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

- **Informations to product No. 7300**
- **Product name:**

Glycerol 85% Glycerinum

- **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

- **Hazard classification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- **Chemical characterization:**

CAS-No. Substance name

56-81-5 Glycerol (85%)

- **EINECS-No.:** 200-289-5
- **REACH Reg. No.:** 01-2119471987-18-0000
- **INCI-Name:** Glycerin


CAS-No. Substance name

7732-18-5 Water (15%)

- **EINECS-No.:** 231-791-2
- **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.
- **INCI-Name:** Aqua

4 First aid measures

- **after inhalation:** (Vapours of hot product): Fresh air. If feeling unwell seek medical advice.

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- **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 plenty of water. If feeling unwell seek medical advice.
- **Medical advice:**
- **The following symptoms might occur:** Diarrhea if bigger quantities are swallowed.

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/aerosol.
- **Environmental protective measures:** Dilute with plenty of water.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust.

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).
- **Advices on common storage:** Not required.
- **Additional informations to storage conditions:** none
- **VbF-Class:** -

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:** Not required.
- **Hand protection:** Not required.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** viscous liquid

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- **Colour:** colourless
- **Odour:** Odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** > 100 °C
- **Flash point:** 199 °C
- **Ignition temperature:** 370 °C
- **Density:** (20 °C) ca. 1,2 g/cm³
- **Solubility in / Miscibility with**
- **Water** Completely miscible
- **pH-range:** 6,5 – 8,5 (50%)

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**
No decomposition during appropriate use.
- **Materials to avoid:** Strong oxidants, peroxides, halogens, water (hygroscopic).
- **Hazardous reactions:** Spontaneous ignition in contact with potassium permanganate.
- **Hazardous decomposition products:** above ca. 300°C acroleine is released.

11 Toxicological information


- **Acute toxicity:**
LD50 (oral,Rat): > 11500 mg/kg
LC50 (inhalativ,Rat): > 275 mg/cbm/4h
- **Primary irritating effect:**
- **on skin:** Nit irritant.
- **on eyes:** Slight reversible irritations on mucous membranes.
- **on respiratory organs:** After inhalation of aerosol irritations on respiratory ways and lung.
- **after swallowing:** (big quantities): Vomiting, Abdominal pain, Headache, Dizziness, Diarrhea, Cyanosis.

12 Ecological information

- **Information about elimination (persistence and degradability):**
Readily biodegradable (OECD 301C).
- **Ecotoxicological effects:**
- **Aquatic toxicity:**
Fish toxicity: LC50 (Pimephales promelas), static, 96 h: >= 885 mg/l
Daphnia toxicity: LC50 (Daphnia magna), static, 48 h: 1.955 mg/l
Water plants: EC50 (Microcystis aeruginosa) static, 192 h: 2.900 mg/l
Activated sludge: EC50, OECD 209, 3 h: > 1.000 mg/l
- **log p(O/W):** -1,76
- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

13 Disposal considerations

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

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- **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 EC-regulations:**
The product does not need to be labelled according to EC directives or respective national laws.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **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.