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

· **Informations to product No. g168**

· **Product name:**

### **Oleum camphoratum forte 20%**

**Campferöl 20%**

**Camphor 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

## 2 Hazards identification

· **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

## 3 Composition / information on ingredients

· **Chemical characterization:** Mixture of: Camphor, racemic (20%), Myritol ® 318 – medium chain length triglycerides (ca.80%)

**CAS-No. Substance name**

73398-61-5 Triglyceride, gemischt Decanoyl und Octanoyl (80%)

· **EINECS-Nr.:** 277-452-2

· **REACH Reg.-No.:** 01-2119492306-35-0000, 01-2119492306-35-0000

· **INCI-Name:** Capric Triglyceride

**CAS-No. Substance name**

464-49-3 Bornan-2-on, D-Camphor (20%), GHS02, GHS07, GHS08, H228, H332, H371

· **EINECS-No.:** 207-335-2

· **REACH Reg. No.:** 01-2120768421-55-0000

· **INCI-Name:** Camphor


## 4 First aid measures

· **General advices:** No special measures required.

· **after inhalation:** Not relevant.

· **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.

· **after eye contact:** Rinse out with plenty of water with the eyelid wide open.

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- **after swallowing:** Drink water. Induce vomiting. 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, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **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.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust.
- **General information:** No hazardous substances are released.

## 7 Handling and storage

- **Handling:** No special requirements.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:**  
Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ).
- **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:** Not required.
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties

- **Form:** liquid
- **Colour:** colourless
- **Odour:** Camphor

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- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Ignition temperature:** 460 °C
- **Explosion limits (for Camphor):**
- **lower:** 0,6 Vol %
- **upper:** 4,5 Vol %
- **Vapour pressure:** (20 °C) 0,3 hPa
- **Density:** (20 °C) 0,916 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** not soluble

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**  
No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

## 12 Ecological information


- **Ecotoxicological effects:**  
Fish toxicity: LC50 - Danio rerio. 36 mg/l / 96 h (determined with D-Camphor), Pimephales promelas: 110 mg/l / 96 h (determined with DL-Camphor)
- **General advices:** Do not empty into drains, prevent from contaminating surface water or the ground water system.
- **Log pOW:** 2,38
- **Water hazard class:** 1 (VwVwS): slightly 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:**  
Not classified as dangerous in the meaning of transport regulations.

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## 15 Regulatory information

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product does not need to be labelled according to GHS-regulations.

· **National regulations (Germany):**

· **Water hazard class:** see chapter 12

· **Storage class TRGS 510:** 10

· **VbF class:** -

## 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.