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

· **Informations to product No. g179**

· **Product name:**

Oleum Petrae album rectific.

Gereinigtes Petroleum (Destillationsbereich: 170-240°C)

Purified petroleum (Distillation range 170-240°C)

· **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:**

H304 May be fatal if swallowed and enters airways

· **P-Phrases:**

P301 IF SWALLOWED:


P331 Do NOT induce vomiting

Asp. Tox. 1

2 Composition / information on ingredients

· **Chemical characterization:**

A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of

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hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C

CAS-No. Substance name

8008-20-6 Kerosine

- **EINECS-No.:** 232-366-4
- **EC-Index-No.:** 649-404-00-4
- **REACH Reg. No.:** 01-2119485517-27-0000
- **INCI-Name:** Petroleum Distillates

4 First aid measures


- **General advices:** Get out of the endangered area. Take off contaminated clothes immediately. Get medical help.
- **after inhalation:** Fresh air, seek medical advice.
- **after skin contact:** Wash away with water and soap immediately and rinse off. If skin irritation continues seek medical advice.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open, seek medical advice.
- **after swallowing:** Do not induce vomiting, seek medical advice immediately.
- **Medical advice:** after swallowing with following vomiting aspiration into the lung is possible, which leads to chemical pneumonia or apnoea.
Give activated coal in order to reduce resorption in gastrointestinal tract. Because of danger of aspiration gastrolavage only under endotracheal intubation. Never give milk or fat oils.

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:** product vapours can form explosive mixtures with air. In case of fire carbon monoxide, soot and other organic products can be released
- **Special protective equipment for fire-fighters:** Wear respiratory protection and suitable protective equipment.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations. Cool endangered containers with water.

6 Accidental release measures

- **Personal protective measures:**
Wear protective equipment. Keep away not protected persons.
Good ventilation of working place.
Keep away from ignition sources.
Avoid contact with eyes and skin.
Do not inhale vapours/aerosols.
- **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.
- **Additional information:** Prevent from entering into drains, prevent from contaminating surface water or the ground water system.
If product is leaking into the drainage or soil, inform local authorities.

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7 Handling and storage

- **Handling:**

- **Advice on safe handling:**

Good ventilation / exhaustion of working place, especially near the ground (Vapours are heavier than air).

- **Informations to fire or explosion protection:**

Combustible liquid. Vapours can form explosive mixtures with air.

Keep away from ignition sources. Do not smoke..

- **Storage:**

- **Requirements for storage areas and containers:**

Store at a cool place, good ventilated. provide solvent-proof floor.

- **Additional informations to storage conditions:**

Store containers tightly closed at a cool and dry place.

Protect from heat and direct sunlight.

Store at a cool place, Heating leads to rise in pressure and danger of bursting.

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

Hydrocarbon mixture (Gruppe 2)

TRGS 900: 500 mg/m³, 100 ml/m²

- **Personal protective equipment:**

- **General protective and hygiene measures:**

Keep away from food, beverages and animal food.

Wash hands before breaks and after work.

Take off contaminated clothes immediately.

Do not inhale vapours/aerosols.

Avoid contact with eyes and skin.

- **Respiratory protection:** Respiratory protection or good ventilation of working place. Gas filter A2

- **Hand protection:** Protection gloves, solvent-proof

- **Eye protection:** Safety glasses.

- **Body protection:** Solvent-proof clothing.

9 Physical and chemical properties

- **Form:** liquid

- **Colour:** colourless

- **Odour:** mineral oil

- **Melting point / melting range:** < -20 °C

- **Boiling point / boiling range:** ca. 150 - ca. 290 °C

- **Flash point:** > 60 °C

- **Explosion hazard:** The product is not explosive, but explosive mixtures of vapours with air can be formed.


- **Explosion limits:**

- **lower:** 0,6 Vol %

- **upper:** 8,0 Vol %

- **Vapour pressure:** (20 °C) 2 hPa

- **Density:** (20 °C) 0,78 - 0,83 g/cm³

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- **Solubility in / Miscibility with**
- **Water:** Not soluble.
- **Viscosity:**
- **kinematic:** (20 °C) <20 s DIN 53211/4

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**
No decomposition if used appropriately.
- **Hazardous reactions:** Reactions with strong oxidizers.
- **Hazardous decomposition products:** None

11 Toxicological information

- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
LD50(oral,Rat): > 3000 mg/kg
- **Primary irritant effect:**
- **on skin:** enduring or repeated skin contact degrades the skin and causes dermatitis.
- **on eyes:** Irritant effect possible.
- **Sensitization:** no sensitizing effect known.
- **Additional toxicological informations:** Inhalation of concentrated vapours and oral ingestion can lead to narcosis and headache, vertigo, etc.

12 Ecological information


- **Information about elimination (persistence and degradability):**
Not readily biodegradable.
- **Water hazard class:** 2 (VwVwS): hazardous for water.
- **General advices:**
Do not allow product to reach ground water, water course or sewage system.
Danger for drinking water even if small quantities leak into the ground.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste or solvent waste
- **Empty contaminated packaging:**
- **Recommendation:** Empty containers completely. Residues can be an explosion hazard.
Do not damage, cut or weld contaminated containers.

14 Transport informations

- **Land transport according to ADR:**
- **Proper shipping name:** Kerosine
- **Class:** 3

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- **UN-number:** 1223
- **Packing group:** III
- **Classification code:** F1
- **Limited quantities (Table 3.4.6. ADR):** LQ 7
- **Hazard classification number:** 30
- **Special provisions (Chapter 3.3 ADR):** -
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-E, S-E
- **Properties:** Fp=60°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:** GHS08
- **Signal word:** Danger
- **H-Phrases:**
H304 May be fatal if swallowed and enters airways
- **P-Phrases:**
P301 IF SWALLOWED:
P331 Do NOT induce vomiting
- **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.