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DETAXArt. -No., product name: **02081 / 02427** (and further Art.-No.) **bioplast, base + catalyst****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: bioplast 40 & 60 Shore

1.1.2 Use: Silicone 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 (preparation): Description: Contains polydimethylsiloxane with functional groups + fillers and pigment; catalyst additionally: platinum-complex compound.

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: Development of hydrogen may cause explosive hydrogen-air-mixtures.

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: 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.

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.

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Precautions against fire and explosion: Take measures against static discharges. Keep away from sources of ignition - No smoking.

7.2 Storage:
 Conditions for storage rooms and vessels: Store in a cool, dry and well-ventilated place. Keep containers always tightly closed. Provide for sufficient ventilation.

Advice for storage of incompatible materials: Keep away from acids, lyes, alcohols, metallic powders resp. metallic oxides.

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 (such as gloves of nitrile rubber, but never use latex gloves!).

Eye protection: To avoid mechanical injuring of the eyes wear protective goggles.

9 Physical and chemical properties

9.1 Appearance:
 Form: paste
 Colour: base: rose / clear • catalyst: transparent
 Odour: faintly typical

Safety parameters:		Method (67 / 548 / EC)
Flash point	> 100 °C/212 °F	DIN 51755
Inflammability	not available	
Ignition temperature	> 400 °C/752 °F	DIN 51794
Autoflammability.....	not available	
Oxidising properties	Increased temperatures advance the release of hydrogen.	
Explosive properties.....	not available	
Explosion limits	not available	
Vapour pressure	< 20 hPa at 20 °C/68 °F	
Density	approx. 1.1 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. 1 Mio. mPa.s at 23 °C/73 °F	Brookfield

9.3 Further information:
 Thermal decomposition

> 180 °C/356 °F

10 Stability and reactivity

10.1 Conditions to avoid: Temperatures > 150 °C/302 °F.

10.2 Materials to avoid: Acids, lyes, alcohols, metallic powders resp. metallic oxides.

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

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- 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..... :
- 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

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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.