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

- Informations to product No. 2008
- Product name:

Benzoessäure Acidum benzoicum

- **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:** Danger

- **H-Phrases:**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H372 Causes damage to organs through prolonged or repeated exposure

- **P- Phrases:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P260 Do not breathe dust/fume/gas/mist/vapours/spray


P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

Skin Irrit. 2

Eye Dam. 1

STOT RE 1

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3 Composition / information on ingredients

· **Chemical characterization:**

CAS-No. Substance name

65-85-0 Benzoic acid

- **EINECS-No.:** 200-618-2
- **REACH-Reg.-No:** 01-2119455536-33-0000
- **INCI-Name:** Benzoic Acid

4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, if feeling unwell continuously, seek medical advice.
- **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.
- **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 but not flammable. In case of fire dangerous gases / vapours can be released: 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:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**

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- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses

9 Physical and chemical properties


- **Form:** solid
- **Colour:** white
- **Odour:** faint acid
- **Melting point / melting range:** 122 ° C
- **Boiling point / boiling range:** 250 ° C
- **Flash point:** not applicable
- **Density:** 1,32 g/cm³
- **Bulk density:** ca. 500 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 3,5 g/l
- **Vapour pressure:** (20 °C) 0,0011 hPa
- **pH-value:** (saturated solution, 25 °C) 2,8

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Materials to avoid:** Strong oxydants.
- **Hazardous decomposition products:** none.

11 Toxicological information

- **Acute toxicity:**
- LD/LD50-data relevant for hazard classification:**
- 65-85-0 Benzoic acid
- LC50 (inhal., Rat): >12,2 mg/l/15 min.
- Oral: LD50: 2565 mg/kg (rat)
- LDLo oral 500 mg/kg man
- LD50 (dermal, rat): 2000 mg/kg
- **Primary irritant effect:**
- **on skin:** Irritant
- **on eyes:** Irritant, serious eye damage possible.
- **on respiratory organs:** Irritant. Danger of lung damage after repeated inhalation.
- **after swallowing:** irritation of mucous membranes.
- **Sub acute / chronic toxicity:** After consumption of big quantities gastrointestinal disorder.
- **Specific target organ toxicity (single exposure):** may cause respiratory irritation
- NOAEL (dermal, rat): 2500 mg/kg/d
- NOAEL (inhalation, rat): 250 mg/m³
- **Specific target organ toxicity (repeated exposure):** not classified
- NOAEL (oral, rat, 90days): 500mg/kg/d

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12 Ecological information

- **Information about elimination (persistence and degradability):**
Easily biodegradable in water. BSB5: 1,65 g/g; ThSB: 1,96 g/g; BSB 47% von ThSB; BWZ (Bacteria): 3,3; BWZ (Fishes): 3,3.
- **Aquatic toxicity:**
Biological effects: *Leuciscus idus* LC50: 460 mg/l; *Ps.putida* ECo: 34 mg/l; *M.aeruginosa* ECo: 55 mg/l; *E.sulcatum* ECo: 218 mg/l.
- **log pOW:** 1,88 Low bioaccumulation potential.
- **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:** GHS05, GHS08
- **Signal word:** Danger
- **H-Phrases:**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H372 Causes damage to organs through prolonged or repeated exposure
- **P- Phrases:**
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P260 Do not breathe dust/fume/gas/mist/vapours/spray
P305 IF IN EYES:
P351 Rinse continuously with water for several minutes
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 11

16 Other Information

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

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