Material Content Data Sheet

Conformity with electrical and electronic equipment substances regulation
SEMIX®3p / Rev. 06 – 22.07.2019

SEMIX®3p

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SEMIX®3p / Material Content Data Sheet

Conformity with electrical and electronic equipment substances regulation

SEMIX®3p / Rev. 06 – 22.07.2019

<table>
<thead>
<tr>
<th>Product Group</th>
<th>SEMIX®3p</th>
<th>Weight</th>
<th>350[g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.</td>
<td>Basic Substance</td>
<td>GADSL / SVHC</td>
<td>Mass [g]</td>
</tr>
<tr>
<td>7440-50-8</td>
<td>Copper</td>
<td>D</td>
<td>221,249</td>
</tr>
<tr>
<td>9016-75-5</td>
<td>Polyphenylene sulfide</td>
<td>-</td>
<td>41,0805</td>
</tr>
<tr>
<td>-</td>
<td>VMQ</td>
<td>-</td>
<td>35,0822</td>
</tr>
<tr>
<td>-</td>
<td>GF-Fibre</td>
<td>-</td>
<td>27,8540</td>
</tr>
<tr>
<td>7440-31-5</td>
<td>Tin</td>
<td>-</td>
<td>11,4460</td>
</tr>
<tr>
<td>7439-89-6</td>
<td>Iron</td>
<td>-</td>
<td>4,7096</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>Aluminium oxide</td>
<td>-</td>
<td>4,0860</td>
</tr>
<tr>
<td>7440-66-6</td>
<td>Zinc (metal)</td>
<td>-</td>
<td>1,7389</td>
</tr>
<tr>
<td>7429-90-5</td>
<td>Aluminium (metal)</td>
<td>-</td>
<td>1,0378</td>
</tr>
<tr>
<td>7440-21-3</td>
<td>Silicon</td>
<td>-</td>
<td>0,7331</td>
</tr>
<tr>
<td>7440-36-0</td>
<td>Antimony</td>
<td>-</td>
<td>0,5724</td>
</tr>
<tr>
<td>7440-02-0</td>
<td>Nickel</td>
<td>D</td>
<td>0,4159</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>-</td>
<td>0,3425</td>
</tr>
<tr>
<td>112945-52-5</td>
<td>Silica, amorphous fumed</td>
<td>-</td>
<td>0,0950</td>
</tr>
<tr>
<td>7439-92-1</td>
<td>Lead(1)</td>
<td>DP / SVHC</td>
<td>0,0149</td>
</tr>
<tr>
<td>7439-96-5</td>
<td>Manganese</td>
<td>-</td>
<td>0,0529</td>
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<tr>
<td>7723-14-0</td>
<td>Phosphorus</td>
<td>-</td>
<td>0,0521</td>
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<tr>
<td>7440-47-3</td>
<td>Chromium</td>
<td>-</td>
<td>0,0484</td>
</tr>
<tr>
<td>7440-22-4</td>
<td>Silver</td>
<td>D</td>
<td>0,0313</td>
</tr>
<tr>
<td>-</td>
<td>Acrylic resin</td>
<td>-</td>
<td>0,0258</td>
</tr>
<tr>
<td>7439-98-7</td>
<td>Molybdenum</td>
<td>-</td>
<td>0,0195</td>
</tr>
<tr>
<td>7440-44-0</td>
<td>Carbon</td>
<td>-</td>
<td>0,0190</td>
</tr>
<tr>
<td>-</td>
<td>Mineral powder</td>
<td>-</td>
<td>0,0140</td>
</tr>
<tr>
<td>1317-36-8</td>
<td>Lead-monooxide(1)</td>
<td>DP / SVHC</td>
<td>0,0091</td>
</tr>
<tr>
<td>7440-62-2</td>
<td>Vanadium</td>
<td>-</td>
<td>0,0085</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
<td>-</td>
<td>0,0054</td>
</tr>
<tr>
<td>60676-86-0</td>
<td>Silica, vitreous</td>
<td>-</td>
<td>0,0040</td>
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<tr>
<td>7440-48-4</td>
<td>Cobalt</td>
<td>D</td>
<td>0,0037</td>
</tr>
<tr>
<td>7439-95-4</td>
<td>Magnesium (metal)</td>
<td>-</td>
<td>0,0031</td>
</tr>
<tr>
<td>7440-32-6</td>
<td>Titanium</td>
<td>-</td>
<td>0,0025</td>
</tr>
<tr>
<td>7704-34-9</td>
<td>Sulphur</td>
<td>-</td>
<td>0,0016</td>
</tr>
<tr>
<td>7782-44-7</td>
<td>Oxygen</td>
<td>-</td>
<td>0,0013</td>
</tr>
<tr>
<td>58698-66-1</td>
<td>1,3-Isobenzofurandione, 5,5’-carbonylbis-, polymer with 2,4-diisocyanato-1-methylbenzene and 1,1’-methylenebis(4-isocyanatobenzene)</td>
<td>-</td>
<td>0,0013</td>
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<tr>
<td>12136-45-7</td>
<td>Dipotassium-oxide</td>
<td>-</td>
<td>0,0008</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>Silicon dioxide</td>
<td>-</td>
<td>0,0004</td>
</tr>
<tr>
<td>7727-37-9</td>
<td>Nitrogen</td>
<td>-</td>
<td>0,0001</td>
</tr>
<tr>
<td>7440-42-8</td>
<td>Boron</td>
<td>-</td>
<td>0,0001</td>
</tr>
<tr>
<td>1309-64-4</td>
<td>Antimonytetroxide</td>
<td>D</td>
<td>0,0001</td>
</tr>
<tr>
<td>1308-06-1</td>
<td>Tricobalt-tetroxide</td>
<td>D</td>
<td>0,0001</td>
</tr>
<tr>
<td>1313-99-1</td>
<td>Nickel-monoxide</td>
<td>D</td>
<td>0,0001</td>
</tr>
<tr>
<td>1317-35-7</td>
<td>Trimanganese tetraoxide</td>
<td>-</td>
<td>0,0001</td>
</tr>
<tr>
<td>7782-50-5</td>
<td>Chlorine</td>
<td>-</td>
<td>not detectable traces</td>
</tr>
<tr>
<td>7440-69-9</td>
<td>Bismuth</td>
<td>-</td>
<td>not detectable traces</td>
</tr>
<tr>
<td>7440-57-5</td>
<td>Gold</td>
<td>-</td>
<td>not detectable traces</td>
</tr>
<tr>
<td>12033-60-2</td>
<td>Silicon-nitride</td>
<td>-</td>
<td>not detectable traces</td>
</tr>
<tr>
<td>7440-43-9</td>
<td>Cadmium</td>
<td>DP / SVHC</td>
<td>not detectable traces</td>
</tr>
<tr>
<td>7440-38-2</td>
<td>Arsenic</td>
<td>D</td>
<td>not detectable traces</td>
</tr>
</tbody>
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Note (1): For this product SEMIKRON is utilizing RoHS2011/65/EU ( Annex III), representative 2002/95/EC, exemption 7c, 6c

IV of EU RoHS and/or specific conditions for customer specific products

Parliament. Please be aware that relevant exemptions listed in Annex III / IV of EU RoHS and/or specific conditions for customer specific products might apply.

SEMIX®3p / Rev. 06 – 22.07.2019

Page 1/2

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