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## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 03.09.2025 Version number 3.00 (replaces version 2.00) Revision: 03.09.2025

### 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



· 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.
- · Determination of endocrine-disrupting properties Not applicable.

### 3 Composition/information on ingredients

- · Substances
- · CAS No. Description

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

- · Identification number(s)
- · NLP Number: 500-213-3

#### 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 eve 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.

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

- 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 souces.
- · Storage class: TRHS 510: 10 Combustible liquids
- · Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

- · Control parameters
- Ingredients with limit values that require monitoring at the workplace: Not required.
- · Additional information: The lists valid during the making were used as basis.
- · Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as 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.
- · Hand protection 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/face protection Tightly sealed goggles

### 9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

Physical state
Colour:
Odour:
Odour threshold:

Liquid

Colourless

Nearly odourless
Not determined.

· Melting point/freezing point: 10.8 °C

· Boiling point or initial boiling point and boiling

range 290 °C

· Flammability Not applicable.

· Lower and upper explosion limit

Lower: Not determined.Upper: Not determined.

· Flash point: 143 °C

· **Decomposition temperature:** Not determined.

pH (10 g/l) at 20 °C 6–7.5

· Viscosity:

Kinematic viscosityDynamic:Not determined.Not determined.

· Solubility

• water at 25 °C: 7-63 g/l

Partition coefficient n-octanol/water (log value) Not determined.

• Vapour pressure at 38 °C: 0.147 hPa

Density and/or relative density

Density at 20 °C: 0.87–0.9 g/cm³
 Relative density Not determined.
 Vapour density Not determined.

· Other information

· Appearance:

· Form: Fluid

Important information on protection of health

and environment, and on safety.

· **Ignition temperature:** Not determined.

• Explosive properties: Product does not present an explosion hazard.

Change in condition

· Evaporation rate Not determined.

· Information with regard to physical hazard

classes

· Explosives Void Void

· Flammable gases Void Void

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Aerosols Void Void Oxidising gases Void Void Gases under pressure Void Void Void Void Void Void Void Void	
· Oxidising gases  Void  · Gases under pressure  Void  Void  · Flammable liquids  Void	
Void  · Gases under pressure  Void  Void  Void  Void  Void  Void	
Void  · Gases under pressure  Void  Void  Void  Void  Void  Void	
Void • Flammable liquids • Void	
· Flammable liquids Void	
· Void	
Voiu	
· Flammable solids Void	
Void	
· Self-reactive substances and mixtures Void	
Void	
· Pyrophoric liquids Void	
Void	
· Pyrophoric solids Void	
Void	
· Self-heating substances and mixtures Void	
Void	
· Substances and mixtures, which emit flammable	
gases in contact with water Void	
Void	
· Oxidising liquids Void	
Void	
· Oxidising solids Void	
Void	
· Organic peroxides Void	
Void	
· Corrosive to metals Void	
Void	
· Desensitised explosives Void	
Void	

## 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.

- · 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 hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

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· 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/m3 (rat)

- · Primary irritant effect:
- Skin corrosion/irritation

Slightly irritant.

Based on available data, the classification criteria are not met.

· Serious eye damage/irritation

Slight irritation.

Based on available data, the classification criteria are not met.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · 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.
- Information on other hazards
- · Endocrine disrupting properties

On the basis of the available data, the substance does not meet the criteria for the identification of substances having properties of interference with the endocrine system, in accordance with Article 59, paragraph 1 of the REACH Regulation and the criteria established in the Delegated Regulation (EU) 2017 / 2100 of the Commission or in Commission Regulation (EU) 2018/605.

### 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.

- · Bioaccumulative potential Does not accumulate in organisms
- · Mobility in soil No further relevant information available.
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.
- **Endocrine disrupting properties**

Based on the available data, the substance does not meet the criteria for the identification of substances with properties affecting the endocrine system according to Article 59(1) of the REACH Regulation and the criteria of the Commission Delegated Regulation (EU) 2017/2100 or in the Commission Regulation (EU) 2018/605.

The product does not contain substances with endocrine disrupting properties.

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- · Other adverse 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

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

### 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 or ID number

· ADR, IMDG, IATA UN3082

· UN proper shipping name

· ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

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

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

Environmentally hazardous substance, liquid, n.o.s.

(Alcohols, C12-14, ethoxylated)

· Transport hazard class(es)

· ADR, IMDG, IATA

·IATA

· Class 9 Miscellaneous dangerous substances and articles.

· Label

· Packing group

· ADR, IMDG, IATA

· Environmental hazards:

Marine pollutant:
 Special marking (ADR):
 Special marking (IATA):
 Symbol (fish and tree)
 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

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· Maritime transport in bulk according to IMO

**instruments** Not applicable.

· Transport/Additional information:

· ADR

Limited quantities (LQ)
 Transport category
 Tunnel restriction code

· IMDG

· Limited quantities (LQ)

UN 3082 ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, LIQUID, N.O.S. (ALCOHOLS, C12-14,

ETHOXYLATED), 9, III

### 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
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

Substance is not listed.

- · 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.

#### 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.
- · Version number of previous version: 2.00
- · 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 Arbejdshygiejnisk 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