

1. Identification of the substance/mixture and of the company/undertaking

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| 1.1 | Product identifier | 3-CP |
| 1.2 | Company | Article number 3-CP
ALPHADENT NV, Mannebeekstraat 33,
8790 Waregem, Belgium, +32 (0)56 629 531 |
| 1.3 | Emergency telephone number | Belgian Poison Control Centre (24/7)
+32 (0)70 245 245
or call a poison control centre in your area |

2. Composition / Information on ingredients

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| 2.1 | Chemical characterisation | Ceramic material with binding agents and pigments |
| 2.2 | Hazardous components | <u>Titanium dioxide</u>
CAS / EINECS 13463-67-7 / 236-675-5
Concentration 5-10 %
R phrases ---
Lead bisilicate (2.5 % ≤ Zn < 25 %)
CAS / EINECS 65997-18-4 / 266-047-6
Concentration ≥ 50 - ≤ 100 %
R phrases --- |
| 2.3 | Additional information | None |

3. Hazards identification



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| 3.1 | Signal word | Warning! |
| 3.2 | Hazard statements | H360FD: May damage fertility. May damage the unborn child.
H335: May cause respiratory irritation.
H411: Toxic to aquatic life with long lasting effects. |
| 3.3 | Precautionary statements | <u>Prevention</u>
P201: Obtain special instructions before use.
P273: Avoid release to the environment.
P280: Wear protective clothing.
<u>Response</u>
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P391: Collect spillage.
<u>Storage</u>
P404: Store in a closed container.
<u>Disposal</u>
P501B: Dispose of contents/container in accordance with local regulations. |

4. First aid measures



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| 4.1 | General notes | Take off contaminated clothing.
Move affected person(s) out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave affected person(s) unattended. |
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4.2	After eye contact	In case of contact with eyes, rinse immediately with plenty of water. Remove contact lenses. Rinse the affected eye for several minutes under running water, while holding the eyelid open. Close the non-affected eye! If symptoms persist, call a physician.
4.3	After skin contact	Immediately wash with water and soap and rinse thoroughly. Generally the product does not irritate the skin.
4.4	After swallowing	Rinse mouth with water and drink plenty of water. Seek medical attention if irritation persists.
4.5	After inhalation	If unconscious, place in recovery position and get medical attention.
4.6	Additional information	If symptoms persist, call a physician. No special measures required.

5. Firefighting measures



5.1	Suitable extinguishing agents	Water
5.2	For safety reasons unsuitable extinguishing agents	Water jet
5.3	Special hazards arising from the substance or mixture	Non-combustible
5.4	Advice for firefighters	In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

6. Accidental release measures



6.1	Personal precautions	For non-emergency personnel: Avoid dust formation. Do not breathe dust.
6.2	Environmental precautions	Keep away from drains, surface and groundwater.
6.3	Methods and material for containment and cleaning up	Rinse area with damp cloth. Place waste in closed container for disposal.
6.4	Reference to other sections	See section 5 for hazardous combustion products. See section 8 for information on personal protection equipment. See section 10 for incompatible materials. See section 13 for disposal information.

7. Handling and storage

7.1	Handling	Avoid dust formation. The product is not flammable. Avoid contact with eyes and skin. Avoid release to the environment.
7.2	Storage	Store in a dry place. Keep container tightly closed. In case of dust formation, provide adequate ventilation. Recommended storage temperature: 15-25 °C

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| 7.3 | Advice on general occupational hygiene | Keep away from food, drink and animal feeding stuffs.
Do not smoke when using this product.
Wash hands before and after use. |
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8. Exposure controls / Personal protection

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| 8.1 | Technical measures | The usual precautionary measures are to be adhered when handling chemicals. |
| 8.2 | Control parameters | Threshold limit for titanium dioxide: 10 mg/m ³ |
| 8.3 | Personal protective equipment | Protective work clothing |
| 8.3.1 | Respiratory protection | Dust mask.
At dust formation: particulate filter (EN 143). P1 (filters at least 80 % of airborne particles, colour code: white). |
| 8.3.2 | Hand protection | Gloves |
| 8.3.3 | Eye protection | Safety glasses |

9. Physical and chemical properties

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| 9.1 | Form | powder |
| 9.2 | Colour | pink |
| 9.3 | Odour | odourless |
| 9.4 | Change in condition | melting point approx. 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 | approx. 7 at 100 g/H ₂ O and 20 °C |
| 9.10 | Flash point | not applicable |
| 9.11 | Ignition temperature | not applicable |
| 9.12 | Explosive limits | not applicable |

10. Stability and reactivity

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| 10.1 | Stability | Stable under normal storage and handling conditions. |
| 10.2 | Hazardous reactions | Does not react with acids under normal conditions of storage and handling.
<u>Possibility of hazardous reactions:</u>
Violent reaction with: alkali metals, alkaline earth metal, lithium, aluminium-metal powder, zinc-metal powder. |
| 10.3 | Hazardous decomposition products | No decomposition products known up to 1200 °C. |
| 10.4 | Incompatible materials | None |

11. Toxicological information

Titanium dioxide
 Oral > 20,000 mg/kg rat
 Skin > 10,000 mg/kg rabbit
 Inhalation > 6.8 mg/L4h rat
 May cause skin irritation in sensitive individuals.
 Dust contact with the eyes can lead to mechanical irritation, resulting in permanent damage.
 No irritant effect known.
 May impair fertility.
 May cause birth defects in the unborn child.
 No carcinogenic or mutagenic effects known.

12. Ecological information

Do not allow to enter wastewater, ground water, surface water or soil.
Toxic to aquatic organisms, with long lasting effects.

13. Disposal consideration



Dispose of this substance in closed container to an appropriate waste disposal plant in accordance with national/local regulations.

14. Transport information

This substance is not classified for any mode of transport.

15. Regulatory information

Not subject to classification

16. Other information

None

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