

January 21, 2013

## **REACH EC/1907-2006 SVHC ANNEX 1 COMPLIANCE**

Please be advised that this certification covers all exclusive proprietary Richco products that are presented on our global websites [www.richco-inc.com](http://www.richco-inc.com). This also covers proprietary products specified as uncontrolled documents in our Catalogues listed below,

1. North America Version edition 29
  2. European Version 30
  3. EMI Filtering Solutions Edition 3
  4. Asia Version 29
- (collectively, "Products")

This certification covers all materials under the general classification of plastics, rubber, metal, coatings, adhesives, and any other materials.

Richco Inc. does not manufacture chemicals, substances or preparations. Therefore, we do not participate in the new European Union law on chemicals and their safe use called **REACH EC/1907-2006 – Registration, Evaluation, Authorisation and Restriction of Chemicals** ("REACH"). Richco Inc. does, however, manufacture the Products, which are considered Articles under the REACH Directive. Our Products do not have any intended releases.

Under the REACH Directive, the European Chemicals Agency ("ECHA") has issued a Candidate List of Substances of Very High Concern (SVHC), which was updated on December 19, 2012. SVHC includes the following:

1. a, a-Bis [4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol CAS 6786-83-0 EC 229-851-8
2. Acetic acide, lead salt, basic CAS 51404-69-4 EC 257-175-3
3. Acrylamide CAS 79-06-1 EC 201-173-7
4. Alkanes, C10-13,chloro(Short Chain Chlorinated Paraffins) CAS 85535-84-8 EC 287-476-5
5. Aluminosilicate Refractory Ceramic Fibres CAS 650-017-00-8
6. 4-Aminoazobenzene CAS 60-09-3 EC 200-453-6
7. Ammonium dichromate CAS 7789-09-5 EC 232-143-1
8. [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride CAS 2580-56-5 EC 219-943-6
9. Anthracene CAS 120-21-7 EC 204-371-1
10. Anthracene oil CAS 90640-80-5 EC 292-602-7
11. Anthracene oil, anthracene paste, distn. lights CAS 91995-17-4 EC 295-278-5

12. Anthracene oil, anthracene paste, anthracene fraction CAS 91995-15-2 EC 295-275-9
13. Anthracene oil, anthracene-low CAS 90640-82-7 EC 292-604-8
14. Anthracene oil, anthracene paste CAS 90640-81-6 EC 292-603-2
15. Arsenic acid CAS 7778-39-4 EC 231-901-9
16. Benzyl butyl phthalate CAS 85-68-7 EC 201-622-7
17. 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters CAS 68515-42-4 EC 271-084-6
18. 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich CAS 71888-89-6 EC 276-158-1
19. 1,2 Benzenedicarboxylic acid, dipentylester, branched and linear CAS 84777-06-0 EC 284-032-2
20. Biphenyl-4-ylamine CAS 92-67-1 EC 202-177-1
21. 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) CAS 112-49-2 EC 203-977-3
22. 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) CAS 90-94-8 EC 202-027-5
23. [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) CAS 548-62-9 EC 208-953-6
24. Bis(2-ethylhexyl) phthalate (DEHP) CAS 117-81-7 EC 204-211-0
25. Bis(2-methoxyethyl) ether CAS 111-96-6 EC 203-924-4
26. Bis(tributyltin)oxide (TBTO) CAS 56-35-9 EC 200-268-0
27. Bis(2-methoxyethyl) phthalate CAS 117-82-8 EC 204-212-6
28. Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) CAS 1163-19-5 EC 214-604-9
29. a,a-Bis [4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) CAS 6786-83-0 EC 229-851-8
30. 1,2-bis (2-methoxyethoxy) ethane (TEGDME; triglyme) CAS 112-49-2 EC 203-977-3
31. 4,4'-bis (dimethylamino)-4''-(methylamino)trityl alcohol CAS 561-41-1 EC 209-218-2
32. Boric acid CAS 10043-35-3/11113-50-1 EC 233-139-2/234-343-4
33. 1-bromopropane (n-propyl bromide) CAS 106-94-5 EC 203-445-0
34. Calcium arsenate CAS 7778-44-1 EC 231-904-5
35. Chromic acid CAS 7738-94-5 EC 231-801-5
36. Oligomers of chromic acid and dichromic acid CAS 13530-68-2 EC 236-881-5
37. Chromium trioxide CAS 1333-82-0 EC 215-607-8
38. Cobalt dichloride CAS 7646-79-9 EC 231-589-4
39. Cobalt(II) carbonate CAS 513-79-1 EC 208-169-4
40. Cobalt(II) diacetate CAS 71-48-7 EC 200-755-8
41. Cobalt(II) dinitrate CAS 10141-05-6 EC 233-402-1
42. Cobalt(II) sulphate CAS 10124-43-3 EC 233-334-2
43. (1) Cyclohexane-1,2-dicarboxylic anhydride, (2) cis-cyclohexane-1, 2-dicarboxylic anhydride, (3) transcyclohexane-1, 2-dicarboxylic anhydride CAS 85-42-7, 13149-00-3, 14166-21-3 EC , 201-604-0, 236-086-3, 238-009-9
44. 4,4'-Diaminodiphenylmethane CAS 101-77-9 EC 202-974-4
45. Diarsenic pentoxide CAS 1303-28-2 EC 215-116-9
46. Diarsenic trioxide CAS 1327-53-3 EC 215-481-4

47. Diazene-1,2-dicarboxamide (C, C'-azodi(formamide)) CAS 123-77-3 EC 204-650-8
48. Diisopentylphthalate CAS 605-50-5 EC 210-088-4
49. Dibutyl phthalate (DBP) CAS 84-74-2 EC 201-557-4
50. Dibron trioxide CAS 1303-86-2 EC 215-125-8
51. Dibutyltin dichloride (DBTC) CAS 683-18-1 EC 211-670-0
52. Diboron trioxide CAS 1303-86-2 EC 215-125-8
53. Dichromium tris(chromate) CAS 24613-89-6 EC 246-356-2
54. 2,2'-dichloro-4,4'-methylenedianiline CAS 101-14-4 EC 202-918-9
55. 1,2-dichloroethane CAS 107-06-2 EC 203-458-1
56. Diethyl sulphate CAS 64-67-5 EC 200-589-6
57. 1,2-Diethoxyethane CAS 629-14-1 EC 211-076-1
58. Diisobutyl phthalate CAS 84-69-5 EC 201-553-2
59. Dimethyl sulphate CAS 77-78-1 EC 201-058-1
60. 1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME) CAS 110-71-4 EC 203-794-9
61. Dinoseb (6-sec-butyl-2,4-dinitrophenol) CAS 88-85-7 EC 201-861-7
62. Dioxobis(stearato)trilead CAS 12578-12-0 EC 235-702-8
63. Disodium tetraborate, anhydrous CAS 1330-43-4,12179-04-3, 1303-96-4 EC 215-540-4
64. 2,4-Dinitrotoluene CAS 121-14-2 EC 204-450-0
65. 2-Ethoxyethyl acetate CAS 111-15-9 EC 203-839-2
66. 2-Ethoxyethanol CAS 110-80-5 EC 203-804-1
67. 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine CAS 143860-04-2 EC 421-150-7
68. Fatty acids, C16-18, lead salts CAS 91031-62-8 EC 292-966-7
69. Formaldehyde, oligomeric reaction products aniline CAS 25214-70-4 EC 500-036-1
70. Formamide CAS 75-12-7 EC 200-842-0
71. Furan CAS 110-00-9 EC 203-727-3
72. Henicosaflluoroundecanoic acid CAS 2058-94-8 EC 218-165-4
73. Heptacosaflluorotetradecanoic acid CAS 376-06-7 EC 206-803-4
74. Hexabromocyclododecane (HBCDD) CAS 25637-99-4, 3194-55-6 (134237-50-6) EC 247-148-4, 221-695-9
75. (1) Hexahydromethylphthalic anhydride, (2) Hexahydro-4-methylphthalic anhydride, (3) Hexahydro-1-methylphthalic anhydride, (4) Hexahydro-3-methylphthalic anhydride CAS 25550-51-0, 19438-60-9, 481222-14-1, 57110-29-9 EC 247-094-1, 243-072-0, 256-356-4, 260-566-1
76. Hydrazine CAS 302-01-2/7803-57-8 EC 206-114-9
77. Lead bis (tetrafluoroborate) CAS 13814-96-5 EC 237-486-0
78. Lead(II) bis(methanesulfonate) CAS 17570-76-2 EC 401-750-5
79. Lead chromate CAS 7758-97-6 EC 231-846-0
80. Lead chromate molybdate sulphate red (C.I. Pigment Red 104) CAS 12656-85-8 EC 235-759-9
81. Lead cyanamidate CAS 20837-86-9 EC 244-073-9
82. Lead diazide, Lead azide CAS 13424-46-9 EC 236-542-1
83. Lead dinitrate CAS 10099-74-8 EC 233-245-9

84. Lead dipicrate CAS 6477-64-1 EC 229-335-2
85. Lead hydrogen arsenate CAS 7784-40-9 EC 232-064-2
86. Lead monoxide (lead oxide) CAS 1317-36-8 EC 215-267-0
87. Lead oxide sulfate CAS 12036-76-9 EC 234-853-7
88. Lead styphnate CAS 15245-44-0 EC 239-290-0
89. Lead sulfochromate yellow (C.I. Pigment Yellow 34) CAS 1344-37-2 EC 215-693-7
90. Lead titanium trioxide CAS 12060-00-3 EC 235-038-9
91. Lead titanium zirconium oxide CAS 12626-81-2 EC 235-727-4
92. 1-Methyl-2-pyrrolidone CAS 872-50-4 EC 212-828-1
93. 2-Methoxyaniline; o-Anisidine CAS 90-04-0 EC 201-963-1
94. 2-Methoxyethanol CAS 109-86-4 EC 203-713-7
95. 6-methoxy-m-toluidine (p-cresidine) CAS 120-71-8 EC 204-419-1
96. 4-methyl-m-phenylenediamine (toluene-2,4-diamine) CAS 95-80-7 EC 202-453-1
97. 4,4'-methylenedi-o-toluidine CAS 838-88-0 EC 212-658-8
98. Methyloxirane (Propylene oxide) CAS 75-56-9 EC 200-879-2
99. Methoxyacetic acid CAS 625-45-6 EC 210-894-6
100. N, N-dimethylformamide CAS 68-12-2 EC 200-679-5
101. N, N-dimethylacetamide CAS 127-19-5 EC 204-826-4
102. N, N, N', N'-tetramethyl-4,4'-methylenedianiline CAS 101-61-1 EC 202-959-2
103. N-methylacetamide CAS 79-16-3 EC 201-182-6
104. 4-Nonylphenol
105. N-pentyl-isopentylphthalate CAS 776297-69-9
106. o-aminoazotoluene CAS 97-56-3 EC 202-591-2
107. Orange lead (lead tetroxide) CAS 1314-41-6 EC 215-235-6
108. 4,4'-oxydianiline and its salts CAS 101-80-4 EC 202-977-0
109. Pentalead tetraoxide sulphate CAS 12065-90-6 EC 235-067-7
110. Pentazinc chromate octahydroxide CAS 49663-84-5 EC 256-418-0
111. Pentacosafuorotridecanoic acid CAS 72629-94-8 EC 276-745-2
112. Phenolphthalein CAS 77-09-8 EC 201-004-7
113. [Phthalato(2-)]dioxotrilead CAS 69011-06-9 EC 273-688-5
114. Pitch, coal tar, high temp. CAS 65996-93-2 EC 266-028-2
115. Potassium chromate CAS 7789-00-6 EC 232-140-5
116. Potassium dichromate CAS 7778-50-9 EC 231-906-6
117. Potassium hydroxyoctaoxidizincatedichromate CAS 11103-86-9 EC 234-329-8
118. Pyrochlore, antimony lead yellow CAS 8012-00-8 EC 232-382-1
119. Silicic acid, lead salt CAS 11120-22-2 CAS 234-363-3
120. Silicic acid (H<sub>2</sub>OSi<sub>2</sub>O<sub>5</sub>), barium salt CAS 68784-75-8 EC 272-271-5
121. Sodium chromate CAS 7775-11-3 EC 231-889-5
122. Sodium dichromate CAS 7789-12-0 10588-01-9 EC 234-190-3
123. Strontium chromate CAS 7789-06-2, 10588-01-9 EC 232-142-6
124. Sulfurous acid, lead salt, dibasic CAS 62229-08-7 EC 263-467-1
125. 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene) CAS 81-15-2 EC 201-329-4
126. Tetraboron disodium heptaoxide, hydrate CAS 12267-73-1 EC 235-541-3

127. Tetraethyllead CAS 78-00-2 EC 201-075-4
128. Tetralead trioxide sulphate CAS 12202-17-4 EC 235-380-9
129. 4-(1,1,3,3-tetramethylbutyl)phenol CAS 140-66-9 EC 205-426-2
130. 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
131. o-Toluidine CAS 95-53-4 EC 202-429-0
132. Trichloroethylene CAS 79-01-6 EC 201-167-4
133. 1,2,3-Trichloropropane CAS 96-18-4 EC 202-486-1
134. Tricosafuorotetradecanoic acid CAS 307-55-1 EC 206-203-2
135. Triethyl arsenate CAS 15606-95-8 EC 427-700-2
136. Trilead dioxide phosphonate CAS 12141-20-7 EC 235-252-2
137. Trielead bis(carbonate)dihydroxide CAS 1319-46-6 EC 215-290-6
138. Trilead diarsenate CAS 3687-31-8 EC 222-979-5
139. Tris (2-chloroethyl) phosphate CAS 115-96-8 EC 204-118-5
140. 1,3,5-tris [(2S and 2R)-2, 3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) CAS 59653-74-6 EC 423-400-0
141. 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) CAS 2451-62-9 EC 219-514-3
142. Zirconia Aluminosilicate, Refractory Ceramic Fibres CAS 650-017-00-8

Based on the information available to us from our raw materials suppliers, to the best of Richco's knowledge and belief, all Products previously referred comply with the REACH Directive as it relates to the SVHC.

The SVHC will be updated in the future by the ECHA. At that time, Richco Inc. will issue another certification that will reflect the updated SVHC.

This document is valid without signature and replaces all former statements made by Richco Inc. concerning REACH and the SVHC.

Should you require further information, please contact [marketing@richco-inc.com](mailto:marketing@richco-inc.com) or [sales@richco-inc.com](mailto:sales@richco-inc.com).

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