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

· **Informations to product No. 2492**

· **Product name:**

### **Papaverinhydrochlorid, API** Papaverini hydrochloridum

· **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:**

H301 Toxic if swallowed

· **P-Phrases:**

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician

**Acute Tox. 3**


## 2 Composition / information on ingredients

**CAS-No. Substance name**

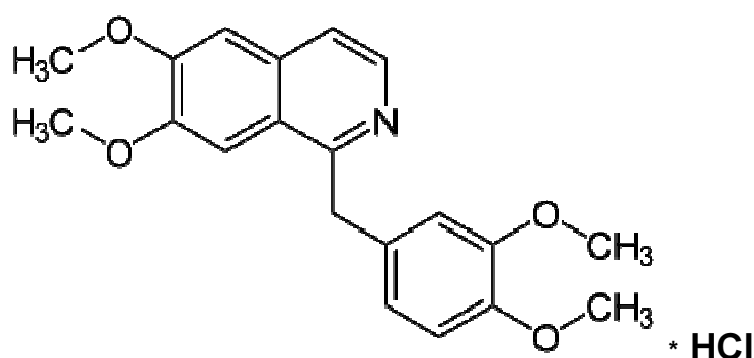
61-25-6 Papaverinhydrochlorid

· **EINECS-No.:** 200-502-

· **Index-No.:** 614-019-00-2

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



#### 4 First aid measures


- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately. Show product-label or this MSDS.
- **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.
- **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 but not flammable. In case of fire dangerous gases / vapours can be released: 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 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.

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## 7 Handling and storage

- **Handling:**
- **Advice on safe handling:** Avoid dust formation.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ). Protect from light.

## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 280 °C
- **Decomposition temperature:** > 280 °C
- **Density:** (20 °C) 1,77 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 760 g/l
- **pH-range:** (50 g/l, 20 °C) 5 - 6

## 10 Stability and reactivity


- **Hazardous decomposition products:** Hydrogen chloride.
- **Additional information:** Light sensitive.

## 11 Toxicological information

- **Acute toxicity:**  
LD50 (oral, rat): 68 mg/kg  
LD50 (oral, mouse): 130 mg/kg
- **Primary irritant effect:**
- **after swallowing:** Illness and Vomiting.
- **Additional toxicological informations:** Therapeutically used substance. Over gastrointestinal tract only little resorbable. After resorption: Fatigue.

## 12 Ecological information

- **Ecotoxical effects:**  
Quantitative ecotoxicological data for this product are not available.

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- **General advices:** Prevent from leaking into ground water, environment waters or drainage
- **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:** GHS06
- **Signal word:** Danger
- **H-Phrases:**  
H301 Toxic if swallowed
- **P-Phrases:**  
P301 IF SWALLOWED:  
P310 Immediately call a POISON CENTER or doctor/physician
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 6.1C

### 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.