Dinitrotoluene | 204-450-0 | 121-14-2 |

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| No. | Substance Name | EC Number | CAS Number |
|-----|---|----------------------------|---|
| 155 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 235-759-9 | 12656-85-8 |
| 156 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 287-476-5 | 85535-84-8 |
| 157 | Lead hydrogen arsenate | 232-064-2 | 7784-40-9 |
| 158 | Bis(tributyltin)oxide (TBTO) | 200-268-0 | 56-35-9 |
| 159 | 4,4'- Diaminodiphenylmethane (MDA) | 202-974-4 | 101-77-9 |
| 160 | Sodium dichromate | 234-190-3 | 7789-12-0, 10588-01-9 |
| 161 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 201-329-4 | 81-15-2 |
| 162 | Benzyl butyl phthalate (BBP) | 201-622-7 | 85-68-7 |
| 163 | Diarsenic trioxide | 215-481-4 | 1327-53-3 |
| 164 | Triethyl arsenate | 427-700-2 | 15606-95-8 |
| 165 | Diarsenic pentaoxide | 215-116-9 | 1303-28-2 |
| 166 | Anthracene | 204-371-1 | 120-12-7 |
| 167 | Dibutyl phthalate (DBP) | 201-557-4 | 84-74-2 |
| 168 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | 247-148-4 and 221-695-9 | 25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8) |
| 169 | 4,4'-isopropylidenediphenol (bisphenol A; BPA) | 201-245-8 | 80-05-7 |
| 170 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 206-400-3 221-470-5 | (335-76-2, 3830-45-3 & 3108-42-7) |
| 171 | Benzo[a]pyrene | 200-028-5 | 50-32-8 |
| 172 | 4-tert-pentylphenol (PTAP) | 201-280-9 | 80-46-6 |
| 173 | 4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] | - | - |



公司名称: 浙江丽正电子有限公司

公司代表: 

公司印章:

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