

ELEKTRISOLA

126 High Street Boscawen, NH 03303 USA ph: 603 796-2114 fx: 603 796-2119

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REACH Information from Elektrisola

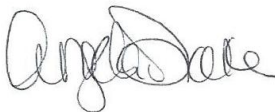
Dear customer,

REACH (**R**egistration, **E**valuation and **A**uthorization of **C**hemicals) in Europe asks for registration of chemical substances in Europe after December 1, 2008. Enamelled wire is not required to be listed, as it is considered as an "article", not as a chemical substance.

ECHA (**E**uropean **C**hemicals **A**gency) has proposed enclosed list of chemicals, which should not be contained in articles of above 0.1 % (w/w) content. Hereby Elektrisola declares that our enamelled wire products fully comply with the regulation of REACH with respect to the Substances of Very High Concern (SVHC) as published by ECHA until today (<https://echa.europa.eu/candidate-list-table>). For the individual chemical please see enclosed list.

All suppliers to European Elektrisola factories are in correspondence with REACH, so no problem of supply should occur.

Please contact us should you have any questions, or if we can be of further assistance.



Angela Drake
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Elektrisola (USA)

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Revision 19: 27 June 2018

Enclosure
List of Chemicals

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**Enclosure to REACH Information from Elektrisola:
SVHC candidate list as of 27th June 2018**

1. 1-bromopropane (n-propyl bromide)
2. 1,2,3-trichloropropane
3. 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione(TGIC)
4. 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)
5. 1,2-benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich
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)
7. 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters
8. 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear
9. 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear
10. 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)
11. 1,2-dichloroethane
12. 1,2-diethoxyethane
13. 1,2-dimethoxyethane; ethylene glycol dimethylether (EGDME)
14. 1,3-propanesultone
15. 1-methyl-2-pyrrolidone
16. 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo [12.2.1.1^{6,9}.0^{2,13}.0^{5,10}]octadeca-7,15-diene ("Dechlorane Plus"TM) [covering any of its individual anti- and syn-isomers or any combination thereof]
17. 2,2'-dichloro-4,4'-methylenedianiline
18. 2,4-dinitrotoluene
19. 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
20. 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
21. 2-ethoxyethanol
22. 2-ethoxyethyl acetate
23. 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)
24. 2-methoxyaniline; o-Anisidine
25. 2-methoxyethanol

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26. 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
 27. 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
 28. 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)
 29. 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
[covering well-defined substances and UVCB substances, polymers and homologues]
 30. 4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octyl phenol
 31. [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)]
 32. 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)
 33. 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)]
 34. 4,4'-diaminodiphenylmethane (MDA)
 35. 4,4'-isopropylidenediphenol (bisphenol A; BPA)
 36. 4,4'-methylenedi-*o*-toluidine
 37. 4,4'-oxydianiline and its salts
 38. [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)]
 39. 4-aminoazobenzene
 40. 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]
 41. 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]
 42. 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]
 43. 4-methyl-*m*-phenylenediamine (toluene-2,4-diamine)

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44. 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]
 45. 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)
 46. 6-methoxy-*m*-toluidine (p-cresidine)
 47. Acetic acid, lead salt, basic
 48. Acrylamide
 49. Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
 50. Aluminosilicate Refractory Ceramic Fibres
(Oxides of aluminium and silicone are present within variable concentration ranges)
 51. Ammonium dichromate
 52. Ammonium pentadecafluorooctanoate (APFO)
 53. Anthracene
 54. Anthracene oil
 55. Anthracene oil, anthracene paste
 56. Anthracene oil, anthracene paste, anthracene fraction
 57. Anthracene oil, anthracene paste, distn. lights
 58. Anthracene oil, anthracene-low
 59. Arsenic acid
 60. Benz[a]anthracene
 61. Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)
 62. Benzo[def]chrysene (Benzo[a]pyrene)
 63. Benzo[ghi]perylene
 64. Benzyl butyl phthalate (BBP)
 65. Biphenyl-4-ylamine
 66. Bis (2-ethylhexyl)phthalate (DEHP)
 67. Bis(2-methoxyethyl) phthalate
 68. Bis(2-methoxyethyl) ether
 69. Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)
 70. Bis(tributyltin)oxide (TBTO)
 71. Boric acid
 72. Calcium arsenate
 73. Cadmium
 74. Cadmium carbonate

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75. Cadmium chloride
 76. Cadmium fluoride
 77. Cadmium hydroxide
 78. Cadmium nitrate
 79. Cadmium oxide
 80. Cadmium sulphate
 81. Cadmium sulphide
 82. Chromic acid, oligomers of chromic acid and dichromic acid
 83. Chromium trioxide
 84. Chrysene
 85. Cobalt dichloride
 86. Cobalt (II) carbonate
 87. Cobalt (II) diacetate
 88. Cobalt (II) dinitrate
 89. Cobalt (II) sulphate
 90. 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]
 91. Decamethylcyclopentasiloxane (D5)
 92. Diarsenic pentaoxide
 93. Diarsenic trioxide
 94. Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))
 95. Diboron trioxide
 96. Dibutyl phthalate (DBP)
 97. Dibutyltin dichloride (DBTC)
 98. Dichromium tris(chromate)
 99. Dicyclohexyl phthalate (DCHP)
 100. Diethyl sulphate
 101. Dihexyl phthalate
 102. Diisobutyl phthalate
 103. Diisopentylphthalate (DIPP)
 104. Dimethyl sulphate

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105. Dinoseb (6-sec-butyl-2,4-dinitrophenol)
 106. Dioxobis(stearato)trilead
 107. Dipentyl phthalate (DPP)
 108. Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
 109. 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)
 110. Disodium octaborate
 111. Disodium tetraborate, anhydrous
 112. Dodecamethylcyclohexasiloxane (D6)
 113. Ethylenediamine (EDA)
 114. Fatty acids, C16-18, lead salts
 115. Furan
 116. Henicosafuoroundecanoic acid
 117. Heptacosafuorotetradecanoic acid
 118. Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:
Alpha-hexabromocyclododecane
Beta-hexabromocyclododecane
Gamma-hexabromocyclododecane
 119. 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]
 120. Imidazolidine-2-thione (2-imidazoline-2-thiol)
 121. Formaldehyde, oligomeric reaction products with aniline (technical MDA)
 122. Formamide
 123. Hydrazine
 124. Lead
 125. Lead(II) bis(methanesulfonate)
 126. Lead bis(tetrafluoroborate)
 127. Lead chromate
 128. Lead chromate molybdate sulphate red (C.I. Pigment Red 104)

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129. Lead cyanamidate
 130. Lead diazide, Lead azide
 131. Lead di(acetate)
 132. Lead dinitrate
 133. Lead dipicrate
 134. Lead hydrogen arsenate
 135. Lead monoxide (Lead oxide)
 136. Lead oxide sulfate
 137. Lead styphnate
 138. Lead sulfochromate yellow (C.I. Pigment Yellow 34)
 139. Lead titanium trioxide
 140. Lead titanium zirconium oxide
 141. Methoxyacetic acid
 142. Methyloxirane (Propylene oxide)
 143. Nitrobenzene
 144. Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
 145. N-methylacetamide
 146. N-pentyl-isopentylphthalate
 147. N,N-dimethylacetamide
 148. N,N-dimethylformamide
 149. N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
 150. o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]
 151. o-toluidine
 152. Octamethylcyclotetrasiloxane (D4)
 153. Orange lead (Lead tetroxide)
 154. p-(1,1-dimethylpropyl)phenol
 155. Pentacosafuorotridecanoic acid
 156. Pentadecafluorooctanoic acid (PFOA)
 157. Pentalead tetraoxide sulphate
 158. Pentazinc chromate octahydroxide
 159. Perfluorohexane-1-sulphonic acid and its salts
 160. Perfluorononan-1-oic-acid and its sodium and ammonium salts
 161. Phenolphthalein
 162. Pitch, coal tar, high temp.

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163. Potassium chromate
 164. Potassium dichromate
 165. Potassium hydroxyoctaoxodizincatedichromate
 166. Pyrochlore, antimony lead yellow
 167. 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)
 168. Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear
 169. Silicic acid ($H_2Si_2O_5$), 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]
 170. Silicic acid, lead salt
 171. Sodium chromate
 172. Sodium dichromate
 173. Sodium perborate; perboric acid, sodium salt
 174. Sodium peroxometaborate
 175. Strontium chromate
 176. Sulfurous acid, lead salt, dibasic
 177. Terphenyl hydrogenated
 178. Tetraboron disodium heptaoxide, hydrate
 179. Tetraethyllead
 180. Tetralead trioxide sulphate
 181. Trichloroethylene
 182. Tricosafuorododecanoic acid
 183. Triethyl arsenate
 184. Tris(2-chloroethyl)phosphate
 185. Trilead bis(carbonate)dihydroxide
 186. Trilead diarsenate
 187. Trilead dioxide phosphonate
 188. Trixylyl phosphate

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189. Zirconia Aluminosilicate Refractory Ceramic Fibres
(Oxides of aluminium, silicon and zirconium are present within variable concentration ranges)
190. [Phthalato(2-)]dioxotrilead
191. 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)]