

According to (1907/2006/EC)

Reviewed on 04.12.2009

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#### 1. Name of substance

Trade name: Turbosil (weiß)

Material number: 13203016/1303032/13202000/13201000

Use of substance / preparation: Industrial elastomer products

Manufacturer/Supplier: Klasse 4 Dental GmbH

Bismarckstr.21 D-86159 Augsburg

Tel. +49 821-60 89 14 0 Fax +49 821-60 89 14 10

Information: phone +49 (0) 821 608914-0

**Emergency information**: phone +49 (0) 821 608914-0

#### 2. Composition/information on ingredients

**Chemical characterization (preparation)** 

**Chemical Characteristics:** Polydimethylsiloxane with functional groups + auxililiaries for addition cross-linking

## 3. Hazards identification

Classification: R-Phrase: -

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

# 4. First-aid measures

**General information:** In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After inhalation: Provide fresh air.

**After contact with the skin:** Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

**After contact with the eyes:** Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

After swallowing: Give several small portions of water to drink. Do not induce vomiting.

#### 5. Fire-fighting measures

**Suitable extinguishing media:** water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand.

Extinguishing media which must not be used for safety reasons: water spray, water jet.



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Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: not applicable

**Special protective equipment for fire fighting:** Use respiratory protection independent of recirculated air.

#### 6. Accidental release measures:

**Personal precautions:** If material is released indicate risk of slipping. Do not walk through spilled material.

**Environmental precautions:** Prevent material from entering sewers or surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Close leak if possible without risk.

**Methods for cleaning up:** Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

# 7. Handling and storage

### Handling:

- **Precautions for safe handling**: Spilled substance increases risk of slipping.
- **Precautions against fire and explosion**: Observe the general rules for fire prevention.

## Storage:

- Conditions for storage rooms and vessels: none known
- Advice for storage of incompatible materials: not applicable
- Further information for storage: Keep container tightly closed. Store in a dry and cool place.

# 8. Exposure controls and personal protection equipment

# **Exposure limits:**

Maximum airborne concentrations at the workplace: not applicable

## Exposure in the work place limited and controlled:

- **General protection and hygiene measures:** Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat or drink when handling.
- Respiratory protection: not required.
- Hand protection: not required
- **Eye protection:** Recommendation: protective goggles.

Exposure to the environment limited and controlled: Prevent material from entering surface waters and soil.

#### 9. Physical and chemical properties

#### **General information**

Physical state/ form: liquid
Colour: white
Odour: odourless



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#### Important information about the protection of health, safety and the environment Method:

Melting point / melting range not applicable
Boiling point / boiling range not applicable
Flash point > 250 °C
Ignition temperature > 400 °C
Lower explosion limit (LEL) not applicable
Upper explosion limit (UEL) not applicable
Vapour pressure not applicable

Density 1,1 g/cm³ at 23 °C at 1013 hPa

Water solubility / miscibility virtually insoluble pH-Value not applicable

Viscosity (dynamic) 2000 mPa\*s at 25 °C

### 10. Stability and reactivity

General information: If stored and handled in accordance with standard industrial practices no

hazardous reactions are known.

Conditions to avoid: none known.

Materials to avoid: none known.

**Hazardous decomposition products:** if stored and handled in accordance with standard industrial practices and local regulations where applicable: none known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

### 11. Toxicological information

**General information:** According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

**Toxicological tests:** 

Acute toxicity (LD50/LC50-valued relevant to classification):

Exposition	Value/Value range	Species	Source
Oral	> 2000mg/kg	rat	Conclusion by analogy

- **Specific symptoms in animal test:** Animal test with a chemically similar product: By skin contact: Not irritating to skin. By eye contact: Slight irritation possible. Not sensitising to the skin.
- Further information: -

Experience with man: -

Further toxicological information: -

### 12. Ecologial information

#### **Ecotoxicity**

Species	Test method	Exp. Time	Result	Source
Rainbow trout	acute	96 h	> 100 mg/l (LC50)	Test report
(Oncorhynchus mykiss)				-



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Rainbow trout	acute	96 h	100 mg/l (NOEC)	Test report
(Oncorhynchus mykiss)				•

No expected damaging effects to aquatic organisms.

# Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

#### Mobility: -

#### Persistence and degradability:

- **Biodegradation / further information:** Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.
- Further information: Elimination by adsorption to activated sludge.

Bio-accumulation potential: Bioaccumulation is not expected to occur.

Other harmful effects: none known

#### Additional information:

- **General information:** In cross-linked state not soluble in water. Easily separable from water by filtration.

# 13. Disposal considerations

## Material

 Recommendation: Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

#### Uncleaned packaging

- **Recommendation:** Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

## 14. Transport information

#### Land transport ADR and RID

Road ADR:

Valuation Not regulated for transport

- Railway RID:

Valuation Not regulated for transport

# Transport by sea IMDG-Code

Valuation Not regulated for transport

#### Air transport ICAO-TI/IATA-DGR

Valuation Not regulated for transport



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#### Transport/further information

## Informing dept. ref. to heading 14. Transport information:

Klasse4: Phone +49 (0) 821 608914-0 Fax +49 (0) 821 608914-10

## 15. Regulatory information

# Warning label (EC)

R-Phrase: --- S-Phrase: ---

## **National regulations:**

National and local regulation must be observed

# Other international regulations

#### **Details of international registration status**

Listed on or in accordance with the following inventories:

**AICS** Australia **IECSC** China DSL Canada ECL Korea **EINECS** Europe **ENCS** Japan **PICCS Philippines TSCA** USA

## 16. Other information

#### Material

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. Properties of the product are to be found in the respective product leaflet.

## Further information:

Commas appearing in numerical data denote a decimal point.