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

· **Informations to product No. 6610**

· **Product name:**

Scopolaminhydrobromid, API
Scopolamini hydrobromidum, Hyoscinii hydrobromidum

· **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:**

H300 Fatal if swallowed

H310 Fatal in contact with skin

H330 Fatal if inhaled

· **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

Acute Tox. 2 (oral)

Acute Tox. 1 (dermal)

Acute Tox. 1 (inhal.)

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3 Composition / information on ingredients

• **Chemical characterization:**

CAS-No. Substance name

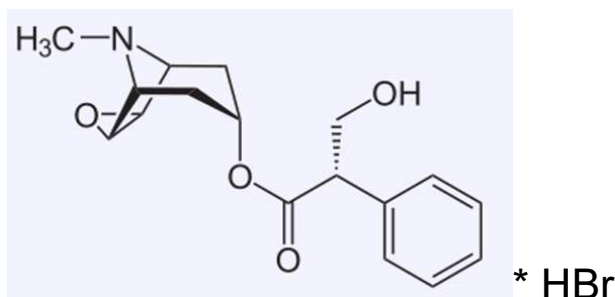
114-49-8 Scopolaminhydrobromide - Trihydrate

• **EINECS-No.:** 204-050-6

• **Index-No.:** 614-015-00-0

• **REACH Reg. No.:** 01-2119960255-37-0000

• **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.

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.

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- **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:** Ensure good ventilation/exhaustion at the workplace. Handling corresponding to laboratory safety guidelines. Handle and open containers cautiously.
- **Informations to fire or explosion protection:** Dust explosion hazard class ST 1 (low).
- **Storage:**
Tightly closed. Store at a cool and dry place. Store only in original containers.
Accessible only for professional persons.
- **Advices on common storage:** Store separated from foods.
- **Additional informations to storage conditions:** Keep container tightly closed.

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.
Avoid contact with eyes and skin.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid, powder
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 188 - 193 °C
- **Flammability (solid, vapours):** The product is not flammable.
- **Bulk density:** ca. 500 kg/m³
- **Solubility in / Miscibility with**
- **Water:** readily soluble
- **Ethanol:** (25 °C) 50 g/l
- **pH-range:** (50 g/l, 25 °C) ca. 5

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous decomposition products:** Hydrogen bromide, nitrogen oxides.

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11 Toxicological information

- **Acute toxicity:**

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

114-49-8 Scopolaminhydrobromid

Oral: LD50: 1270 mg/kg (Ratte)

Dermal: ATE 5 mg/kg

Inhal. Vapour: ATE 0,5 mg/l

Inhal. Aerosol: ATE 0,05 mg/l

- **Primary irritant effect:**

- **on skin:** no irritant effect, but danger of skin resorption.

12 Ecological information

- **Water hazard class:** 3 (VwVwS): very hazardous for water.

- **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.

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. (Scopolaminhydrobromid)

- **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:**

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P301 IF SWALLOWED:

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• **National regulations (Germany):**

• **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.