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

- Informations to product No. 7056
- Product name:

### **Benzylalkohol** Alcohol benzylicus

- **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH  
Herderstr. 31  
40721 Hilden  
Tel.: 02103/4994-0  
Fax: 02103/32360  
e-mail: info@caelo.de

- **Emergency telephone:**

Giftinformationszentrum Mainz  
Langenbeckstr. 1, 55131 Mainz  
Tel.: 06131/19240

- **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

- **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

## 2 Hazards identification

- **GHS-Labeling Elements:**



- **Signal word:** Warning

- **H-Phrases:**


H302 Harmful if swallowed  
H332 Harmful if inhaled

- **P-Phrases:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P270 Do not eat, drink or smoke when using this product  
P271 Use only outdoors or in a well-ventilated area

**Acute Tox. 4 (oral)**

**Acute Tox. 4 (inhal.)**

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### 3 Composition / information on ingredients

- **Chemical characterization:**
- CAS-No. Substance name**  
100-51-6 Benzyl alcohol
- **EINECS-No.:** 202-859-9
- **Index-No.:** 603-057-00-5
- **REACH Reg. No.:** 01-2119492630-38-0000
- **INCI-Name:** Benzyl Alcohol

### 4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, assure medical help immediately. Show product-label or this MSDS.
- **after skin contact:**  
Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **After eye contact:** Rinse out with plenty of water with the eyelid wide open. Call in ophthalmologist.
- **after swallowing:** Drink plenty of water. Avoid vomiting. Danger of aspiration! Get medical advice.
- **Medical advice:** Gastrolavage.

### 5 Fire-fighting measures


- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible. Vapours heavier /denser than air. With air explosive mixtures can be formed.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

### 6 Accidental release measures

- **Personal protective measures:** Avoid contact with substance. Do not inhale vapours. Good ventilation of working place.
- **Environmental protective measures:** Prevent from entering into surface water, the ground water system or soil.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust. Disposal according to Chapter 13 of this MSDS.

### 7 Handling and storage

- **Handling:**
- **Advice on safe handling:** Ensure good ventilation/exhaustion at the workplace. Handling corresponding to laboratory safety guidelines.
- **Informations to fire or explosion protection:** Keep away from ignition sources. Do not smoke..
- **Storage:**

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- **Requirements for storage areas and containers:** Keep container tightly closed. Store at a good ventilated place. Keep away from heat and ignition sources. Store at a cool place (+2 bis +8°C).
- **Advices on common storage:** Not required.

## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Only required if aerosols or vapours are generated.
- **Hand protection:** Protection gloves of rubber or latex or PVZ, for full contact 15 minutes maximum: Neopren. Suitable gloves for enduring contact, Material: Nitrile rubber/Nitrile latex Penetration time > 480 min., Thickness: 0,35 mm.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties


- **Form:** liquid
- **Colour:** colourless
- **Odour:** characteristic
- **Melting point / melting range:** -15,3 °C
- **Boiling point / boiling range:** 205,4 °C
- **Flash point:** 101 °C
- **Explosion hazard:** The product is not explosive, but explosive mixtures of vapour with air can be formed.
- **Explosion limits:**
- **lower:** 1,3 Vol %
- **upper:** 13 Vol %
- **Vapour pressure:** (20 °C) 0,13 hPa
- **Density:** (20 °C) 1,04 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 39 g/l

## 10 Stability and reactivity

- **Materials to avoid:** Oxidationsmittel, Non-metal-halogenides, conc. Sulphuric acid, polymerisation-initiators.
- **Hazardous decomposition products:** none.
- **Additional information:** Ungeeignete Werkstoffe: some plastics.

## 11 Toxicological information

**LD50/LC50:**      **CAS# 100-51-6:** Draize Test, Rabbit, skin: 100 mg/24H Moderate;  
 Inhalation, Mouse: LC50 = >500 mg/m<sup>3</sup>;  
 Inhalation, rat: LC50 = >500 mg/m<sup>3</sup>;  
 Oral, Mouse: LD50 = 1360 mg/kg;  
 Oral, Mouse: LD50 = 1360 mg/kg;

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Oral, Rabbit: LD50 = 1040 mg/kg;  
Oral, Rabbit: LD50 = 1040 mg/kg;  
LD50 = 1230 mg/kg;  
LD50 = 1660 mg/kg;  
Skin, Rabbit: LD50 = 2000 mg/kg;  
Skin, rat: LD50 = 100 pph/90M;

**Carcinogenity:** Not classified as carcinogene.

## 12 Ecological information

• **Information about elimination (persistence and degradability):**

Elimination: > 90%

• **Aquatic toxicity:**

Fish toxicity (LC50): *Leuciscus idus* 646 mg/l/48h

Daphnia toxicity (EC50): *Daphnia magna* 400 mg/l

Bacteria toxicity (EC50): *Pseudomonas putida* >658 mg/l

Algae I toxicity (EC50): *Scenedesmus quadricornis* 640 mg/l/96h

• **Behaviour in sewage plants:**

Activated sludge bacteria in a model sewage plant are not harmed by concentrations of 100 mg/l.

• **General advices:**

Prevent from leaking into ground water, environment waters or drainage.

• **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

## 13 Disposal considerations

• **Product:**

• **Recommendation:** Disposal according to local regulations as pharmaceutical waste..

• **Empty contaminated packaging:**

• **Recommendation:** Disposal according to the local regulations.

## 14 Transport informations

• **Land transport according to ADR:**

Not classified as dangerous in the meaning of transport regulations.

## 15 Regulatory information

• **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product is classified and labelled according to GHS-regulations.

• **Hazard symbols:** GHS07

• **Signal word:** Warning

• **H-Phrases:**


H302 Harmful if swallowed

H332 Harmful if inhaled

• **P-Phrases:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P270 Do not eat, drink or smoke when using this product

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P271 Use only outdoors or in a well-ventilated area

- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 12
- **VbF class:** -

## 16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

- **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.