



# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 21.01.2009

Revision: 21.01.2009

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name: Fillin**
- **Application of the substance / the preparation**  
Block out material for the thermoforming technique
- **Manufacturer/Supplier:**  
Dreve Dentamid GmbH  
Max-Planck-Straße 31  
59423 Unna / Germany  
Tel.: ++49 2303 / 8807-0  
Fax.: ++49 2303 / 8807-55
- **Further information obtainable from:**  
Department Research & Development  
Fax.: ++49 2303 / 8807-562  
Email: sicherheitsdatenblatt@dreve.de
- **Information in case of emergency:**  
49(0)211/797-3350  
Plant Fire Department Henkel

### 2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Material on polyvinylsiloxane basis

- **Dangerous components:**

CAS: 67923-19-7	Polyvinylsiloxan ☒ Xi; R 36/38	< 5%
CAS: 80-43-3 EINECS: 201-279-3	bis (alpha,alpha-dimethylbenzyl) peroxide ☒ Xi, ☒ O, ☒ N; R 7-36/38-51/53	< 1%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First-aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

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(Contd. on page 2)



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(Contd. of page 1)

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide and carbon dioxide  
Methane  
Acetophenone
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Avoid contact with skin and eyes.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** When using do not eat, drink or smoke.
- **Information about fire - and explosion protection:** Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep container tightly sealed.  
Keep at a well ventilated place.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** 11

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of

(Contd. on page 3)



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(Contd. of page 2)

several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

- **General Information**

<b>Form:</b>	Solid
<b>Colour:</b>	Nature coloured
<b>Odour:</b>	Characteristic

- **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not applicable.
- **Ignition temperature:** > 400°C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1.2 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Insoluble.
- **Solvent content:**
- **Solids content:** 100.0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Thermal decomposition of the polymeres > 250°C.

Decomposition of the peroxides > 75°C.

- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
Dicumylperoxid  
Oral: LD 50 ca.4000 mg/kg (rat) >4500 mg/kg (mouse)  
Inhalativ: LC 50 > 224 mg/l
- **Primary irritant effect:**
- **on the skin:** Low irritant effect
- **on the eye:** Low irritant effect

(Contd. on page 4)



## Safety Data Sheet according to 1907/2006/EC, Article 31

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Revision: 21.01.2009

**Trade name: Fillin**

(Contd. of page 3)

- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is not biodegradable.
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.
- **European waste catalogue** 070299
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Special labelling of certain preparations:**  
Safety data sheet available for professional user on request.
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**  
36/38 Irritating to eyes and skin.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(Contd. on page 5)



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7 May cause fire.

(Contd. of page 4)

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- **Contact:** Dr. Thomas Veit, Dr. Reiner Altmann, Lothar Sutor

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