

Date of print: 2007-10-31  
Date of last alteration: 2007-10-31 - Version: English  
Art. -No., product name: **02392 cat 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: cat **futur** / Catalyst paste  
1.1.2 Use: Impression material 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 (Description): Silicon-tin-compound with auxiliary matters, fillers and pigment.  
2.2 Substances presenting a health hazard: Alkyl stannosiloxane  
Concentration: < 20%  
CAS-No.: 93925-42-9  
Identification letter: Xi  
EC/R: 36: Irritating to eyes.  
2.3 Labelling of the preparation: According to EC-guideline 1999/45/EC, the product is not to be labelled.

## 3 Hazards identification

- 3.1 Critical hazards to man and environment: Avoid contact with eyes, may cause irritations.  
Avoid release to the environment.

## 4 First aid measures

- 4.1 General information: Take off all contaminated clothing.  
4.2 After inhalation: Move to fresh air. In case of persisting irritation seek medical advice.  
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 immediately 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: Water jet.  
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. Accomplish decontamination by means of explosion-proofed equipment.

## 6 Accidental release measures

- 6.1 Personal precautions: Avoid exposure. Wear suitable protective clothing.  
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 (mica, diatomaceous earth) and dispose of according to regulations.

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**DETAX****7 Handling and storage**

- 7.1 Handling:  
 Precautions for safe handling: Avoid contact of the unpolymerised material with eyes, skin and clothing.  
 Precautions against fire and explosion: Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Cool endangered containers with water mist.
- 7.2 Storage:  
 Conditions for storage rooms and vessels: Store in a cool, dry and well-ventilated place, away from food-stuffs. Provide for sufficient ventilation.  
 Advice for storage of incompatible materials: Keep away from combustible materials.  
 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:  
 Provide for sufficient ventilation/suction system.
- 8.2 Associate substance with specific control parameters such as limit values  
 (Air limits according to TRGS 900):
- | <b>Value for</b> | <b>mg/m<sup>3</sup></b> |
|------------------|-------------------------|
| Tin compounds    | 0.1 mg/m <sup>3</sup>   |
- 8.3 Personal protection equipment:  
 General protection and hygiene measures: The usual precautions in handling with chemicals are to be observed. Do not breathe vapours.  
 Respiratory protection (filter A): Necessary in case of liberation of vapours due to overheating.  
 Hand protection: It is recommended to use protective gloves. Suitable are gloves of the following materials (*permeation time* ≥ 8 hours):  
 Nitrile rubber/Nitrile latex – NBR (0.35 mm)  
 Butyl rubber – Butyl (0.5 mm)  
 Fluoro carbon rubber – FKM (0.4 mm);  
 (*permeation time* ≥ 4 hours):  
 Polychloroprene – CR (0.5 mm).  
Unsuitable are gloves of the following materials:  
 Natural rubber/Natural latex - NR; Polyvinyl chloride – PVC.  
 Textile or leather gloves are completely unsuitable.  
 Eye protection: If any sprinkling of the paste cannot be completely excluded, wear protective glasses.

**9 Physical and chemical properties**

- 9.1 Appearance:  
 Form: paste  
 Colour: blue  
 Odour: characteristic
- 9.2 Safety parameters: Method (76 / 548 / EC)
- |                              |  |           |
|------------------------------|--|-----------|
| Change in physical state:    |  |           |
| Boiling point.....: =        | > 200 °C / 392 °F                              | DIN 51356 |
| Flash point .....: =         | > 100 °C / 212 °F                              | DIN 51755 |
| Inflammability.....: =       | not available                                  |           |
| Ignition temperature.....: = | > 300 °C / 572 °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. 1.0 g/cm <sup>3</sup> at 20 °C / 68 °F | DIN 51757 |
| Solubility in water.....: =  | insoluble                                      |           |

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pH-value..... : n.a.  
 Distribution coefficient octanol / water: not available  
 Viscosity ..... = > 80 000 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: No data available.  
 10.2 Materials to avoid: No data available.  
 10.3 Hazardous decomposition products: No decomposition If stored and handled in accordance with standard industrial practices.

**11 Toxicological information**

11.0 General information: According to our present experience and the informations we have to hand, the product shows no health risk if handled and applied appropriately.  
 11.1 Acute toxicity: No data known.

**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 into purification plants.  
 12.4 Further ecological information: Do not lead into wastewater. Do not introduce into in-shore waters and earth.

**13 Disposal considerations**

13.1 Material: Recommendation: Handing over to an authorised waste management company.  
 Observe the local byelaws.  
 13.2 Contaminated packaging: Waste management under the 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..... :  
 14.4 Air transportation ICAO-TI and IATA-DGR transportation by air:  
 ICAO/IATA-class..... : Non-hazardous material

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Proper shipping name.. :  
Technical name..... :  
Further information:  
Air mail transportation ..: permitted

**15 Regulatory information**

15.1 Identification according to EC directives:

The product is not to be labelled according to the EC-guideline 1999/45/EC.

15.2 National regulations (Germany):

Classification of possible adverse effects in the aquatic environment (Wassergefährdungsklasse):  
Class 2 (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.