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.
Material Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)

Glycerol 85%

· 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
· 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

· Thermical 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).
· Ecotoxical 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(0/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.
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.