



Trade name: Pilocarpini hydrochloridum

Substance number: 067250

Version: 1 / CH

Date revised: 13.04.12

Replaces Version: - / CH

Date of printing: 13.04.12

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

1.1. Product identifier

Pilocarpini hydrochloridum

Item-No. 06725000

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Active pharmaceutical substance

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 2 H300

Acute Tox. 2 H330

Classification in accordance with EC directives

Classification T+, R26/28

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H300 Fatal if swallowed.

H330 Fatal if inhaled.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P284 Wear respiratory protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P310 Immediately call a POISON CENTER or doctor/physician.



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P320 Specific treatment is urgent (see ... on this label).
 P405 Store locked up.
 P501.3 Disposal in compliance with local and national regulations.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Very toxic

R phrases

26/28 Very toxic by inhalation and if swallowed.

S phrases

25 Avoid contact with eyes.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous component(s) to be indicated on label

contains pilocarpine hydrochloride

3. Composition/information on ingredients**Hazardous ingredients****pilocarpine hydrochloride**

CAS No.	54-71-7			
EINECS no.	200-212-5			
Concentration		>=	50	%
Classification	T+, R26/28			

Classification (Regulation (EC) No. 1272/2008)

H300
H330**4. First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely. Irregular breathing/no breathing: artificial respiration.

After inhalation

Ensure supply of fresh air. If necessary, give oxygen. Summon a doctor immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical aid immediately.

After ingestion



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Do not induce vomiting. Summon a doctor immediately.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Nitrous gases (NO_x); Carbon monoxide (CO); Carbon dioxide (CO₂); Hydrogen chloride (HCl)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. In case of combustion use a suitable breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal". Provide adequate ventilation.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Open and handle container with care. Isolate from sources of heat, sparks and open flame.

Advice on protection against fire and explosion

The product is not combustible. Keep away from combustible materials. Hold breathing apparatus.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container.

Hints on storage assembly

Do not store with oxidizing agents. Do not store together with animal feedstocks. Do not store together with foodstuffs. Do not store with combustible materials.

Further information on storage conditions

Keep container tightly closed. Product is hygroscopic.

8. Exposure controls/personal protection

8.2. Exposure controls



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Exposure controls

See chapter 7. No measures exceeding the ones mentioned are necessary.

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Store work clothing separately.

Respiratory protection

Short term: filter apparatus; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	crystalline		
Colour	white		
Odour	odourless		
pH			
Value	3.5		
Temperature	20	°C	
Melting point			
Value	202	to	205 °C
Boiling point			
Remarks	Not determined		
Flash point			
Remarks	Not applicable		
Flammability			
Flammable.			
Density			
Remarks	Not determined		
Solubility in water			
Value	3300		g/l
Temperature	20	°C	
Thermal decomposition			
Value	> 200		°C
Viscosity			
dynamic			

9.2. Other information**Bulk density**Value 400 to 550 kg/m³



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Other information

The product is not dangerous for explosions.

10. Stability and reactivity**10.4. Conditions to avoid**

No decomposition if stored and applied as directed.

Thermal decomposition

Value > 200 °C

10.5. Incompatible materials

Reactions with strong oxidising agents.

10.6. Hazardous decomposition products

Hydrogen chloride (HCl), Carbon monoxide and carbon dioxide, nitrous oxides (NOx)

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Species	mouse		
LD50	200		mg/kg
Source	RTECS		

Skin corrosion/irritation

Remarks	Irritating to skin.
Remarks	Irritates the mucous membrane.

Serious eye damage/irritation

valuation	irritant
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Sensitization

Remarks	No sensitisation effect known.
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12. Ecological information**12.1. Toxicity****Fish toxicity**

Remarks	No data available.
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12.2. Persistence and degradability**Biodegradability**

Remarks	No data available.
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12.6. Other adverse effects**General information / ecology**

Product is highly hazardous to water. Do not allow it to reach soil, ground water, water bodies or sewage system. Hazard for drinking water supplies.

13. Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code	No not dispose with rubbish.
EWC waste code	Should not be released into the sanitary sewer system.



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Disposal in compliance with local and national regulations.

EWC waste code	07	Wastes from organic chemical processes
EWC waste code	07 05	wastes from the MFSU of pharmaceuticals
EWC waste code	07 05 08*	other still bottoms and reaction residues

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

14. Transport information**Land transport ADR/RID****14.1. UN number**

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

14.3. Transport hazard class(es)

Class 6.1

Label 6.1

14.4. Packing group

Packing group II

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

14.3. Transport hazard class(es)

Class 6.1

14.4. Packing group

Packing group II

Air transport ICAO/IATA**14.1. UN number**

UN 1544

14.2. UN proper shipping name

ALKALOIDS, SOLID, N.O.S

14.3. Transport hazard class(es)

Class 6.1

14.4. Packing group

Packing group II

15. Regulatory information**16. Other information****R-phrases listed in chapter 3**

26/28 Very toxic by inhalation and if swallowed.

Hazard statements listed in chapter 3

H300 Fatal if swallowed.

H330 Fatal if inhaled.

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.