

Date of print: 2011-06-29  
Date of last alteration: 2011-06-09 - Version: 1.1 English  
Art.-No., Product name: **02008 / 02009 silone®**

**DETAX**

## 1 Identification of the substance or preparation and of the company

- 1.1 Identification of the substance/the preparation:  
Commercial Product Name: silone®
- 1.2 Use of the substance/the preparation: Professional.  
Impression material for use in dentistry.
- 1.3 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  
E-Mail: post@detax.de
- 1.4 Emergency number: +49 7243/510-0  
This number is only obtainable during office hours (Monday - Thursday 8.00 a.m. - 5.00 p.m., Friday 8.00 a.m. - 4.00 p.m.)

## 2 Hazards identification

- 2.1 Classification: The product is not a hazardous preparation according to the guideline 1999/45/EC.
- 2.2 Critical hazards to man and environment: No special hazards known.

## 3 Composition / information on ingredients

- 3.1 Chemical characterisation (preparation):  
Description: Contains polydimethylsiloxane + fillers and pigment.
- 3.2 Hazardous ingredients: None.

## 4 First aid measures

- 4.1 General information: In case of accident or if you feel unwell, seek medical advice (if possible, show the label or this MSDS).
- 4.2 After inhalation: Provide for fresh air.
- 4.3 After contact with the skin: Remove the product mechanically by means of a cloth or paper. Wash with plenty of water and soap. In case of visible skin reaction or complaints, seek medical advice (if possible, show the label or this MSDS).
- 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: Immediately rinse mouth well with water and drink plenty of water in small portions. Do not induce vomiting. If you feel unwell, seek medical advice.
- 4.6 Autoprotection of the first assistant: Take care of a sufficient autoprotection (hand protection, foil mask "Life key").

## 5 Fire fighting measures

- 5.1 Suitable extinguishing media: Water mist, foam, carbon dioxide, dry powder.
- 5.2 Extinguishing media which must not be used for safety reasons: Water jet.
- 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: No special exposure hazards.
- 5.4 Special protective equipment for fire fighting: Use respiratory protection independent of recirculated air.

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**6 Accidental release measures**

- 6.1 Personal precautions: If material is accidentally spilled, refer to the possible danger of skidding. Do not pass through the spilled material.
- 6.2 Environmental precautions: Keep away from sewage treatment plants, in-shore waters and earth. Observe local byelaws.
- 6.3 Methods for cleaning up: Remove mechanically or absorb with liquid binding material (sand, diatomaceous earth, sawdust) and dispose of according to regulations (see section 13).

**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: The usual precautions in preventive fire protection are to be observed.
- 7.2 Storage:
  - Conditions for storage rooms and vessels: Store in a cool, dry and well-ventilated place, away from food-stuffs. Keep containers always tightly closed. Provide for sufficient ventilation.
  - 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.
- 7.3 Definite use: Component B of a silicone based dental impression material for use by trained specialist staff.

**8 Exposure controls and personal protection**

- 8.1 Exposition limit values: No associated substances with specific working place control parameters.
- 8.2 Limitation and control of the exposition
  - 8.2.1 Limitation and control of the exposition at the place of work
    - Personal protection equipment:
      - General protection and hygiene measures: The usual precautions in handling with chemicals are to be observed. When using to not eat, drink or smoke.
      - Respiratory protection: Not required.
      - Hand protection: Protective gloves are recommended, e.g. such as gloves of nitrile rubber.
      - Eye protection: To avoid mechanical injuring of the eyes, wear protective goggles.
      - Body protection: Wear working clothing.
  - 8.2.2 Limitation and control of the environmental exposition: Prevent the material getting into sewage treatment plants, in-shore waters and earth.

**9 Physical and chemical properties**

- 9.1 Appearance
  - Form: paste
  - Colour: red-brown
  - Odour: like peppermint
- 9.2 Important information on health and environmental protection and on safety: Method (67/ 548/EEC)
  - Flash point .....: = > 100 °C/212 °F DIN 51755
  - Ignition temperature .....: = > 200 °C/392 °F DIN 51794

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Oxidising properties .....	n.a.	
Explosion limits .....	n.a.	
Vapour pressure .....	< 1 hPa at 20 °C/68 °F	
Density .....	approx. 1.2 g/cm <sup>3</sup> at 20 °C/68 °F	DIN 51757
Solubility in water .....	virtually insoluble	
pH-value.....	n.a.	
Distribution coefficient octanol / water:	n.a.	
Viscosity .....	approx. 800 000 mPa.s at 23 °C/73 °F	Brookfield

9.3 Further information:  
 Thermal decomposition .....

**10 Stability and reactivity**

10.1 Conditions to avoid: Temperatures > 150 °C/302 °F (see section 10.3).  
 10.2 Materials to avoid: Unknown.  
 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, observing the usual hygiene at place of work. According to our present knowledge, the material is neither mutagenic nor carcinogenic nor teratogenic.  
 11.1 Toxicological tests  
 Acute toxicity  
 Acute oral toxicity: For the product itself no toxicological data are available. In products with a comparable composition, a LD<sub>50</sub> (orally, species rat) of more than 5 000 mg/kg has been found.

**12 Ecological information**

12.1 Ecological toxicity:  
 Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition): According to present experience, no adverse effects in sewage treatment plants are to be expected.  
 12.2 Mobility: The product forms a thin oily layer on the water surface. It is adsorbed by suspended particles. Separation by sedimentation.  
 12.3 Persistence and degradability  
 Biodegradation / further information: The product is biologically not degradable. In a certain degree, polydimethylsiloxanes are degradable by abiotic processes.  
 12.4 Potential of biological accumulation: A biological accumulation is improbable.  
 12.5 Other harmful effects: Unknown.  
 12.6 Further ecotoxicological effects: If handled and applied appropriately, no environmental problems are to be expected.

**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  
 13.2 Contaminated packaging: Recommendation: Fully empty containers (no tear drops, no

