


Page 1 of 5  Print Date 26.11.2018	<b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)  a-Bisabolol (Racemat) mind. 85%	 Revision Date 26.11.2018
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## 1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 7094**

· **Product name:**

**a-Bisabolol (Racemat) mind. 85%**  
a-Bisabolol

· **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:**

H411 Toxic to aquatic life with long lasting effects

· **P-Phrases:**

P273 Avoid release to the environment

**Aquatic Chronic 2**


## 3 Composition / information on ingredients

· **Description:** Monocyclic, unsaturated, tertiary sesquiterpene alcohol

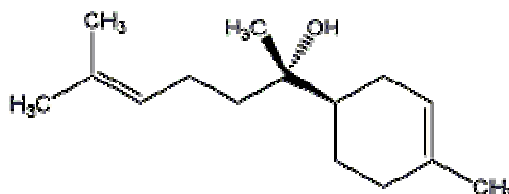
**CAS-No. Substance name**

515-69-5 alpha-Bisabolol Racemat

· **EINECS-No.:** 208-205-9

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- **REACH Reg. No.:** (pre-registered)
- **INCI-Name:** Bisabolol
- **Chemical characterization**



#### 4 First aid measures

- **General advices:** No special measures required.
- **after inhalation:** Not relevant.
- **after skin contact:** Wash away with water and soap. Skin protection. Take off contaminated clothings.
- **after eye contact:** Rinse off with water. If irritation continues seek medical advice.
- **after swallowing:** Rinse mouth, drink plenty of water, 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 contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **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.

#### 7 Handling and storage

- **Handling:** Keep away from open fire.
- **Advice on safe handling:** No special measures required.
- **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 ( below +20°C ). Avoid safely penetration into soil.
- **Advices on common storage:** Not required.

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- **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:** 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-light yellow
- **Odour:** faint, sweet
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** 287 °C
- **Flash point:** 148 °C
- **Explosion limits**
- lower:** 0,8 %(V) (146 °C, 8,0 hPa)
- upper:** 3,8 %(V) (180 °C, 37,5 hPa)
- **Ignition temperature:** ca. 250 °C (DIN 51794)
- **Vapour pressure:** (110 °C) ca. 1,6 hPa; (200 °C) ca. 79,3 hPa
- **Viscosity dynamic:** (20 °C) 133 mPa.s
- **Density:** (20 °C) 0,922 - 0,928 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:**  
LD50(oral, rat): 5000 mg/kg (Directive 84/449/EEC B1).
- **Primary irritating effect:**
- **on skin:** No irritant effect
- **on eyes:** Slight irritant effect
- **Sensitization:** no sensitizing effect known

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## 12 Ecological information

- **Information about elimination (persistence and degradability):** Readily biodegradable.
- **Aquatic toxicity:**  
Fish LC50 (96 h) > 4,6 < 10 mg/l, *Leuciscus idus* (DIN 38412)  
Daphnia EC50 (48 h) 1,3 mg/l, *Daphnia magna* (OECD 202)  
Algae EC50 (72 h) > 1 - 10 mg/l *Pseudokirchneriella subcapitata* (OECD 201)  
Algae EC10 (72 h) > 1 - 10 mg/l *Pseudokirchneriella subcapitata* (OECD 201)  
Bacteria EC10 (16 h) > 10.000 mg/l, *Pseudomonas putida* (DIN 38412)  
Sludge EC20 (180 min) ca. 100 mg/l (OECD 209)
- **log p(O/W):** 4,8
- Bioaccumulation is likely.
- **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 liquid, n.o.s., alpha-Bisabolol
- **Class:** 9
- **UN-number:** 3082
- **Packing group:** III
- **Classification code:** M6
- **Limited quantities (Table 3.4.6. ADR):** 5 L
- **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:** GHS09
- **Signal word:** Warning
- **H-Phrases:**  
H411 Toxic to aquatic life with long lasting effects
- **P-Phrases:**  
P273 Avoid release to the environment

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· **Labelling according to EC-regulations:**

The product is classified and labelled according to EC-regulations (german GefStoffV) .

· **National regulations (Germany):**

- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 10
- **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) and GHS-labelling system.