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

· **Informations to product No. g406**

· **Product name:**

Bittermandelöl, ätherisch (blausäurefrei, naturident.)

Oleum Amygdalarum amararum naturidentisch

Bitter almond 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:**

H302 Harmful if swallowed

H312 Harmful in contact with skin

· **P-Phrases:**


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

P301 IF SWALLOWED:

P312 Call a POISON CENTER or doctor/physician if you feel unwell

Acute Toxicity oral: Cat. 4

Acute Toxicity dermal: Cat. 4

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3 Composition / information on ingredients

· **Chemical characterization:**

CAS-No. Substance name

100-52-7 Benzaldehyde (> 97,5%)

· **EINECS-No.:** 202-860-4

· **Index-No.:** 605-012-00-5

· **REACH Reg. No.:** 01-2119455540-44-0000

· **INCI-Name:** Benzaldehyde

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.
- **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

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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:** Limonene
- **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:** colourless
- **Odour:** Bitter almonds
- **Melting point / melting range:** - 55,6 °C
- **Boiling point / boiling range:** 179 °C
- **Flash point:** 64 °C DIN 51755
- **Spontaneous ignition:** After absorption in cellulose or paper in few cases spontaneous ignition was observed.
- **Explosion limits:**
- **lower:** 1,4 Vol %
- **upper:** 8,5 Vol %
- **Vapour pressure:** (20 °C) 1,2 hPa
- **Density:** (20 °C) 1,043 - 1,05 g/cm³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 3 g/l
- **pH-range:** (20 °C, 1 g/l) 5,9
- **Refractory index:** (20 °C) 1,543 – 1,548

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Materials to avoid:** Strong oxidizers, Alkali metals, Aluminium, Oxygen (air).
- **Hazardous reactions:** Plastic can be corroded.
- **Hazardous decomposition products:** none

11 Toxicological information

- **Acute toxicity:**
- LD/LD50-data relevant for hazard classification:**
- LD50 (dermal, rat) > 1250 mg/kg

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LD50 (oral, rat) 1300 mg/kg

- **Primary irritating effect:**
- **on skin:** After 24 hours of exposition irritant on rabbit skin.
- **on eyes:** Irritations of mucous membranes.
- **on respiratory organs:** Coughing und Respiratory insufficiency.
- **Sub-acute / chronic toxicity:** After resorption of big quantities: Narcosis.

12 Ecological information

- **Ecotoxic effects:**
- **Behaviour in sewage plants:** Disturbings of the biodegrading activity of activated sludge in biological sewage plants are possible.
- **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:**
- **Substance name d. Gutes:** Environmentally hazardous 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
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-A, S-F
- **Properties:** 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

- **Signal word:** Warning


- **H-Phrases:**

H302 Harmful if swallowed

- **P-Phrases:**

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

P301 IF SWALLOWED:

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P312 Call a POISON CENTER or doctor/physician if you feel unwell

- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 3
- **VbF class:** All

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.