

Date of print: 2011-06-28  
 Date of last alteration: 2011-06-07 - Version: 2.0 English  
 Art. -No., product name: **03000 - 2 Molloplast® B**

**DETAX**

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



- 1.1 Identification of the substance/the preparation:  
 Commercial Product Name: Molloplast® B
- 1.2 Use of the substance/the preparation: Professional.  
 Relining 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: If used appropriately, no special hazards are known.

**3 Composition / information on ingredients**

- 3.1 Chemical characterisation (preparation):  
 Description: Contains polydimethylsiloxane + inert filler and pigment + part of organic peroxide.
- 3.2 Hazardous ingredients:

Ingredient	CAS-No.	EC-No.	Index-No.	Concentration	Hazard symbols	R-Phrases
Dibenzoyl peroxide	94-36-0	202-327-6	617-008-00-0	< 1%	 	2-36-43

- 3.3 Further information: The identification letters and the R-Phrases are described in section 16.

**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: Move to fresh air. If you feel unwell, seek medical advice.
- 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").

Date of print: 2011-06-28  
Date of last alteration: 2011-06-07 - Version: 2.0 English  
Art. -No., product name: **03000 - 2 Molloplast® B**

**DETAX**

## 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: 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: 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: Pick up the product mechanically by means of a cloth or paper and collect it in a suitable container, labelled according to regulations (for disposal 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. Avoid contact of the unpolymerised product with eyes, skin and clothing.
- Precautions against fire and explosion: The usual precautions in preventive fire protection are to be observed. Remove all containers not yet affected by fire. Cool endangered containers with water mist.
- 7.2 Storage:  
Conditions for storage rooms and vessels: Keep the product in the original container in a cool and dry place, away from foodstuffs. Provide for sufficient ventilation.
- Advice for storage of incompatible materials: Keep away from combustible and oxidising materials.
- Further information for storage: Avoid direct sunlight.  
Keep in a refrigerator at 2 °C - 12 °C / 36°F - 54 °F.
- 7.3 Definite use: Silicone material for relining of dentures; for use by trained specialist staff.

## 8 Exposure controls and personal protection

- 8.1 Exposition limit values:  
Associate substances with specific control parameters such as limit values  
Air limit value according to TRGS 900 (Germany):  
CAS-No. 94-36-0  
Dibenzoyl peroxide  
5 mg/m<sup>3</sup>  
with reference to the inhalable fraction.  
Peak limitation: Excursion factor 1; duration 15 min, mean; 4 times per shift; interval 1 hour.  
Category: I – Substances for which local irritating effects determine the exposure limit value, also respiratory allergens.
- 8.2 Limitation and control of the exposition
- 8.2.1 Limitation and control of the exposition at the place of work: Exposition limit values must be supervised by means of appropriate analytical equipment.
- General protection and hygiene measures: The usual precautions in handling with chemicals must be respected. When using to not eat, drink or smoke. Provide for sufficient

Date of print: 2011-06-28  
 Date of last alteration: 2011-06-07 - Version: 2.0 English  
 Art. -No., product name: **03000 - 2 Molloplast® B**



ventilation.

Personal protection equipment:

Respiratory protection: Under the usual working conditions not necessary.

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 glasses.

Body protection: Wear working clothing.

8.2.2 Limitation and control of the environmental exposition: Prevent the material getting into in-shore waters and earth.

**9 Physical and chemical properties**

9.1 Appearance

Form: paste  
 Colour: gingiva coloured  
 Odour: odourless

9.2 Important information on health and environmental protection and on safety Method (67/ 548/EEC)

pH-value .....	n.a.	
Flash point .....	> 100 °C / 212 °F	DIN 51755
Ignition temperature .....	> 200 °C / 392 °F	DIN 51794
Vapour pressure .....	< 1 hPa at 20 °C/68 °F	
Density .....	approx. 1.1 g/cm <sup>3</sup> at 20 °C / 68 °F	DIN 51757
Solubility in water .....	virtually insoluble	
Distribution coefficient octanol / water:	n.a.	
Viscosity, dynamic .....	not tested	Brookfield
Explosion limits .....	not tested	

9.3 Further information:

Thermal decomposition .....

> 250 °C/482 °F

**10 Stability and reactivity**

10.1 Conditions to avoid: The material may autopolymerise at a temperature exceeding 60 °C /140 °F. Therefore keep containers tightly closed in a refrigerator at 2 °C - 12 °C / 36°F - 54 °F.

10.2 Materials to avoid: May react with combustible and oxidising materials.

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):  
 Do not introduce larger amounts in sewage treatment plants.

12.2 Mobility: The product forms a thin oily layer on the water surface. It is ad-

Date of print: 2011-06-28  
 Date of last alteration: 2011-06-07 - Version: 2.0 English  
 Art. -No., product name: **03000 - 2 Molloplast® B**

**DETAX**

sorbed 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: No data available.
- 12.6 Further ecotoxicological effects: Avoid escape into water, drainage, sewer, or the ground.

**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 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

**15 Regulatory information**

- 15.1 National regulations (Germany):  
 Observe local/national byelaws.
- Information for labelling is given in section 2 of this document.
- Occupational restrictions: Observe the restrictions on juvenile employment as defined in the „Jugendarbeitsschutzgesetz“.  
 Observe the restrictions on the employment of expectant and nursing mothers as defined in the „Mutterschutzverordnung“.

Date of print: 2011-06-28  
Date of last alteration: 2011-06-07 - Version: 2.0 English  
Art. -No., product name: **03000 - 2 Molloplast® B**

**DETAX**

Classification of possible adverse effects in the aquatic environment (WGK):  
Class 1 (slight adverse effects in the aquatic environment).

## 16 Other information

### 16.1 Wording of the R-phrases under section 3:

R-Phrases and identification letters

R-Phrases:

R 2

Risk of explosion by shock, friction, fire or other sources of ignition

R 36

Irritating to eyes

R 43

May cause sensitisation by skin contact

Identification letters:

E Risk of explosion

Xi Irritating

### 16.2 Further information

Explanation of the abbreviations:

n.a. = not applicable

n.s. = not subject to

### 16.3 Literature register

Richtlinie 1999/45/EG für die Einstufung, Verpackung und Kennzeichnung gefährlicher Zubereitungen

Richtlinie 67/548/EWG für die Einstufung, Verpackung und Kennzeichnung gefährlicher Stoffe, Anhang I

Sicherheitstechnische Kenndaten chemischer Stoffe, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

DFG Deutsche Forschungsgemeinschaft: MAK- und BAT-Werte – Liste 2007

Handbuch der Abfallentsorgung, ecomed-Verlag, Loseblattsammlung mit Ergänzungslieferungen

Allgemeine Verwaltungsvorschrift zur Änderung der Verwaltungsvorschrift wassergefährdender Stoffe - VwVwS vom 27. Juli 2005

Safety data sheets and further information from manufacturers / distributors

BGIA GESTIS-Stoffdatenbank, Online research

### 16.4 Product:

The given 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.

This Safety Data Sheet has been adjusted to the Directive (EC) 453/2010.