

## 2. MANUFACTURE AND USES

### 2.1. Manufacture

Table 2.1. Manufacture

	Manufacture
M-1	<p><b>Manufacture of the substance</b></p> <p><u>Further description of manufacturing process:</u>            Contributing activity/technique for the environment :  <b>- Manufacture of the substance (ERC1)</b></p> <p>Contributing activity/technique for the workers :            - <b>PROC 1</b>            - <b>PROC 2</b>            - <b>PROC 3</b>            - <b>PROC 4</b>            - <b>PROC 8a</b>            - <b>PROC 8b</b>            - <b>PROC 26</b>            - <b>PROC28</b></p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported <math>\geq 10</math> tonnes/year per registrant            Tonnage of substance for that use: <math>\geq 99.9</math> tonnes/year  <i>Related assessment: use assessed in a joint CSR</i></p>

### 2.2. Identified uses

Table 2.2. Formulation

	Formulation
F-2	<p><b>Formulation into mixtures and re-packing</b></p> <p><u>Further description of the use:</u>            Contributing activity/technique for the environment :  <b>- Formulation into mixtures and re-packing (ERC2)</b></p> <p>Contributing activity/technique for the workers :            - <b>PROC 3</b>            - <b>PROC 5</b>            - <b>PROC 8a</b>            - <b>PROC 8b</b>            - <b>PROC 9</b>            - <b>PROC 14</b>            - <b>PROC 19</b>            - <b>PROC 26</b>            - <b>PROC28</b>            -</p> <p><b>Product Category formulated:</b>            - PC 9b: Fillers, putties, plasters, modelling clay            - PC 14: Metal surface treatment products, including galvanic and electroplating products</p>

	<ul style="list-style-type: none"> <li>- PC 15: Non-metal-surface treatment products</li> </ul> <p><b>Technical function of the substance:</b></p> <ul style="list-style-type: none"> <li>- binder</li> <li>- corrosion inhibitor</li> <li>- filler</li> <li>- hardener</li> </ul> <p><i>Related assessment: use assessed in a joint CSR</i></p>
F-3	<p><b>Formulation into solid matrices and re-packing</b></p> <p><u>Further description of the use:</u> Contributing activity/technique for the environment : - <b>(ERC3)</b></p> <p>Contributing activity/technique for the workers :  <ul style="list-style-type: none"> <li>- <b>PROC 3</b></li> <li>- <b>PROC 5</b></li> <li>- <b>PROC 8a</b></li> <li>- <b>PROC 8b</b></li> <li>- <b>PROC 9</b></li> <li>- <b>PROC 14</b></li> <li>- <b>PROC 19</b></li> <li>- <b>PROC 26</b></li> <li>- <b>PROC28</b></li> </ul> </p> <p><b>Product Category formulated:</b></p> <ul style="list-style-type: none"> <li>- PC 9b: Fillers, putties, plasters, modelling clay</li> <li>- PC 14: Metal surface treatment products, including galvanic and electroplating products</li> <li>- PC 15: Non-metal-surface treatment products</li> </ul> <p><b>Technical function of the substance:</b></p> <ul style="list-style-type: none"> <li>- binder</li> <li>- corrosion inhibitor</li> <li>- filler</li> <li>- hardener</li> </ul> <p><i>Related assessment: use assessed in a joint CSR</i></p>

**Table 2.3. Uses at industrial sites**

	Uses at industrial sites
IW-4	<p><b>Industrial use as additive in ceramic, glass and refractory materials/protective coatings</b></p> <p><u>Further description of the use:</u> Contributing activity/technique for the environment : - <b>Industrial use as additive in ceramic, glass and refractory materials/protective coatings (ERC5)</b></p>

	<p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> <li>- <b>PROC 5</b></li> <li>- <b>PROC 6</b></li> <li>- <b>PROC 7</b></li> <li>- <b>PROC 8a</b></li> <li>- <b>PROC 8b</b></li> <li>- <b>PROC 9</b></li> <li>- <b>PROC 10</b></li> <li>- <b>PROC 21</b></li> <li>- <b>PROC 23</b></li> <li>- <b>PROC 24</b></li> <li>- <b>PROC 26</b></li> </ul> <p><b>Product Category used:</b></p> <ul style="list-style-type: none"> <li>- PC 9a: Coatings and paints, thinners, paint removes</li> <li>- PC 9b: Fillers, putties, plasters, modelling clay</li> </ul> <p><b>Sector of end use:</b> SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement</p> <p><b>Technical function of the substance:</b></p> <ul style="list-style-type: none"> <li>- binder</li> <li>- filler</li> <li>- hardener</li> </ul> <p>Subsequent service life relevant for that use: yes Link to the subsequent service life: Service life industrial use of articles containing the bound substance ; Service life professional use of articles containing the bound substance <i>Related assessment: use assessed in a joint CSR</i></p>
IW-5	<p><b>Industrial use in surface treatment products</b></p> <p><u>Further description of the use:</u> Contributing activity/technique for the environment : - <b>Industrial use in surface treatment products (ERC5)</b> Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> <li>- <b>PROC 5</b></li> <li>- <b>PROC 6</b></li> <li>- <b>PROC 7</b></li> <li>- <b>PROC 8a</b></li> <li>- <b>PROC 8b</b></li> <li>- <b>PROC 9</b></li> <li>- <b>PROC 10</b></li> <li>- <b>PROC 13</b></li> <li>- <b>PROC 21</b></li> <li>- <b>PROC 24</b></li> <li>- <b>PROC 26</b></li> </ul> <p><b>Product Category used:</b></p> <ul style="list-style-type: none"> <li>- PC 9b: Fillers, putties, plasters, modelling clay</li> <li>- PC 14: Metal surface treatment products, including galvanic and electroplating products</li> <li>- PC 15: Non-metal-surface treatment products</li> </ul>

	<p><b>Sector of end use:</b></p> <p><b>Technical function of the substance:</b></p> <ul style="list-style-type: none"> <li>- binder</li> <li>- corrosion inhibitor</li> <li>- filler</li> <li>- hardener</li> </ul> <p>Subsequent service life relevant for that use: yes  Link to the subsequent service life: Service life industrial use of articles containing the bound substance ; Service life professional use of articles containing the bound substance  <i>Related assessment: use assessed in a joint CSR</i></p>
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Table 2.4. Article service life

	Article service life
SL-6	<p><b>Service life industrial use of articles containing the bound substance</b></p> <p><u>Further description of the use:</u>  Article used by: workers  Substance intended to be released from article: no</p> <p><b>Article category related to subsequent service life (AC):</b></p> <ul style="list-style-type: none"> <li>- AC4f: Stone, plaster, cement, glass and ceramic articles: Articles with intense direct dermal contact during normal use</li> <li>- AC4g: Other articles made of stone, plaster, cement, glass or ceramic</li> </ul> <p>Contributing activity/technique for the environment:  - <b>(ERC12c)</b></p> <p>Contributing activity/technique for consumers:</p> <p>Contributing activity/technique for the workers:</p> <ul style="list-style-type: none"> <li>- <b>PROC 21</b></li> <li>- <b>PROC 24</b></li> </ul> <p><b>Technical function of the substance:</b></p> <ul style="list-style-type: none"> <li>- binder</li> <li>- corrosion inhibitor</li> <li>- filler</li> <li>- hardener</li> </ul> <p><i>Related assessment: use assessed in a joint CSR</i></p>
SL-7	<p><b>Service life professional use of articles containing the bound substance</b></p> <p><u>Further description of the use:</u>  Article used by: workers</p>

<p>Substance intended to be released from article: no</p> <p><b>Article category related to subsequent service life (AC):</b></p> <ul style="list-style-type: none"><li>- AC4f: Stone, plaster, cement, glass and ceramic articles: Articles with intense direct dermal contact during normal use</li><li>- AC4g: Other articles made of stone, plaster, cement, glass or ceramic</li><li>- AC 7: Metal articles</li></ul> <p>Contributing activity/technique for the environment: <b>- (ERC10a ; ERC11a)</b></p> <p>Contributing activity/technique for consumers:</p> <p>Contributing activity/technique for the workers:</p> <ul style="list-style-type: none"><li>- <b>PROC 21</b></li><li>- <b>PROC 24</b></li></ul> <p><b>Technical function of the substance:</b></p> <ul style="list-style-type: none"><li>- binder</li><li>- corrosion inhibitor</li><li>- filler</li><li>- hardener</li></ul> <p><i>Related assessment: use assessed in a joint CSR</i></p>
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