

1. Commercial product name and company identification

- 1.1 Commercial product name **3C-BOND**
- 1.2 Company ALPHADENT NV, Textielstraat 24,
8790 Waregem, Belgium, + 32 (0)56 629 100
- 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 Utilization: Dental ceramics
- 2.2 Hazardous components **Glass, oxide, chemicals**
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|---|------------------------|
| CAS / EINECS | 65997-17-3 / 266-046-0 |
| Concentration | 40-57 % |
| Classification | --- |
| Titanium dioxide TiO₂ | |
| CAS / EINECS | 13463-67-7 / 236-675-5 |
| Concentration | 27-32 % |
| Classification | --- |
| Pendenediol- 1,5 | |
| CAS / EINECS | 111-29-5 / 203-854-4 |
| Concentration | 20-25 % |
| Classification | --- |
| Water H₂O | |
| CAS / EINECS | 7732-18-5 / 231-791-2 |
| Concentration | balance |
| Classification | --- |
- 2.3 Additional information None

3. Hazards information

Classification system
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

Information concerning to particular hazards to man and environment
The product does not need to be labelled in accordance with EC directives or respective national laws.

4. First aid measures

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|-----|---------------------|---|
| 4.1 | Eye contact | Rinse opened eye under running water for several minutes. |
| 4.2 | Skin contact | Rinse with plenty of water. Remove contaminated clothes. |
| 4.3 | Ingestion | Rinse mouth with water and seek medical attention. |
| 4.4 | Inhalation | Supply fresh air; consult doctor in case of complaints. |
| 4.5 | General information | No special measures required. |

5. Fire-fighting measures

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| 5.1 | Suitable extinguishing media | Not applicable. Choose extinguishing media according to situation. |
| 5.2 | For safety reasons unsuitable extinguishing agents | Not applicable |
| 5.3 | Protective equipment | Wear self-contained breathing apparatus for fire fighting if necessary. |

6. Accidental release measures

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| 6.1 | Person-related safety precautions | Not required |
| 6.2 | Measures for environmental protection | No special measures required |
| 6.3 | Measures for cleaning/collecting | Pick up mechanically. |
| 6.4 | Additional information | No dangerous substances are released. |

7. Handling and storage

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| 7.1 | Handling | No special measures required |
| 7.2 | Storage | Product must be stored in original container. Store at room temperature and protect it from sunlight. |

8. Exposure controls / personal protection

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| 8.1 | Additional information about design of technical facilities | Not applicable |
| 8.2 | Ingredients with limit values that require monitoring at the workplace | Not applicable |
| 8.3 | Personal protective equipment | The usual precautionary measures are to be |

8.3.1	Respiratory equipment	adhered to when handling chemicals. Typical occupational hygiene is required.
8.3.2	Hand protection	Not required
8.3.3	Eye protection	Required
8.3.4	Skin protection	Required
		Wear protective gloves, if necessary.

9. Physical and chemical properties

9.1	Appearance:	
	- Form	Paste
	- Colour	Reddish
9.2	Odour	Odourless
9.3	pH-value	No available data
9.4	Change in condition	No available data
9.5	Flash point	Not applicable
9.6	Flammability (solid, gaseous)	Not applicable
9.7	Ignition temperature	Not applicable
9.8	Self-igniting	Product is not self-igniting.
9.9	Danger of explosion	Product does not present an explosion hazard.
9.10	Explosion limits	
	- lower	Not applicable
	- upper	Not applicable
9.11	Vapour pressure at 20 °C	No available data
9.12	Density at 20 °C	No available data
9.13	Solubility in water:	Liquid components are soluble in water, remaining components are not.
	Miscibility with water:	No available data

10. Stability and reactivity

10.1	Stability	Not applicable
10.2	Hazardous reactions	No dangerous reactions known.
10.3	Hazardous decomposition products	No dangerous decomposition products known.
10.4	Materials to be avoided	Not applicable

11. Toxicological information

11.1	Acute toxicity	No investigations to the toxicology known.
11.2	Primary irritant effect:	
	- on the skin:	No available data
	- on the eye:	No available data
11.3	Sensitization	No available data

11.4	Additional toxicological information	Toxicological investigations have not been performed yet.
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12.	Ecological information	Eco-toxicity: Not applicable Bio-accumulation potential: No data available Other eco-toxicological effects: Ecological investigations have not been performed yet.
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13.	Disposal considerations	Product Recommendation: Offer surplus and non-recyclable mixtures to a licensed disposal company Uncleaned packaging Recommendation: Dispose of as unused product.
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14.	Transport information	Not a dangerous substance according to the transport regulation
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15.	Regulatory information	Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals. The substance is not subject to classification according to EU lists and other sources of literature known to us.
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16.	Other information	Further applicable EC-Regulations: REACH-Regulation (EC) No. 1907/2006
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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