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

• **Informations to product No. 7301**

• **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

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4 First aid measures

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

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.

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9 Physical and chemical properties

- **Form:** viscous liquid
- **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 irritant effect:**
- **on skin:** Not 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).
- **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.

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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 does not need to be labelled according to GHS-regulations.
- **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.