


<p>Page 1 of 5</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Oleum Eucalypti (80-85% Cineol), API</p>	 <p>Revision Date 03.12.2018</p>
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1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. g601**

· **Product name:**

Oleum Eucalypti (80-85% Cineol), API

Eucalyptusöl

Eucalyptus oil

· **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

H412 Harmful to aquatic life with long lasting effects.

· **P-Phrases:**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician


P303 IF ON SKIN :

P352 Wash with plenty of soap and water.

Flam. Liq. 3

Skin Sens. 1B

Aquatic Chronic 3

<p>Page 2 of 5</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Oleum Eucalypti (80-85% Cineol), API</p>	 <p>Revision Date 03.12.2018</p>
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3 Composition / information on ingredients

• **Chemical characterization:**

CAS-No. Substance name

223748-96-7 Eucalyptus oil

• **EINECS-No.:** 607-030-9

• **REACH Reg. No.:** -

• **INCI-Name:** Eucalyptus Citriodora Oil

• **Description:**

Essential oil, prepared by steam distillation from Eucalyptus Citriodora. Contains 80 – 85% Cineol (CAS 470-82-6)

Hazardous components:

CAS: 138-86-3, EINECS: 205-341-0, **Dipenten**, H226; H304; H400; H410; H315; H317, 1-2,49%

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. If feeling unwell continuously seek medical advice.
- **after swallowing:** Seek medical advice immediately.

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
- **Special protective equipment for fire-fighters:** Do not inhale combustion gases. Wear 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 protective equipment. Good ventilation of working place.
- **Environmental protective measures:** Prevent from entering into drains. If product is entering drainage ditch or surface waters inform responsible authorities.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust, disposal of contaminated material: see chapter 13. 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.

<p>Page 3 of 5</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Oleum Eucalypti (80-85% Cineol), API</p>	 <p>Revision Date 03.12.2018</p>
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- **Storage:**
- **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. Avoid safely penetration into soil.
- **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:** Limonen
- **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:** light yellow
- **Odour:** strong odour of eucalyptus
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** 52 °C
- **Density:** (20 °C) 0,912 g/cm³
- **Solubility in / Miscibility with**
- **Water:** not soluble

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**
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:**
- **Primary irritant effect:**
- **on skin:** no irritant effect
- **on eyes:** no irritant effect
- **Sensitization:** Sensitization by skin contact possible.

<p>Page 4 of 5</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Oleum Eucalypti (80-85% Cineol), API</p>	 <p>Revision Date 03.12.2018</p>
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12 Ecological information

- **Ecotoxical effects:**

Harmful to fishes.

- **General advices:** Do not allow product to reach ground water, water course or sewage system even in small quantities. Danger to drinking water if even small quantities leak into the ground.

- **Water hazard class:** 2 (self classification): 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 liquids, 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:**

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- **P-Phrases:**

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- **National regulations (Germany):**

<p>Page 5 of 5</p> <p>Print Date 03.12.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Oleum Eucalypti (80-85% Cineol), API</p>	 <p>Revision Date 03.12.2018</p>
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- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 3
- **VbF class:** AllI

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.