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

- Informations to product No. g522
- Product name:

### Oleum Zingiberis Ingweröl Ginger 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: Danger


- H-Phrases:

H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

- P-Phrases:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 IF SWALLOWED:  
P310 Immediately call a POISON CENTER or doctor/physician.

**Asp. Tox. 1**  
**Aquatic Chronic 2**  
**Skin Sens. 1**

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### 3 Composition / information on ingredients

• **Chemical characterization**

**CAS-No. Substance name**

8007-08-7, 84696-15-1Ginger oil

• **EINECS-No.:** 616-904-9, 283-634-2

• **REACH Reg. No.:** 01-2120781538-41-0000

• **INCI-Name:** Zingiber Officinale Root Oil

• **Description:** Etheric oil, prepared from ginger by steam distillation

**Hazardous components:**

CAS: 79-92-5, EINECS: 201-234-8, **Camphen**, H228; H410; H319, 5-9,99%

CAS: 138-86-3, EINECS: 205-341-0, **Limonen**, H226; H304; H400; H410; H315; H317, 5-9,99%

CAS: 555-10-2, EINECS: 209-081-9, **β-Phellandren**, H226; H304, 2,5-5%

CAS: 78-70-6, EINECS: 201-134-4, **3,7-Dimethyl-1,6-octadien-3-ol**, H315, 1-2,49%

CAS: 7785-26-4, EINECS: 232-077-3, **alpha-Pinen**, H226; H304; H400; H410; 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.

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• **Informations to fire or explosion protection:** Good ventilation / exhaustion of working place and storage place. Keep away from ignition sources – Do not smoke.

• **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 – light brown

• **Odour:** strong odour of ginger

• **Melting point / melting range:** not determined

• **Boiling point / boiling range:** not determined

• **Flash point:** 68 °C

• **Density:** (20 °C) 0,872 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.

• **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:** slight irritant effect

• **on eyes:** slight irritant effect

• **Sensitization:** Sensitization by skin contact possible.

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## 12 Ecological information

- **Ecotoxical effects:**

Harmful for water organisms.

- **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:**

Not classified as dangerous in the meaning of transport regulations.

## 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:** GHS07, GHS08, GHS09

- **Signal word:** Danger

- **H-Phrases:**

H317 May cause an allergic skin reaction.

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H411 Toxic to aquatic life with long lasting effects.

- **P-Phrases:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician.

- **National regulations (Germany):**


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

- **Storage class TRGS 510:** 10

- **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.

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· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.