

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.04.2022

Version number 3.00

Revision: 27.04.2022

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

- **Product identifier**
- **Trade name:** Macrogol lauryl ether
- **Article number:** 3279
- **CAS Number:**  
68439-50-9
- **NLP Number:**  
500-213-3
- **Registration number** The substance is exempt from REACH-registration.
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Ingredient for pharmaceutical drugs
- **Uses advised against** No relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
CAELO  
Caesar & Loretz GmbH  
Herderstr. 31  
D-40721 Hilden  
GERMANY
- **Further information obtainable from:**  
E-mail: info@caelo.de  
Tel.: +49210349940 (during regular opening hours)
- **Emergency telephone number:**  
Poison Information Center Bonn  
Venusberg-Campus 1, 53127 Bonn  
Tel: +49 (0) 228-192400

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Aquatic Acute 1 H400 Very toxic to aquatic life.  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS09

- **Signal word** Warning

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**· Hazard statements**

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

**· Precautionary statements**

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.

### 3 Composition/information on ingredients

**· Chemical characterisation: Substances****· CAS No. Description**

68439-50-9 Alcohols, C12-14, ethoxylated

**· Identification number(s)****· NLP Number:** 500-213-3**· INCI-Name** C12-14 PARETH-3

### 4 First aid measures

**· Description of first aid measures****· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:**

Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.

**· After eye contact:**

Rinse opened eye for several minutes under running water.

Seek medical advice, even if no immediate symptoms are observed.

**· After swallowing:**

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

**· Information for doctor:****· Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**· Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Firefighting measures

**· Extinguishing media****· Suitable extinguishing agents:**

All regular extinguishing media can be used.

Use fire extinguishing methods suitable to surrounding conditions.

**· Special hazards arising from the substance or mixture**

Combustible. In case of fire dangerous vapours/gases can be generated: Smoke gases.

**· Advice for firefighters****· Protective equipment:** In case of fire wear suitable protective clothes and respiratory protection.

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**· Additional information**

Prevent from entering into drains. Fire residues must be disposed in accordance with official regulations.

### 6 Accidental release measures

**· Personal precautions, protective equipment and emergency procedures**

Avoid contact with the substance.

**· Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

**· Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**· Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

**· Handling:**

**· Precautions for safe handling** No special precautions are necessary if used correctly.

**· Information about fire - and explosion protection:** No special measures required.

**· Conditions for safe storage, including any incompatibilities****· Storage:**

**· Requirements to be met by storerooms and receptacles:** Tightly closed.

**· Information about storage in one common storage facility:** Not required.

**· Further information about storage conditions:** Keep away from ignition sources.

**· Storage class:** TRHS 510: 10 Combustible liquids

**· Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

**· Additional information about design of technical facilities:** No further data; see item 7.

**· Control parameters**

**· Ingredients with limit values that require monitoring at the workplace:** Not required.

**· Exposure controls****· Personal protective equipment:**

**· General protective and hygienic measures:** Wash hands before breaks and at the end of work.

**· Respiratory protection:** Suitable respiratory protective device recommended.

**· Protection of hands:** Protective gloves

**· Material of gloves**

Rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**· Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:** Tightly sealed goggles

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	Colourless
· <b>Odour:</b>	Nearly odourless
· <b>Odour threshold:</b>	Not determined.

· **pH-value (10 g/l) at 20 °C:** 6–7.5· **Change in condition**

· <b>Melting point/freezing point:</b>	10.8 °C
· <b>Initial boiling point and boiling range:</b>	290 °C

· **Flash point:** 143 °C· **Flammability (solid, gas):** Not applicable.· **Decomposition temperature:** Not determined.· **Auto-ignition temperature:** Not determined.· **Explosive properties:** Product does not present an explosion hazard.· **Explosion limits:**

· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.

· **Vapour pressure at 38 °C:** 0.147 hPa· **Density at 20 °C:** 0.87–0.9 g/cm<sup>3</sup>· **Relative density** Not determined.· **Vapour density** Not determined.· **Evaporation rate** Not determined.· **Solubility in / Miscibility with water at 25 °C:** 7-63 g/l· **Partition coefficient: n-octanol/water:** Not determined.· **Viscosity:**

· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.

· **Other information** No further relevant information available.

### 10 Stability and reactivity

· **Reactivity** No further relevant information available.· **Chemical stability**· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
  - CAS: 68439-50-9 Alcohols, C12-14, ethoxylated**
  - Oral LD50 2,000 mg/kg (rat)
  - Dermal LD50 2,000 mg/kg (rat)
  - Inhalative LC50 1,600 mg/m<sup>3</sup> (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Slightly irritant.
- **Serious eye damage/irritation** Slight irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
  - CAS: 68439-50-9 Alcohols, C12-14, ethoxylated**
  - LC50 1.2 mg/L (Fish)
  - EC50 0.53 mg/L (invertebrates)
- **Persistence and degradability**
  - Easily biodegradable
  - Moderately/partly eliminable from water.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** Does not accumulate in organisms
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:**
  - Very toxic for fish
  - Toxic for fish
- **Additional ecological information:**
- **General notes:**
  - Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

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Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Toxic for aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to local regulations.

### 14 Transport information

· **UN-Number**

· **ADR, IMDG, IATA**

UN3082

· **UN proper shipping name**

· **ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (Alcohols, C12-14, ethoxylated)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (Alcohols, C12-14, ethoxylated)

· **IATA**

Environmentally hazardous substance, liquid, n.o.s.  
(Alcohols, C12-14, ethoxylated)

· **Transport hazard class(es)**

· **ADR, IMDG, IATA**

· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **Packing group**

· **ADR, IMDG, IATA**

III

· **Environmental hazards:**

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Miscellaneous dangerous substances and  
articles.

· **Hazard identification number (Kemler code):** 90

· **EMS Number:**

F-A,S-F

· **Transport in bulk according to Annex II of  
Marpol and the IBC Code**

Not applicable.

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**· Transport/Additional information:****· ADR**

· Limited quantities (LQ)	5L
· Transport category	3
· Tunnel restriction code	-

**· IMDG**

· Limited quantities (LQ)	5L
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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Not listed
  - **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
  - **National regulations:**
  - **Storage of hazardous substances in in nonstationary vessels (TRGS 510) (Germany)**  
TRHS 510: 10 Combustible liquids
  - **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
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### 16 Other information

- The information provided is based on our current level of knowledge. This MSDS has been compiled and is exclusively for this product intended.
- **Reasons for alterations** This version replaces all old versions.
  - **Abbreviations and acronyms:**  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
MAL-Code: Måleteknisk Arbejdshygjnjnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
  - **\* Data compared to the previous version altered.**
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