


<p>Page 1 of 5</p> <p>Print Date 19.11.2018</p>	<p><b>Material Safety Data Sheet</b>  according to Regulation (EC) No.  1907/2006 (REACH)</p> <p>Benzoe Siam in lacrimis</p>	 <p>Revision Date 19.11.2018</p>
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## 1 Identification of the substance/mixture and of the company/undertaking

- **Informations to product No. 19a**
- **Product name:**

### **Benzoe Siam in lacrimis** Siam-Benzoe

- **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  
H319 Causes serious eye irritation  
H412 Harmful to aquatic life with long lasting effects

- **P- Phrases:**

P305 IF IN EYES:  
P351 Rinse continuously with water for several minutes  
P302 IF ON SKIN:  
P352 Wash with soap and water  
P273 Avoid release to the environment

**Skin Irrit. 2**  
**Skin Sens. 1**

<p>Page 2 of 5</p> <p>Print Date 19.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Benzoe Siam in lacrimis</p>	 <p>Revision Date 19.11.2018</p>
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**Eye Irrit. 2**  
**Aquatic Chronic 3**

### 3 Composition / information on ingredients

· **Chemical characterization:** Resin of the Benzoe-tree *Benzoe Siam-Styrax tonkinensis Craib. (Styracaceae)*. Contains essential oils and benzoic acid. Overall acid content determined as benzoic acid: 45-55% (H302-H319).

**CAS-No. Substance name**

9000-05-9 Benzoin resin

· **EINECS-No.:** 232-523-7

· **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.

· **INCI-Name:** Styrax Tonkinensis

### 4 First aid measures

· **after inhalation:** Bring the person out of the contaminated area to fresh air, if feeling unwell continuously, seek medical advice.

· **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.

· **after eye contact:** Rinse out with plenty of water with the eyelid wide open. If irritation continues call ophthalmologist.

· **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.

### 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.


### 7 Handling and storage

· **Handling:**

· **Advice on safe handling:** No special measures required.

· **Informations to fire or explosion protection:** Keep away from open fire. Do not smoke..

· **Storage:** No special measures required.

<p>Page 3 of 5</p> <p>Print Date 19.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Benzoe Siam in lacrimis</p>	 <p>Revision Date 19.11.2018</p>
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- **Requirements for storage areas and containers:** Tightly closed, cool and dry.

## 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:**
- **respiratory protection:** Dust protection mask.
- **Hand protection:** Not required.
- **Eye protection:** Protection glasses.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** yellow - brown
- **Odour:** aromatic
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Density:** Not determined.
- **Solubility in / Miscibility with**
- **Water:** Not soluble.

## 10 Stability and reactivity

- **Materials to avoid:** Strong oxidizers
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** None.

## 11 Toxicological information

### · **Acute toxicity:**

#### **LD/LD50-data relevant for hazard classification:**

65-85-0 Benzoic acid


LC50 (inhal., Rat): >12,2 mg/l/15 min.

Oral: LD50: 1700 mg/kg (rat)

LDLo oral 500 mg/kg man

### · **Primary irritant effect:**

- **on skin:** irritant.
- **on eyes:** irritant effect.
- **auf die Atmungsorgane:** irritations.
- **after swallowing:** irritation of mucous membranes.
- **Sub acute / chronic toxicity:** After consumption of big quantities gastrointestinal disorder.

<p>Page 4 of 5</p> <p>Print Date 19.11.2018</p>	<p><b>Material Safety Data Sheet</b>  according to Regulation (EC) No.  1907/2006 (REACH)</p> <p>Benzoe Siam in lacrimis</p>	 <p>Revision Date 19.11.2018</p>
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## 12 Ecological information

- **Information about elimination (persistence and degradability):**  
For benzoic acid: Easily biodegradable in water. BSB5: 1,65 g/g; ThSB: 1,96 g/g; BSB 47% von ThSB; BWZ (Bacteria): 3,3; BWZ (Fishes): 3,3.
- **Mobility and bioaccumulation potential:** Distribution coefficient n-octanol/water: log P(o/w): 1,87.  
Low bioaccumulation potential.
- **Ecotoxicological effects:**
- Aquatic toxicity:**  
Biological effects: Leuciscus idus LC50: 460 mg/l; Ps.putida ECo: 34 mg/l;  
M.aeruginosa ECo: 55 mg/l; E.sulcatum ECo: 218 mg/l.
- **Water hazard class:** 1 (self classification): 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:**  
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 is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS07
- **H-Phrases:**  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H412 Harmful to aquatic life with long lasting effects
- **P- Phrases:**  
P305 IF IN EYES:  
P351 Rinse continuously with water for several minutes  
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- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 11

<p>Page 5 of 5</p> <p>Print Date 19.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Benzoe Siam in lacrimis</p>	 <p>Revision Date 19.11.2018</p>
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## 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.