

Date of print: 2007-11-14
Date of last alteration: 2007-11-14 - Version: English
Art. -No., product name: **02001-3 / 02681 silaplast FUTUR**

DETAX**1 Identification of the substance / preparation and of the company / undertaking**

1.1 Identification of the substance or preparation:

- 1.1.1 Commercial Product Name: silaplast *FUTUR*
1.1.2 Use: Impression material for use in dentistry.

1.2 Company / undertaking identification:

Manufacturer / distributor: DETAX GmbH & Co. KG
Street / POB-No.: Carl-Zeiss-Str. 4
State / postal code / city: D-76275 Ettlingen
Telephone: +49 7243/510-0 Telefax: +49 7243/510-100

2 Composition / information on ingredients

- 2.1 Chemical characterisation (preparation): Description: Contains polydimethylsiloxane + fillers.

3 Hazards identification

- 3.1 Critical hazards to man and environment: Unknown.

4 First aid measures

- 4.1 General information: Remove all contaminated clothing.
4.2 After inhalation: No special measures required.
4.3 After contact with the skin: Wash with plenty of water and soap. In case of persisting irritation seek medical advice.
4.4 After contact with the eyes: Rinse the open eyes immediately with plenty of water for at least 15 minutes, seek immediately medical advice.
4.5 After swallowing: Rinse mouth well with water and drink plenty of water. If you feel unwell, seek medical advice.

5 Fire fighting measures

- 5.1 Suitable extinguishing media: Water mist, dry powder, foam, carbon dioxide.
5.2 Extinguishing media which must not be used for safety reasons: Unknown.
5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Do not breathe combustion gases.
5.4 Special protective equipment for fire fighting: Use respiratory protection independent of recirculated air.

6 Accidental release measures

- 6.1 Personal precautions: No special precautions required.
6.2 Environmental precautions: Observe local byelaws. Keep away from sewage treatment plants and in-shore waters.
6.3 Methods for cleaning up: Remove mechanically or absorb with liquid binding material (sand, diatomaceous earth, sawdust) and dispose of according to regulations.

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DETAX**7 Handling and storage**

- 7.1 Handling:
 Precautions for safe handling: The usual precautions in handling with chemicals are to be observed. When using to not eat, drink or smoke.
- Precautions against fire and explosion: No special precautions required.
- 7.2 Storage:
 Conditions for storage rooms and vessels: No special conditions.
 Advice for storage of incompatible materials: Incompatible materials are unknown.
 Further information for storage: Keep at temperature not exceeding 25 °C / 77 °F.
 Keep away from humidity.

8 Exposure controls / personal protection

- 8.1 Further information for system design and engineering measures: No further information.
- 8.2 Associate substance with specific control parameters such as limit values: No associated substances.
- 8.3 Personal protection equipment:
 General protection and hygiene measures: The usual precautions in handling with chemicals are to be observed.
- Respiratory protection: Not required.
- Hand protection: Protective gloves are recommended, eg such of nitrile rubber.
- Eye protection: To avoid mechanical injuring of the eyes wear protective goggles.

9 Physical and chemical properties

- 9.1 Appearance:
 Form: paste
 Colour: white
 Odour: like peppermint
- 9.2 Safety parameters: Method (67 / 548 / EC)
- | | | | |
|---|---|---|------------|
| Flash point | = | > 100 °C/212 °F | DIN 51755 |
| Inflammability | : | not available | |
| Ignition temperature | = | > 200 °C/392 °F | DIN 51794 |
| Autoflammability | : | not available | |
| Oxidising properties | : | not available | |
| Explosive properties | : | not available | |
| Explosion limits | : | not available | |
| Vapour pressure | = | < 1 hPa at 20 °C/68 °F | |
| Density | = | approx. 1.47 g/cm ³ at 20 °C/68 °F | DIN 51757 |
| Solubility in water | = | virtually insoluble | |
| pH-value | : | n.a. | |
| Distribution coefficient octanol / water: | : | not available | |
| Viscosity | = | approx. 10 Mio. mPa.s at 23 °C/73 °F | Brookfield |
- 9.3 Further information:
 Thermal decomposition
- | | | | |
|---|---|-----------------|--|
| : | = | > 250 °C/482 °F | |
|---|---|-----------------|--|

10 Stability and reactivity

- 10.1 Conditions to avoid: Temperatures > 150 °C/302 °F.
- 10.2 Materials to avoid: Unknown.

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10.3 Hazardous decomposition products: At a temperature of approx. 150 °C/302 °F a small amount of formaldehyde can be released by oxidative degradation.

11 Toxicological information

11.0 General information: According to present experience, the material shows no health risk if handled appropriately.

11.1 Acute toxicity:
 Acute oral toxicity (LD₅₀): species rat > 5000 mg/kg
 origin literature
 these data refer to the polydimethylsiloxane components.

12 Ecological information

12.1 Information on elimination (persistence and degradability):
 No data known.

12.2 Behaviour in environmental compartments: No data known.

12.3 Ecotoxicological effects:
 Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):
 Do not introduce large amounts into purification plants.

13 Disposal considerations

13.1 Material: Recommendation: Dispose of according to regulations by incineration in a special waste incinerator.
 Observe the local byelaws.

European Waste Catalogue Ref.No.: 07 02 17 (AVV)

13.2 Contaminated packaging: Recommendation: Fully empty containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.
 Observe local/national byelaws.

14 Transportation information

14.1 Land transportation ADR/RDI and GGVS/GGVE:
 GGVS/GGVE-class : Non-hazardous material
 ADR/RID-class : Non-hazardous material
 Transportation emergency card number:
 Warning board - Hazard No.:
 Nomenclature :
 Further information :
 Limited Quantities :

14.2 Inland navigation ADN/ADNR:
 Further information: Non-hazardous material

14.3 Transportation by sea IMDG/GGVsea:
 IMDG/GGVsea-class .. : Non-hazardous material
 EmS-No :
 Marine pollutant :
 Proper shipping name .. :
 Technical name :
 LTD. QTY :

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DETAX**14.4 Air transportation ICAO-TI and IATA-DGR transportation by air:**

ICAO/IATA-class..... : Non-hazardous material

Proper shipping name.. :

Technical name..... :

Further information:

Air mail transportation ..: permitted

15 Regulatory information**15.1 Identification according to EC directives**

Identification letter and hazard indication of the product:

According to the Regulations for Hazardous Goods and the corresponding EC-Guidelines the product is not to be labelled.

15.2 National regulations (Germany):

Classification of possible adverse effects in the aquatic environment (Wassergefährdungsklasse):

Class 1 (slight adverse effects in the aquatic environment).

16 Other information

n.a. = not applicable

n.s. = not subject to

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations.