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

- **Informations to product No. g502**
- **Product name:**

**Oleum Santali**  
Sandelöl, Sandelholzöl  
Sandalwood 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

- **Hazard classification:** The substance is not classified as dangerous according to European Union legislation.

## 3 Composition / information on ingredients

- **Chemical characterization**

**CAS-No. Substance name**

84650-41-9, 84787-70-2 Sandal wood oil

- **EINECS-No.:** 284-111-1, 283-511-3


- **REACH Reg. No.:** 01-2120765150-63-0000

- **INCI-Name:** Pterocarpus Santalinus Extract

- **Description:** Essential oil, prepared from sandalwood (*Santalum album*, Santalaceae) by steam distillation.

## 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.

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## 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:** 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. Good ventilation of working place.
- **Environmental protective measures:** Prevent from entering into drains.

## 7 Handling and storage

- **Handling:** No special requirements.
- **Informations to fire or explosion protection:** Good ventilation of storage and working place.
- **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.
- **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:** aromatic
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** 166 - 178 °C (23,5 hPa), 276 °C (1013 hPa)
- **Flash point:** > 100 °C
- **Density:** (20 °C) 0,974 g/cm<sup>3</sup>

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- **Solubility in / Miscibility with**
- **Water:** not soluble
- **Refractory index:** (20 °C) 1,5030 – 1,5080

## 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:** no irritant effect
- **on eyes:** no irritant effect
- **Sensitization:** no sensitizing effect known

## 12 Ecological information

- **General advices:** Do not allow product to reach ground water, water course or sewage system even in small quantities.
- **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 does not need to be labelled according to GHS-regulations.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 10

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· **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)