



## Wall Industries, Inc.

### Certificate of non-use of REACH Directive 191 Substances of Very High Concern (SVHC)

We hereby certify the products supplied to your company conform to the criterion of EC 1907/2006 REACH directive in connection with 191 substances of very high concern as follows: Prohibit substances

1. Triethyl arsenate < 0.1%
2. Anthracene < 0.1%
3. 4,4'- Diaminodiphenylmethane(MDA) < 0.1%
4. Dibutyl phthalate(DBP) < 0.1%
5. Cobalt dichromate < 0.1%
6. Diarsenic pentraoxide < 0.1%
7. Diarsenic trioxide < 0.1%
8. Sodium dichromate < 0.1%
9. 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) < 0.1%
10. Bis (2-ethylhexyl)phthalate (DEHP) < 0.1%
11. Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:
  - Alpha-hexabromocyclododecane < 0.1%
  - Beta-hexabromocyclododecane < 0.1%
  - Gamma-hexabromocyclododecane < 0.1%
12. Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) < 0.1%
13. Bis(tributyltin)oxide (TBTO) < 0.1%
14. Lead hydrogen arsenate < 0.1%
15. Benzyl butyl phthalate (BBP) < 0.1%
16. Anthracene oil < 0.1%
17. Anthracene oil, anthracene paste, distn. lights < 0.1%
18. Anthracene oil, anthracene paste, anthracene fraction < 0.1%
19. Anthracene oil, anthracene-low < 0.1%
20. Anthracene oil, anthracene paste < 0.1%
21. Pitch, coal tar, high temp. < 0.1%
22. 2,4-Dinitrotoluene < 0.1%
23. Diisobutyl phthalate < 0.1%
24. Lead chromate < 0.1%
25. Lead sulfochromate yellow (C.I. Pigment Yellow 34) < 0.1%

26. Lead chromate molybdate sulphate red (C.I. Pigment Red 104) < 0.1%
27. Tris(2-chloroethyl)phosphate < 0.1%
28. Ammonium dichromate < 0.1%
29. Disodium tetraborate, anhydrous < 0.1%
30. Boric acid < 0.1%
31. Potassium chromate < 0.1%
32. Sodium chromate < 0.1%
33. Tetraboron disodium heptaoxide, hydrate < 0.1%
34. Trichloroethylene < 0.1%
35. Potassium dichromate < 0.1%
36. Acrylamide < 0.1%
37. Cobalt(II) carbonate < 0.1%
38. Cobalt(II) diacetate < 0.1%
39. Cobalt(II) dinitrate < 0.1%
40. Cobalt(II) sulphate < 0.1%
41. 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. < 0.1%
42. Chromium trioxide < 0.1%
43. 2-Ethoxyethanol < 0.1%
44. 2-Methoxyethanol < 0.1%
45. 2-Ethoxyethyl acetate < 0.1%
46. Strontium chromate < 0.1%
47. 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters < 0.1%
48. Hydrazine < 0.1%
49. 1-Methyl-2-pyrrolidone < 0.1%
50. 1,2,3-Trichloropropane < 0.1%
51. 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich < 0.1%
52. 2,2'-dichloro-4,4'-methylenedianiline < 0.1%
53. Lead styphnate < 0.1%
54. Dichromium tris(chromate) < 0.1%
55. Phenolphthalein < 0.1%
56. Lead diazide, Lead azide < 0.1%
57. 4-(1,1,3,3-tetramethylbutyl)phenol < 0.1%
58. Bis(2-methoxyethyl) ether < 0.1%
59. Formaldehyde, oligomeric reaction products with aniline < 0.1%
60. Pentazinc chromate octahydroxide < 0.1%
61. 1,2-dichloroethane < 0.1%
62. Trilead diarsenate < 0.1%
63. 2-Methoxyaniline; o-Anisidine < 0.1%
64. Arsenic acid < 0.1%
65. N,N-dimethylacetamide < 0.1%
66. Lead dipicrate < 0.1%
67. Potassium hydroxyoctaoxodizincatedichromate < 0.1%
68. Aluminosilicate Refractory Ceramic Fibres < 0.1%

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 ( $\mu\text{m}$ ) 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

69. Bis(2-methoxyethyl) phthalate < 0.1%

70. Calcium arsenate < 0.1%

71. Zirconia Aluminosilicate Refractory Ceramic Fibres < 0.1%

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 ( $\mu\text{m}$ ). 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

72. 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) < 0.1%

73. 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) < 0.1%

74. [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)] < 0.1%

75. 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) < 0.1%

76. [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)] < 0.1%

77. Formamide < 0.1%

78. Lead(II) bis(methanesulfonate) < 0.1%

79. 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)] < 0.1%

80. 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) < 0.1%

81. Diboron trioxide < 0.1%

82. 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC) < 0.1%

83. N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) < 0.1%

84.  $\alpha,\alpha$ -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)] < 0.1%

85. Pyrochlore, antimony lead yellow < 0.1%

86. 6-methoxy-m-toluidine (p-cresidine) (2-Methoxy-5-methylaniline) < 0.1%

87. Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride < 0.1%

88. Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) < 0.1%

89. Dibutyltin dichloride (DBTC) < 0.1%

90. Lead bis(tetrafluoroborate) < 0.1%

91. Lead dinitrate < 0.1%

92. Silicic acid, lead salt < 0.1%
93. 4-Aminoazobenzene < 0.1%
94. Lead titanium zirconium oxide < 0.1%
95. Lead monoxide (lead oxide) < 0.1%
96. o-Toluidine < 0.1%
97. 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine < 0.1%
98. Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>), barium salt (1:1), lead-doped < 0.1%
- [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]*
99. Trilead bis(carbonate)dihydroxide < 0.1%
100. Furan < 0.1%
101. N,N-dimethylformamide < 0.1%
102. 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated < 0.1%
- [covering well-defined substances and UVCB substances, polymers and homologues]*
103. 4-Nonylphenol, branched and linear < 0.1%
- [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]*
104. 4,4'-methylenedi-o-toluidine < 0.1%
105. Diethyl sulphate < 0.1%
106. Dimethyl sulphate < 0.1%
107. Lead oxide sulfate < 0.1%
108. Lead titanium trioxide < 0.1%
109. Acetic acid, lead salt, basic < 0.1%
110. [Phthalato(2-)]dioxotrilead < 0.1%
111. Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) < 0.1%
112. N-methylacetamide < 0.1%
113. Dinoseb (6-sec-butyl-2,4-dinitrophenol) < 0.1%
114. 1,2-Diethoxyethane < 0.1%
115. Tetralead trioxide sulphate < 0.1%
116. N-pentyl-isopentylphthalate < 0.1%
117. Dioxobis(stearato)trilead < 0.1%
118. Tetraethyllead < 0.1%
119. Pentalead tetraoxide sulphate < 0.1%
120. Pentacosafuorotridecanoic acid < 0.1%
121. Tricosafuorododecanoic acid < 0.1%
122. Henicosafuoroundecanoic acid < 0.1%
123. Heptacosafuorotetradecanoic acid < 0.1%
124. 1-bromopropane (n-propyl bromide) < 0.1%
125. Methoxyacetic acid < 0.1%

126. 4-methyl-m-phenylenediamine (toluene-2,4-diamine) < 0.1%
127. Methyloxirane (Propylene oxide) < 0.1%
128. Trilead dioxide phosphonate < 0.1%
129. o-aminoazotoluene < 0.1%
130. 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear < 0.1%
131. 4,4'-oxydianiline and its salts < 0.1%
132. Orange lead (lead tetroxide) < 0.1%
133. Biphenyl-4-ylamine < 0.1%
134. Diisopentylphthalate(DIPP) < 0.1%
135. Fatty acids, C16-18, lead salts < 0.1%
136. Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) < 0.1%
137. Sulfurous acid, lead salt, dibasic < 0.1%
138. Lead cyanamidate < 0.1%
139. Cadmium < 0.1%
140. Cadmium oxide < 0.1%
141. Ammonium pentadecafluorooctanoate (APFO) < 0.1%
142. Pentadecafluorooctanoic acid (PFOA) < 0.1%
143. Dipentyl phthalate (DPP) < 0.1%
144. 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] < 0.1%
145. Cadmium sulphide < 0.1%
146. Dihexyl phthalate < 0.1%
147. Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) < 0.1%
148. 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) < 0.1%
149. Imidazolidine-2-thione; (2-imidazoline-2-thiol) < 0.1%
150. Lead di(acetate) < 0.1%
151. Trixylyl phosphate < 0.1%
152. 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear < 0.1%
153. Cadmium chloride < 0.1%
154. Sodium peroxometaborate < 0.1%
155. Sodium perborate; perboric acid, sodium salt < 0.1%
156. Bis(2-ethylhexyl) phthalate (DEHP) < 0.1%
157. Cadmium fluoride < 0.1%
158. Cadmium sulphate < 0.1%
159. Dibutyl phthalate (DBP) < 0.1%
160. Diisobutyl phthalate (DIBP) < 0.1%
161. 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) <0.1%**

**162. 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<0.1%**

**163. 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]<0.1%**

**164. Nitrobenzene**

**165. 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)**

**166. 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)**

**167. 1,3-propanesultone**

**168. Perfluorononan-1-oic-acid and its sodium and ammonium salts**

**169. Benzo[def]chrysene**

**170. p-(1,1-dimethylpropyl)phenol**

**171. Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts**

**172. 4-heptylphenol, branched and linear**

**173. 4,4'-isopropylidenediphenol**

**174. Perfluorohexane-1-sulphonic acid and its salts**

**175. 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 (4-HPbl)**

**176. Chrysene**

**177. Cadmium nitrate**

**178. Cadmium hydroxide**

**179. Cadmium carbonate**

**180. Benz[a]anthracene**

**181. 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>)**

**182. Terphenyl, hydrogenated**

**183. Octamethylcyclotetrasiloxane**

**184. Lead**

**185. Ethylenediamine**

**186. Dodecamethylcyclohexasiloxane**

**187. Disodium octaborate**

188. Dicyclohexyl phthalate

189. Decamethylcyclopentasiloxane

190. Benzo[ghi]perylene

191. Benzene-1,2,4-tricarboxylic acid 1,2 anhydride

*Signature:* Charles Bielefeld  
*Title:* Quality Assurance  
*Date:* 2018-07-15