

**1. Commercial product name and company identification**

- 1.1 Commercial product name **3C-BOND**
- 1.2 Company ALPHADENT NV, Mannebeekstraat 33,  
8790 Waregem, Belgium, + 32 (0)56 629 531
- 1.3 Emergency contact Belgian Poison Control Centre (24 hours)  
**070 245 245**  
or call a poison control centre in your area

**2. Composition**

- 2.1 Chemical characterization Ceramic material with binding agents and pigments
- 2.2 Hazardous components Titanium dioxide  
CAS / EINECS 13463-67-7 / 236-675-5  
Concentration 5-10 %  
R-phrases ---
- 2.3 Further information None

- 3. Hazards identification** This product is classified as not hazardous.

**4. First aid measures**

- 4.1 Eye contact Lift the upper and lower lids and flush with plenty of water for several minutes.
- 4.2 Skin contact Immediately wash with water and soap. Normally, not a skin irritant.
- 4.3 Ingestion Seek medical advice if irritation persists.
- 4.4 Inhalation Should not be a problem.
- 4.5 Further information None

**5. Fire-fighting measures**

- 5.1 Suitable extinguishing media Not applicable
- 5.2 Extinguishing media to avoid Not applicable

## 6. Accidental release measures

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|-----|---------------------------|------------------------------------------------------------|
| 6.1 | Personal precaution       | No specific requirements                                   |
| 6.2 | Environmental precautions | No specific requirements                                   |
| 6.3 | Cleaning methods          | Clean up with damp cloth and dispose with household waste. |

## 7. Handling and storage

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|-----|----------|-----------------------------------------------|
| 7.1 | Handling | Avoid dust generation. Non-flammable product. |
| 7.2 | Storage  | Store in sealed containers in a dry area.     |

## 8. Exposure controls / personal protection

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|-------|-----------------------------|------------------------------------------------------------|
| 8.1   | Technical equipment         | Take the usual measures for handling chemicals.            |
| 8.2   | Control of threshold limits | Threshold limit for titanium dioxide: 10 mg/m <sup>3</sup> |
| 8.3   | Personal protection         | Protective clothing                                        |
| 8.3.1 | Respiratory equipment       | Dust mask                                                  |
| 8.3.2 | Hand protection             | Suitable gloves                                            |
| 8.3.3 | Eye protection              | Safety goggles                                             |

## 9. Physical and chemical properties

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|------|--------------------------|-----------------------------------------------------|
| 9.1  | Appearance               | Powder                                              |
| 9.2  | Colour                   | Pink                                                |
| 9.3  | Odour                    | Odourless                                           |
| 9.4  | Change in physical state | Melting point approximately 800 °C                  |
| 9.5  | Density                  | Not applicable                                      |
| 9.6  | Vapour pressure          | Not applicable                                      |
| 9.7  | Viscosity                | Not applicable                                      |
| 9.8  | Solubility               | Practically insoluble                               |
| 9.9  | pH-value                 | Approximately 7 at 100 g/H <sub>2</sub> O and 20 °C |
| 9.10 | Flash point              | Not applicable                                      |
| 9.11 | Ignition temperature     | Not applicable                                      |
| 9.12 | Explosion limits         | Not applicable                                      |

## 10. Stability and reactivity

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|------|-----------|---------------------------------------|
| 10.1 | Stability | Stable under normal conditions of use |
|------|-----------|---------------------------------------|

10.2	Hazardous reactions	No acid reactions if used in accordance with instructions
10.3	Hazardous decomposition products	No decomposition products known up to 1200 °C
10.4	Materials to avoid	None

<b>11.</b>	<b>Toxicological information</b>	<p><u>Titanium dioxide</u></p> <p>Oral &gt; 20 000 mg/kg rat</p> <p>Skin &gt; 10 000 mg/kg rabbit</p> <p>Inhalation &gt; 6.8 mg/L4h rat</p> <p>No skin irritation.</p> <p>Eye irritation caused by mechanical effects (dust).</p> <p>No allergic reactions known. No carcinogenic, teratogenic or mutagenic effects known.</p>
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<b>12.</b>	<b>Ecological information</b>	Prevent contamination of soil, drains, and surface waters.
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<b>13.</b>	<b>Disposal considerations</b>	Take to a suitable waste plant in accordance with local regulations.
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<b>14.</b>	<b>Transport information</b>	This product is not classified for any mode of transportation.
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<b>15.</b>	<b>Regulatory information</b>	This product does not require classification according to the criteria of the EC.
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<b>16.</b>	<b>Other information</b>	None
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The above-mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.  
Ref. 91/155/EEC