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

- Informations to product No. 7086
- Product name:

Benzylbenzoat Benzylis benzoas

- **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
 H411 Toxic to aquatic life with long lasting effects

- **P-Phrases:**

P301 IF SWALLOWED:
 P312 Call a POISON CENTER or doctor/physician if you feel unwell
 P273 Avoid release to the environment

Acute Tox. 4

Aquatic Chronic 2

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3 Composition / information on ingredients

· **Chemical characterization:**

CAS-No. Substance name

120-51-4 Benzyl benzoate

· **EINECS-No.:** 204-402-9

· **Index-No.:** 607-085-00-9

· **REACH Reg. No.:** 01-2119976371-33-0000

· **INCI-Name:** Benzyl Benzoate

4 First aid measures

- **After inhalation:** Fresh air. If irritation of respiratory ways continues, seek medical advice.
- **after skin contact:** Wash away with plenty of water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

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. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **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:** Do not inhale vapours. Avoid contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **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:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Keep container tightly closed. Store at a good ventilated place. Keep away from heat and ignition sources. At room temperature (+15 to +25°C).
- **Advices on common storage:** Not required.

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8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**
Keep away from food, beverages and animal food.
Wash hands before breaks and after work.
- **Respiratory protection:** Required if vapours/Aerosols are generated.
- **Hand protection:** Protection gloves.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties


- **Form:** solid or liquid. Melting at room temperature
- **Colour:** colourless
- **Odour:** faintly aromatic
- **Melting point / melting range:** 21 °C
- **Boiling point / boiling range:** 324 °C
- **Flash point:** 158 °C
- **Ignition temperature:** 480 °C
- **Explosion hazard:** The product is not explosive.
- **Vapour pressure:** (156 °C) 6 hPa, (20°C) <0,1hPa
- **Density:** (20 °C) 1,12 g/cm³
- **Viscosity, dynamic:** (25° C) 10,9mPa.s
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 0,0153 g/l

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Above boiling point.
- **Hazardous reactions:** Vigorous reactions with strong oxidants.
- **Hazardous decomposition products:** Harmful vapours are released after strong heating.
- **Additional information:** Solvent. Incompatible with light metals, metal alloys, some plastics.

11 Toxicological information

- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
120-51-4 Benzyl benzoate
Oral: LD50: 1904 mg/kg (rat)
Dermal: LD50: 4000 mg/kg (rabbit)
- **Primary irritant effect:**
- **on skin:** Irritant effect.
- **on eyes:** Irritant effect.
- **Additional toxicological informations:** Systemic effects: Cardiovascular disorders, excitation, Erregung, Cramps, Ataxia (Disturbing of movement coordination).

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12 Ecological information

- **Aquatic toxicity:**

Fish toxicity: Danio rerio LC50: 2,32 mg/l, 96h

Bacteria toxicity: Bacteria EC50: > 10.000 mg/l, 3h

- **Persistence and degradability:**

Readily biodegradable 94%, 28days

- **General advices:** Prevent from entering into environmental waters, waste water or soil.

- **log p(O/W):** 3,97

- **Water hazard class:** 2 (VwVwS): 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:**

- **Substance name d. Gutes:** Environmentally hazardous liquid, n.o.s., Benzylum benzoicum

- **Class:** 9

- **UN-number:** 3082

- **Packing group:** III

- **Classification code:** M6

- **Limited quantities (Table 3.4.6. ADR):** 5 L

- **Hazard classification number:** 90

- **Special provisions (Chapter 3.3 ADR):** 274, 335, 601 *)

- **Additional informations for sea transport IMDG:**

- **EMS-No.:** F-A, S-F

- **Properties:** m.p.

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, GHS09

- **Signal word:** Warning

- **H-Phrases:**

H302 Harmful if swallowed

H411 Toxic to aquatic life with long lasting effects

- **P-Phrases:**


P301 IF SWALLOWED:

P312 Call a POISON CENTER or doctor/physician if you feel unwell

P273 Avoid release to the environment

- **National regulations (Germany):**

- **Water hazard class:** see chapter 12

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- **Storage class TRGS 510:** 10
- **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.