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

• **Informations to product No. 3290**

• **Product name:**

Macrogol 1500
Polyethylenglycolum 1500

• **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: 1500

CAS-No. Substance name

25322-68-3 Polyethylene glycole

• **EINECS-No.:** 500-038-2

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

• **INCI-Name:** PEG-32

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

9 Physical and chemical properties

- **Form:** solid
- **Colour:** colourless
- **Odour:** Nearly odourless
- **Melting point:** 44 - 48 °C (European Pharmacopeia / 2.2.18)
- **Boiling point / boiling range:** not determined.
- **Flash point:** 270 °C
- **Ignition temperature:** ca. 420 °C DIN 51794
- **Density:** 1,21 g/cm³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 630 g/l
- **pH-range:** (100 g/l, 20 °C) 5 - 7 (DIN 19268)
- **log p(o/w):** not applicable
- **Viscosity (kinematic):** (20 °C) 35 – 50 mPas 50% solution in water (Höppler)

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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 irritant effect:**

- **on skin:** Not irritant

- **on eyes:** Not irritant

- **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):** > 95% (28 d) (DIN 38412 T.24)

- **Additional information:** Readily biodegradable.

Fish toxicity (Leuciscus idus): LC50 > 10 g/l/48h (DIN 38412 T.15)

Bacteria toxicity EC0 > 12,5 g/l/3h (OECD 209)

Organic carbon (DOC): 492 mg/g

CSB: 1800 mg/g (DIN 38409-H41)

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

- **National regulations (Germany):**

- **Water hazard class:** see chapter 12

- **Storage class TRGS 510:** 11

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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.