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

- Informations to product No. g34
- Product name:

Cineol, API
Cineolum, Eucalyptolum

- 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:

H226 Flammable liquid and vapour
H317 May cause an allergic skin reaction

- P-Phrases:


P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection

Flam. Liq. 3
Skin Sens. 1

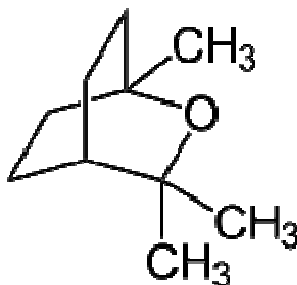
3 Composition / information on ingredients

CAS-No. Substance name

470-82-6 1,8-Cineol (Eucalyptol)

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- **EINECS-Nr.:** 207-431-5
- **REACH Reg. No.:** 01-2119967772-24-0000
- **INCI-Name:** Eucalyptol
- **Chemical characterization:**



4 First aid measures

- **after inhalation:** Fresh air. If irritation of respiratory ways continues, seek medical advice.
- **after skin contact:** Wash off with water, remove contaminated clothing.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** If feeling unwell 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. Wear suitable protective equipment according to Chapter 8 of this MSDS.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **Additional information:** Prevent from entering into drains, prevent from contaminating surface water or the ground water system. Good ventilation of working place.

7 Handling and storage

- **Handling:** Good ventilation / exhaustion of working place. Avoid formation of aerosols.
- **Informations to fire or explosion protection:** Good ventilation / exhaustion of working place and storage place. Keep away from ignition sources – Do not smoke. Take measures to prevent electrostatic charging.
- **Storage:**

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• **Requirements for storage areas and containers:**

Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C). Store at a good ventilated place.

• **Advices on common storage:** Not required.

• **Additional informations to storage conditions:** none

8 Exposure controls / personal protective equipment

• **Components with limit values that require monitoring at the workplace:** The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace.

• **Personal protective equipment:**

• **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.

• **Respiratory protection:** Only required if aerosols or vapours are generated.

• **Hand protection:** Protection gloves of rubber or latex or PVZ, for full contact 15 minutes maximum: Neopren. Suitable gloves for enduring contact, Material: Nitrile rubber/Nitrile latex Penetration time > 480 min., Thickness: 0,35 mm.

• **Eye protection:** Safety glasses

9 Physical and chemical properties

• **Form:** liquid

• **Colour:** colourless

• **Odour:** strong smell of Eucalyptus

• **Melting point / melting range:** 1 °C

• **Boiling point / boiling range:** 174 - 177 °C

• **Flash point:** ca. 51°C

• **Density:** (20 °C) 0,925 g/cm³

• **Solubility in / Miscibility with**

• **Water:** Not readily soluble

• **Additional information:** Soluble in many organic solvents.

10 Stability and reactivity

• **Thermal decomposition / conditions to avoid:** Stable up to 250° C. No decomposition during appropriate use.

• **Materials to avoid:** Strong oxidizers, strong acids and bases.

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

• **Hazardous decomposition products:** none

11 Toxicological information

• **Acute toxicity:**


LD50(oral, Rat): 2480 mg/kg

LD50(dermal, Rabbit): > 5000 mg/kg

• **Primary irritant effect:**

• **on skin:** no irritant effect

• **on eyes:** no irritant effect

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- **Sensitization:** Skin sensitization possible.

12 Ecological information

- **General advices:** Do not allow product to reach ground water, water course or sewage system. Danger for drinking water even if small quantities are released into soil.
- **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:** Flammable liquid, n.o.s. (Essential oil)
- **Class:** 3
- **UN-number:** 1993
- **Packing group:** III
- **Classification code:** F1
- **Limited quantities (Table 3.4.6. ADR):** 5 Liter
- **Hazard classification number:** 30
- **Special provisions (Chapter 3.3 ADR):** 274, 640E
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-E, S-E
- **Properties:** Fp=51°C

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:** GHS02, GHS07
- **Signal word:** Warning
- **H-Phrases:**
H226 Flammable liquid and vapour
H317 May cause an allergic skin reaction
- **P-Phrases:**
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 3
- **VbF class:** All

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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.