

Date of print: 2007-10-31  
Date of last alteration: 2007-10-31 - Version: English  
Art. -No., product name: **03017 bio coat**

**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: *bio coat*  
1.1.2 Use: Silicone lacquer for use in audiology.

### 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 with functional groups.

## 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: Absorb with liquid binding material (sand, diatomaceous earth, sawdust) and dispose of according to regulations.

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**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: liquid  
 Colour: colourless  
 Odour: virtually odourless
- 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. 0.96 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: | : | not available                                 |            |
| Viscosity .....                           | = | approx. 250 mPa.s at 23 °C/73 °F              | Brookfield |
- 9.3 Further information:  
 Thermal decomposition .....
- |                             |   |                 |
|-----------------------------|---|-----------------|
| 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 (LD<sub>50</sub>): 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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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.