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

• **Informations to product No. 3282**

• **Product name:**

**Macrogol 300**  
Polyethylenglycolum 300

• **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

• **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

## 3 Composition / information on ingredients

• **Chemical characterization:**

Polyethylen glycole.  $\text{HO}-(\text{CH}_2-\text{CH}_2\text{O})_n-\text{H}$  Average molar mass: 300

**CAS-Nr. Bezeichnung**

25322-68-3 Polyethylene glycole

• **EINECS-No.:** 500-038-2

• **REACH Reg. No.:** 01-2119958801-32-0000

• **INCI-Name:** PEG-6

## 4 First aid measures


• **General advices:** Change contaminated clothes.

• **after inhalation:** Fresh air.

• **after skin contact:** wash away with water.

• **after eye contact:** Rinse out with plenty of water with the eyelid wide open.

• **after swallowing:** Rinse mouth, drink plenty of water.

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## 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 vapours/gases can be generated: Smoke gases.
- **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

- **Environmental protective measures:** No special measures required.
- **Methods for cleaning:**  
Dilute with water if or 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 ). Protect from temperatures above 30°C. Protect from water and air moisture.

## 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:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** viscose liquid
- **Colour:** colourless
- **Odour:** nearly odourless, characteristic
- **Freezing point:** -15 - -10 °C
- **Boiling point / boiling range:** > 250 °C
- **Flash point:** 220 °C
- **Ignition temperature:** 360 °C
- **Decomposition temperature:** > 220 °C,
- **Density:** (20 °C) 1,12 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** miscible
- **pH-range:** (100 g/l, 20 °C) 4 - 7
- **Viscosity (kinematic):** (20 °C) 75 - 98 mm<sup>2</sup>/s DIN 51562

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- **Vapour pressure:** (20 °C) <0,1 hPa

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use. Thermal decomposition above 360 °C.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** None.

## 11 Toxicological information

- **Acute toxicity:** LD50 (Rat,oral): > 15000 mg/kg
- **Primary irritating effect:**
- **on skin:** Not irritant
- **on eyes:** Not irritant
- **Sensitization:** no sensitizing effect
- **Mutagenic potential:** negative
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

## 12 Ecological information


- **Information about elimination (persistence and degradability):** > 90% Zahn-Wellens 10 d
- **Additional information:** Readily biodegradable. >90% readily biodegradable
- Fish toxicity (Leuciscus idus): LC50 > 10 g/l/48h (DIN 38412 T.15)
- Bacteria toxicity EC50 > 1000 mg/l
- Organic Carbon (DOC): 625 mg/g
- CSB: 1700 mg/g
- **Log pOW:** < -1
- **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.

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## 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.