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

• **Informations to product No. w443**

• **Product name:**

### **Macrogol 4000 Schuppen**

**Polyaethylenglycolum 4000**

**Macrogol 4000 Flakes**

• **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: 4000

**CAS-No. Substance name**

25322-68-3 Polyethylene glycole

• **EINECS-No.:** 500-038-2

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

• **INCI-Name:** PEG-75

## 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. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.

## 6 Accidental release measures

- **Personal protective measures:** Avoid contact with substance and dust generation.
- **Environmental protective measures:** Avoid entering into drains.
- **Methods for cleaning:** 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:** Dust protection mask
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** nearly odourless
- **Melting point / melting range:** 50 - 58 °C
- **Boiling point / boiling range:** Not determined
- **Flash point:** ca. 250 °C DIN ISO 2592
- **Ignition temperature:** ca. 420 °C DIN 51794
- **Decomposition temperature:** > 220 °C
- **Density:** at 20 °C 1,21 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water** ca. 500 g/l (20 °C)
- **pH-range:** (100 g/l, 20 °C) 4 - 7

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**

No decomposition during appropriate use.

- **Hazardous reactions:** No hazardous reactions known.

- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Acute toxicity:**

LD50 (Rat, oral): > 2000 mg/kg (OECD 401)

LD50 (Rabbit, oral): > 2000 mg/kg

LD50 (Rat, dermal): > 2000 mg/kg (OECD 402)

- **Primary irritant effect:**

- **on skin:** Not irritant (OECD 404)

- **on eyes:** Not irritant

## 12 Ecological information

- **Information about elimination (persistence and degradability):**

> 70% 21d, aerob (OECD TG 301 A) Easily biodegradable.

- **Ecotoxicological effects:**

**Toxicity for fishes, algae, bacteria:**

LC50 : > 100 mg/l Cyprinus carpio, 96 h (OECD 203)

EC50 : > 100 mg/l Daphnia magna; 48 h (OECD 202)

EC50 : > 100 mg/l Desmodesmus subspicatus; 72 h (OECD 201)

EC10 : > 10,000 mg/l (Pseudomonas putida; 18 h)

- **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.

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- **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:** Anpassung an Verordnung (EC) 1907/2006 (REACH)