

Trade name: Papaverini hydrochloridum

Substance number: 066888

Version: 2 / CH

Date revised: 11.05.2016

Replaces Version: 1 / CH

Print date: 11.05.16

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

1.1. Product identifier

Papaverini hydrochloridum

Item No. 06688800

Substance / product identification

CAS-No. 61-25-6

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 person responsible for this SDS

sdb@haenseler.ch

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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Acute Tox. 4 H302

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

Precautionary statements

P264.1 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

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P330

Rinse mouth.

P501.3

Disposal in compliance with local and national regulations.

SECTION 3: Composition/information on ingredients

Chemical characterization

Papaverini hydrochloridum

Hazardous ingredients (Regulation (EC) No. 1272/2008)

CAS No. 61-25-6

EINECS no. 200-502-2

Concentration \geq 54 %Classification (Regulation (EC) No. 1272/2008)
Acute Tox. 4 H302

Other information

Complete text of R-phrases in Chapter 16 Complete text of hazard statements in chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off contaminated clothing and shoes immediately. Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

After inhalation

Ensure supply of fresh air. Summon a doctor immediately.

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. By continuous complaints consult a physician.

After ingestion

Take medical treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Full water 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: Carbon dioxide (CO₂); Carbon monoxide (CO); Nitrous gases (NO_x); Hydrogen chloride (HCl)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid dust formation.

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6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Keep container tightly closed. Avoid dust formation. Keep away from heat and sources of ignition.

Advice on protection against fire and explosion

The product is combustible.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value 15 - 25 °C

Requirements for storage rooms and vessels

Keep container tightly closed and dry. Keep only in the original container.

Hints on storage assembly

Do not store with oxidizing agents.

Further information on storage conditions

Keep container tightly closed, cool and dry. Protect from direct sunlight. Protect from light.

7.3. Specific end use(s)

Active pharmaceutical substance

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Wash hands and face before breaks and after work. Take off immediately all contaminated clothing. Do not inhale gases/vapours/aerosols. Observe the usual precautions for handling chemicals.

Respiratory protection

Dust mask; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Protective gloves

Appropriate Material

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.

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Chemical resistant gloves

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Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

Environmental exposure controls

Do not allow to enter drains or water courses.

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

Form	Crystalline powder		
Colour	white		
Odour	odourless		
pH value			
Value	5		
Concentration/H ₂ O	10	g/l	
Temperature	20	°C	
Melting point			
Value	226		°C
Initial boiling point and boiling range			
Remarks	not determined		
Flash point			
Remarks	Not applicable		
Upper/lower flammability or explosive limits			
Remarks	not determined		
Vapour pressure			
Remarks	Not applicable		
Density			
Value	1.77		g/cm ³
Temperature	20	°C	
Solubility in water			
Remarks	slightly soluble		
Ignition temperature			
Value	> 226		°C
Remarks	Oxidizing		
Viscosity			
Remarks	Not applicable		

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

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Avoid contact with oxidizing substances.

10.6. Hazardous decomposition products

Nitrous gases, Hydrogen chloride (HCl), Carbon monoxide, Carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity****Papaverini hydrochloridum**

ATE	162	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

Species	rat	
LD50	325	mg/kg
Species	mouse	
LD50	162	mg/kg

Skin corrosion/irritation**Papaverini hydrochloridum**

Remarks No effect of irritation known.

Papaverini hydrochloridum

Remarks Irritating effects on the skin and mucous membrane.

Serious eye damage/irritation**Papaverini hydrochloridum**

Remarks No effect of irritation known

Sensitization**Papaverini hydrochloridum**

Remarks No sensitisation effect known.

Mutagenicity (Components)

Species	mammal, species unspecified
evaluation	Information on genotoxicity in vivo available.

Reproduction toxicity (Components)

Species	mammal, species unspecified
evaluation	On grounds of results of experiments on test animals, a probable risk of damage to the embryo must be assumed.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity****Papaverini hydrochloridum**

Remarks No data available.

Daphnia toxicity**Papaverini hydrochloridum**

Remarks No data available.

12.2. Persistence and degradability**General information**

For this subsection there is no ecotoxicological data available on the product as such.

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12.3. Bioaccumulative potential

General information

For this subsection there is no ecotoxicological data available on the product as such.

12.4. Mobility in soil

General information

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

General information

There is no data available on the product apart from the information given in this subsection.

12.6. Other adverse effects

General information

For this subsection there is no ecotoxicological data available on the product as such.

General information / ecology

Product is hazardous to water. Do not allow it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code

No not dispose with rubbish.

Disposal in compliance with local and national regulations.

EWC waste code

Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (Germany)

Water Hazard Class

WGK 3

(Germany)

Remarks

Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

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Hazard statements listed in Chapter 3

H302 Harmful if swallowed.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4

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.