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-Labelling 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
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.
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

- Thermical 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.
12 Ecological information

· Ecotoxic effects: Harmful to fishes.
· General advice: 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 information

· 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:
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.
· National regulations (Germany):
· **Water hazard class**: see chapter 12
· **Storage class TRGS 510**: 3
· **VbF class**: AIII

### 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.