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

- **Informations to product No. 6085**
- **Product name:**

### **Atropinsulfat, API** Atropini sulfas

- **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:**

H330 Fatal if inhaled

H302 Harmful if swallowed

- **P-Phrases:**

P264 Wash ... thoroughly after handling

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

P301 IF SWALLOWED:


P310 Immediately call a POISON CENTER or doctor/physician

## 3 Composition / information on ingredients

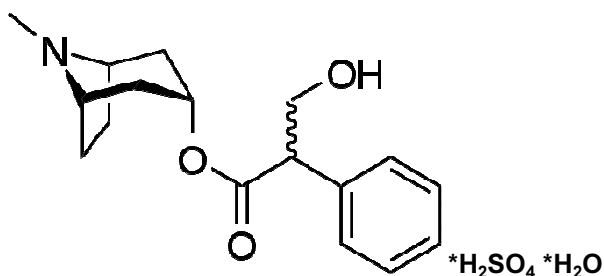
- **Chemical characterization:**

**CAS-No. Substance name**

5908-99-6 Atropinsulfate monohydrate

|                                                 |                                                                                                                               |                                                                                                                     |
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- EINECS-Nr.: 200-235-0
- REACH Reg. No.: (pre-registered)
- INCI-Name: -



#### 4 First aid measures


- **General advices:** Take off contaminated clothes immediately. Remove respiratory protection not before removal of contaminated clothings. Give oxygen if irregular breathing or apnoea is observed.
- **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:** Wash away with water and soap immediately and rinse off. 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 , seek medical advice, even if no immediate symptoms are observed.
- **after swallowing:** Do not induce vomiting, get medical help immediately.
- **Medical advice:** Gastrolavage.
- **The following symptoms might occur:** Mydriasis.

#### 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:** protect from heat and direct sunlight.
- **Informations to fire or explosion protection:** Take measures to prevent electrostatic charging. Dust explosion hazard class ST 3.
- **Storage:**
- **Requirements for storage areas and containers:** Keep container tightly closed. Protect from light. Accessible only for professional persons.

## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**  
Keep away from food, beverages and animal food.  
Take off contaminated clothes immediately.  
Wash hands before breaks and after work.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties


- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 185 - 195 °C
- **Flash point:** not determined
- **Decomposition temperature:** >150 °C
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 2000 g/l
- **pH-value:** (20 g/l, 20 °C) 4,5 – 6,2

## 10 Stability and reactivity

- **Hazardous decomposition products:**  
At high temperatures irritant or harmful vapours are released.

## 11 Toxicological information

- **Acute toxicity:**  
**LD/LD50-data relevant for hazard classification:**  
51-55-8 Atropin  
Oral: LD50: 500 mg/kg (rat)  
73791-47-6 Atropinsulfat monohydrat  
Oral: LD50: 600 mg/kg (rat)
- **Primary irritant effect:**

|                                                 |                                                                                                                               |                                                                                                                     |
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- **on skin:** no irritant effect.
- **on eyes:** no irritant effect.

## 12 Ecological information

- **Aquatic toxicity:** Fish LC50/96h: 460 mg/l
- **General advices:** Prevent from leaking into ground water, environment waters or drainage, even not in small quantities. Danger for drinking water even if smallest quantities are penetrating into soil.
- **Water hazard class:** 3 (VwVwS): very 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:** Toxic solids, organic, n.o.s., Atropinsulfat
- **Class:** 6.1
- **UN-number:** 2811
- **Packing group:** II
- **Classification code:** T2
- **Limited quantities (Table 3.4.6. ADR):** 1 kg
- **Hazard classification number:** 60
- **Special provisions (Chapter 3.3 ADR):** -
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-A, S-A
- **Properties:** -

## 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:**  
H330 Fatal if inhaled  
H302 Harmful if swallowed
- **P-Phrases:**  
P264 Wash thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P301 IF SWALLOWED:  
P310 Immediately call a POISON CENTER or doctor/physician
- **National regulations (Germany):**

|                                                 |                                                                                                                               |                                                                                                                     |
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- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 6.1A

## 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.