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

- **Informations to product No. 3257**
- **Product name:**

Dehydol ® LS 2
Macrogol-2-laurylether

- **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

- **GHS-Labeling Elements:**



- **Signal word:** Warning

- **H-Phrases:**


H319 Causes serious eye irritation
H400 Very toxic to aquatic life

- **P-Phrases:**

P280 Wear protective gloves/protective clothing/eye protection/face protection
P305 IF IN EYES:
P351 Rinse continuously with water for several minutes
P273 Avoid release to the environment

Eye Irrit. 2

Aquatic Acute 1

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3 Composition / information on ingredients

• **Chemical characterization:**

CAS-No. Substance name

CAS-No.: 68439-50-9 Fatty alcohols, C12 - C14, ethoxylated.

• **EINECS-No.:** 500-213-3

• **REACH Reg. No.:** 01-2119487984-16-0000

• **INCI-Name:** Laureth-2

4 First aid measures

- **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. Call in ophthalmologist, even if no immediate symptoms are observed.
- **After swallowing:** Drink water. Induce vomiting. Seek medical advice.

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:** Avoid contact with substance.
- **Environmental protective measures:** Prevent from leaking into sewage water, ground water system or surface waters. Clean up floor with surfactant containing water thoroughly.
- **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.
- **Informations to fire or explosion protection:** Keep away from open fire.
- **Storage:**
- **Requirements for storage areas and containers:** Keep container tightly closed.
- **VCI storage class:** 10

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8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Hand protection:** Protection gloves of rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** liquid
- **Colour:** colourless
- **Odour:** nearly odourless
- **Melting point / melting range:** 10, 8 °C (84/449/EWG, A.1)
- **Pourpoint:** < 5,0 °C (DIN ISO 3016)
- **Boiling point / boiling range:** 289,9 - 291,9 °C (1020 hPa) (84/449/EWG, A.2)
- **Flash point:** 143 °C DIN EN 22719-93
- **Vapour pressure:** (38 °C) 0,147 hPa
- **Density:** (20,0 °C) 0,8700 - 0,9000 g/cm³; (70,0 °C) 0,863 - 0,867 g/cm³ (DIN 51757)
- **Solubility in / Miscibility with**
- **Water:** emulsant
- **pH-range:** (10 g/l, 20 °C) 6 - 7,5 (DGF-H-III-1)

10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:**
No decomposition if appropriately used.
- **Materials to avoid:** Strong oxidants
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none.

11 Toxicological information

- **Acute toxicity:**
LD50(oral, rat): > 2000 mg/kg (OECD 401)
LD50(dermal): > 2000 mg/kg
- **Primary irritant effect:**
- **on skin:** not or slightly irritant.
- **on eyes:** Strong irritations with danger of serious eye damages.
- **Sensitization:** not sensitizing

12 Ecological information

- **Aquatic toxicity:**
Fische LC50 > 1 - 10 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)
Daphnien EC50 > 0,1 - 1 mg/l, Daphnia magna (OECD-Richtlinie 202, Teil 1)
Algen EC50 > 0,1 - 1 mg/l, Scenedesmus subspicatus (OECD-Richtlinie 201)
Bakterien EC0 > 100 mg/l, Pseudomonas putida
Fische NOEC <= 1 mg/l, Lepomis macrochirus
Daphnien NOEC <= 1 mg/l, Daphnia magna

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Bioaccumulation potential: This substance is not considered as persistent or bioaccumulating.

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

Readily biodegradable in tests on biodegradability (e.g. OECD A-F)

• **Water hazard class:** 2 (VwVwS): 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:**
- **Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s., fatty alcohols
- **Class:** 9
- **UN-number:** 3082
- **Packing group:** III
- **Classification code:** M6
- **Limited quantities (Table 3.4.6. ADR):** 5 L
- **Hazard classification number:** 9
- **Special provisions (Chapter 3.3 ADR):** 274, 335, 601
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-A, S-F
- **Properties:** m.p.

15 Regulatory information

- **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product is classified and labelled according to GHS-regulations.

• **Hazard symbols:** GHS07, GHS09

• **Signal word:** Warning

• **H-Phrases:**

H319 Causes serious eye irritation

H400 Very toxic to aquatic life

• **P-Phrases:**

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305 IF IN EYES:

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P273 Avoid release to the environment

• **National regulations (Germany):**

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

• **Storage class TRGS 510:** 10

• **VbF class:** -

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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.