



REGULATION (EC) No 1907/2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (**REACH**)

Supplier data:

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Herewith, we confirm that all items manufactured by **JSL Material Eléctrico SA** are conformal with the actual REACH Regulations and REACH Regulations Amendment (EC) N° 1907/2006, and none of its products or packaging contain any of the 161 Substances of Very High Concern (SVHC) on the REACH Candidate List, shown below, in a concentration above the 0.1% by weight allowable limit:

Product code:

- 1 Bis (2-ethylhexyl)phthalate (DEHP)
- 2 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
- 3 Cadmium sulphate
- 4 Cadmium fluoride
- 5 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
- 6 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)  
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)
- 7 1,2-Benzenedicarboxylic acid, dihexylester, branched and linear
- 9 Sodium peroxometaborate
- 10 Cadmium chloride
- 11 Sodium perborate,perboric acid, sodium salt
- 12 Trixylyl phosphate
- 13 Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
- 14 Lead di(acetate)
- 15 Cadmium sulphide  
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)
- 16 Dihexyl phthalate
- 17 Imidazolidine-2-thione (2-imidazoline-2-thiol)
- 18 Cadmium oxide
- 19 Pentadecafluorooctanoic acid (PFOA)
- 20 Dipentyl phthalate (DPP)
- 21 Ammonium pentadecafluorooctanoate (APFO)
- 22

- 23 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]
- 24 Cadmium
- 25 Lead dinitrate
- 26 Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
- 27 Henicosaflluoroundecanoic acid
- 28 4,4'-oxydianiline and its salts
- 29 Fatty acids, C16-18, lead salts
- 30 Sulfurous acid, lead salt, dibasic  
Silicic acid ( $H_2SiO_5$ ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for  $\hat{\epsilon}^{\text{TM}}$  toxicity for reproduction  $\hat{\epsilon}^{\text{TM}}$  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]
- 31 4-Aminoazobenzene
- 32 o-aminoazotoluene
- 33 Tricosaflluorododecanoic acid
- 34 Trilead bis(carbonate) dihydroxide
- 35 Lead cyanamidate
- 36 Biphenyl-4-ylamine
- 37 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]
- 38 Pentalead tetraoxide sulphate
- 39 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]
- 40 Lead titanium trioxide
- 41 Dioxobis(stearato)trilead
- 42 N-pentyl-isopentylphthalate
- 43 Acetic acid, lead salt, basic
- 44 1-bromopropane (n-propyl bromide)
- 45 Heptacosaflluorotetradecanoic acid
- 46 Furan
- 47 1,2-Diethoxyethane
- 48 N,N-dimethylformamide
- 49 Methyloxirane (Propylene oxide)
- 50 Pentacosaflluorotridecanoic acid
- 51 6-methoxy-m-toluidine (p-cresidine)
- 52 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]
- 53 4-methyl-m-phenylenediamine (toluene-2,4-diamine)
- 54 o-Toluidine
- 55 Silicic acid, lead salt
- 56 Tetralead trioxide sulphate
- 57 Trilead dioxide phosphonate
- 58 4,4'-methylenedi-o-toluidine
- 59

- 60 Lead titanium zirconium oxide
- 61 Tetraethyllead
- 62 Dimethyl sulphate
- 63 Diisopentylphthalate
- 64 Lead monoxide (lead oxide)
- 65 [Phthalato(2-)]dioxotrilead
- 66 Orange lead (lead tetroxide)
- 67 Pyrochlore, antimony lead yellow
- 68 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear  
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]
- 69 Diethyl sulphate
- 70 N-methylacetamide
- 71 Methoxyacetic acid
- 72 Lead bis(tetrafluoroborate)
- 73 Dibutyltin dichloride (DBTC)
- 74 Dinoseb (6-sec-butyl-2,4-dinitrophenol)
- 75 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
- 76 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)
- 77 Lead oxide sulfate
- 78 [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with  $\hat{\%}\% 0.1\%$  of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]
- 79 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)
- 80 1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)
- 81 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\hat{2}$ -TGIC)
- 82 Lead(II) bis(methanesulfonate)
- 83 Formamide
- 84 1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)
- 85 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)
- 86 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with  $\hat{\%}\% 0.1\%$  of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]
- 87 [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with  $\hat{\%}\% 0.1\%$  of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]
- 88 Diboron trioxide
- 89 N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
- 90  $\hat{1}\pm, \hat{1}\pm$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with  $\hat{\%}\% 0.1\%$  of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]
- 91 Arsenic acid
- 92 Lead dipicrate
- 93 2-Methoxyaniline, o-Anisidine
- 94 Bis(2-methoxyethyl) ether
- 95 Pentazinc chromate octahydroxide
- 96 Bis(2-methoxyethyl) phthalate
- 97 4-(1,1,3,3-tetramethylbutyl)phenol
- 98 1,2-Dichloroethane
- 99

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 ( $\hat{A}\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight

100

Dichromium tris(chromate)

101

Trilead diarsenate

102

Calcium arsenate

103

Phenolphthalein

104

Lead styphnate

105

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 ( $\hat{A}\mu\text{m}$ ). c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight

106

Potassium hydroxyoctaoxidizincatedichromate

107

2,2'-dichloro-4,4'-methylenedianiline

108

Lead diazide, Lead azide

109

N,N-dimethylacetamide

110

Formaldehyde, oligomeric reaction products with aniline

111

Cobalt dichloride

112

2-Ethoxyethyl acetate

113

1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters

114

1-Methyl-2-pyrrolidone (NMP)

115

1,2,3-trichloropropane

116

Hydrazine

117

1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich

118

Strontium chromate

119

Cobalt(II) diacetate

120

Cobalt(II) carbonate

121

Cobalt(II) dinitrate

122

Chromium trioxide

123

Cobalt(II) sulphate

124

2-Ethoxyethanol

125

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.

126

2-Methoxyethanol

127

Potassium dichromate

128

Ammonium dichromate

129

Trichloroethylene

130

Boric acid

131

Tetraboron disodium heptaoxide, hydrate

132

Potassium chromate

133

Disodium tetraborate, anhydrous

134

Sodium chromate

135

- 136 Acrylamide
- 137 Anthracene oil, anthracene paste, anthracene fraction
- 138 2,4-Dinitrotoluene
- 139 Lead sulfochromate yellow (C.I. Pigment Yellow 34)
- 140 Anthracene oil, anthracene paste, distn. lights
- 141 Tris(2-chloroethyl)phosphate
- 142 Anthracene oil
- 143 Diisobutyl phthalate
- 144 Pitch, coal tar, high temp.
- 145 Lead chromate
- 146 Lead chromate molybdate sulphate red (C.I. Pigment Red 104)
- 147 Anthracene oil, anthracene paste
- 148 Anthracene oil, anthracene-low
- 149 Anthracene
- 150 Diarsenic pentaoxide
- Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane  
Beta-hexabromocyclododecane Gamma-hexabromocyclododecane
- 151
- 152 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
- 153 Triethyl arsenate
- 154 Bis(tributyltin) oxide (TBTO)
- 155 4,4'- Diaminodiphenylmethane (MDA)
- 156 Dibutyl phthalate (DBP)
- 157 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)
- 158 Sodium dichromate
- 159 Lead hydrogen arsenate
- 160 Benzyl butyl phthalate (BBP)
- 161 Diarsenic trioxide

Queluz de baixo, December 17, 2014

JSL Material Eléctrico SA

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R&D Manager