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

· **Informations to product No. g475**

· **Product name:**

Oleum Menthae piperitae „DULCIMITCHAM“ dopp. rectific.

Pfefferminzöl

Peppermint 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:**

H315 Causes skin irritation

H317 May cause an allergic skin reaction

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

Skin Irrit. 2

Skin Sens. 1

Aquatic Chronic 2

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3 Composition / information on ingredients

- **Chemical characterization**

- **Description:** Essential oil, prepared from the aboveground parts of peppermint by steam distillation

CAS-No. Substance name

91722-84-8 Mentha arvensis piperascens ext.

- **EINECS-No.:** 294-486-3

- **REACH Reg. No.:** (pre-registered)

- **INCI-Name:** Mentha Piperita Oil

Hazardous components:

CAS: 2216-51-5, EINECS: 218-690-9, **L-Menthol**, H315, 25-49,99%

CAS: 89-80-5, EINECS: 201-941-1, **Menthon**, H412, 25-49,99%

CAS: 138-86-3, EINECS: 205-341-0, **Limonen**, H226; H304; H400; H410; H315; H317, 2,5-5%

CAS: 2623-23-6, EINECS: 220-076-0, **Menthylacetat**, H411, 2,5-5%

CAS: 491-07-6, EINECS: 207-727-4, **cis-5-Methyl-2-(1-Methylethyl)-1-cyclohexanon**, H302, 1-2,49%

CAS: 494-90-6, EINECS: 207-795-5, **4,5,6,7-Tetrahydro-3,6-dimethylbenzofuran**, H411; H302; H315; H319, 1-2,49%

CAS: 89-82-7, EINECS: 201-943-2, **Pulegon**, H302, 1-2,49%

CAS: 470-82-6, EINECS: 207-795-5, **1,8-Cineol**, H226, 5-9,99%

CAS: 18172-67-3, EINECS: 242-060-2, **beta-Pinene**, H226, H304, H315, H317, 1-2,49%

CAS: 562-74-3, EINECS: 209-235-5, **p-Menth-1-en-4-ol**, H302, H315, H319, 1-2,49%

CAS: 7785-26-4, EINECS: 232-077-3, **alpha-Pinene**, H226, H304, H315, H317, 1-2,49%

CAS: 5989-27-5, EINECS: 227-813-5, **Limonen**, H411, 1-2,49%

4 First aid measures


- **after inhalation:** Fresh air
- **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:** 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. 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 dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **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.

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7 Handling and storage

- **Handling:** No special requirements.
- **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 – light yellow
- **Odour:** odour of peppermint
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** 71°C
- **Density:** (20 °C) 0,898 - 0,906 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:** Quantitative toxicological data for this product are not available.
- **Primary irritant effect:**
- **on skin:** Irritations.

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- **on eyes:** Irritations.
- **Sensitization:** Sensitization possible through skin contact.

12 Ecological information

- **Ecotoxicological effects:**
Harmful for water organisms. Toxic for fish
- **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.
In environmental waters harmful for water organisms
- **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:** Environmentally hazardous substance, liquid, n.o.s., essential oil
- **Class:** 9
- **UN-number:** 3082
- **Packing group:** III
- **Classification code:** M6
- **Limited quantities (Table 3.4.6. ADR):** 5 Liter
- **Hazard classification number:** 90
- **Special provisions (Chapter 3.3 ADR):** 274, 335, 601
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-A, S-F
- **Properties:** Fp = m.p.

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, GHS09
- **Signal word:** Warning
- **H-Phrases:**
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects.
- **P-Phrases:**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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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:** 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.