



Trade name: Chinini hydrochloridum

Substance number: 062600

Version: 2 / CH

Date revised: 13.01.12

Replaces Version: - / CH

Date of printing: 10.08.12

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

### 1.1. Product identifier

Chinini hydrochloridum

Item-No. 06260000

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

#### Use of the substance/preparation

Manufacture of pharmaceutical products, Chemical for synthesis, Chemical, food additive

### 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. 4 H302

Skin Sens. 1 H317

#### Classification in accordance with EC directives

Classification Xn, R20/22

Xi, R43

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal Word

Warning

#### Hazard statements

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

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



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P301+P312  
P302+P352  
P333+P313IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.**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**

Harmful



Irritant

**R phrases**20 Harmful by inhalation.  
22 Harmful if swallowed.  
43 May cause sensitization by skin contact.**S phrases**7 Keep container tightly closed.  
24 Avoid contact with skin.  
36 Wear suitable protective clothing.  
37 Wear suitable gloves.**Hazardous component(s) to be indicated on label**

contains \*\*\* Quinine hydrochloride dihydrate

**3. Composition/information on ingredients \*\*\*****Substance / product identification**

CAS-Nr. 6119-47-7

**Hazardous ingredients \*\*\*****Quinine hydrochloride dihydrate**

CAS No. 6119-47-7

Concentration &gt;= 50 %

Classification Xn, R20/22  
Xi, R43

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

Acute Tox. 4 H302

Skin Sens. 1 H317

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

Take off contaminated clothing and shoes immediately.

**After inhalation**

Ensure supply of fresh air. Summon a doctor immediately.

**After skin contact**

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

**After eye contact**



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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**

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

**5. Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water, Carbon dioxide, Foam, Dry powder

**5.2. Special hazards arising from the substance or mixture**

In the event of fire the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Nitrogen oxides (NO<sub>x</sub>); Hydrochloric acid

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**Other information**

Do not discharge into surface waters/groundwater.

**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Wear protective equipment

**6.2. Environmental precautions**

Do not allow to enter drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Avoid raising dust.

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

Avoid dust formation. Avoid contact with skin, eyes and clothing. Wear protective equipment. Provide good ventilation of working area (local exhaust ventilation if necessary).

**Advice on protection against fire and explosion**

Dust can form an explosive mixture with air. Keep away from sources of ignition. Take precautionary measures against static charges.

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

Value 15 - 30 °C

**Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place.

**VCI storage category**

VCI storage category 11 Combustible solids

**Further information on storage conditions**

Protect from light. Protect from atmospheric moisture and water.



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## **8. Exposure controls/personal protection**

### **8.2. Exposure controls**

#### **Exposure controls**

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

#### **General protective and hygiene measures**

Wash contaminated clothing before reuse. Preventative skin protection. Take a shower after work finish.  
Wash hands before breaks and after work.

#### **Respiratory protection**

necessary; Dust mask

#### **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.

In case of intensive contact wear protective gloves.

Appropriate Material	nitrile rubber - NBR
Appropriate Material	Butyl rubber - Butyl
Appropriate Material	Polychloroprene
Appropriate Material	Fluoro carbon rubber - FKM

#### **Eye protection**

Safety glasses with side protection shield; Tightly fitting safety glasses

#### **Body protection**

Protective clothing

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Form</b>	Crystalline powder		
<b>Colour</b>	almost white		
<b>Odour</b>	odourless		
<b>pH</b>			
Value	6.0	to	6.8
Concentration/H <sub>2</sub> O	1	g/l	
<b>Melting point</b>			
Value	123		°C
<b>Boiling point</b>			
Remarks	No data available		
<b>Flash point</b>			
Remarks	No data available		
<b>Explosion limits</b>			
Lower explosion limit	< 30		ml/m <sup>3</sup>
<b>Vapour pressure</b>			
Remarks	No data available		
<b>Density</b>			
Remarks	No data available		
<b>Solubility in water</b>			
Value	62.5		g/l



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Temperature 25 °C

**Solubility in other solvents**

Ethanol

Value 1 %

Temperature 25 °C

**Ignition temperature**

Value 400 °C

**9.2. Other information****Bulk density**Value 310 kg/m<sup>3</sup>**10. Stability and reactivity****10.4. Conditions to avoid**

At increase of temperature the stability decrease and the product will be degraded.

**10.5. Incompatible materials**

Oxidising agents

**10.6. Hazardous decomposition products**In the event of fire the following can be released: Carbon monoxide and carbon dioxide, nitrous oxides (NO<sub>x</sub>)**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**Species rat  
LD50 620 mg/kgSpecies mouse  
LD50 1160 mg/kg**Subacute, subchronic, chronic toxicity**

Subacute toxicity

Chronic toxicity

**Mutagenicity**

Remarks no toxicity

**Carcinogenicity**

Remarks no toxicity

**Experience in practice**

headache. disorders of the central nervous system. diarrhea. May cause nausea/ vomiting/ asthma. May cause sensitization by inhalation and skin contact.

**Other information**After swallowing: feeling of sickness, vomiting, coma.  
Observe the usual precautions for handling chemicals.**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.

## 12.6. Other adverse effects

### General information / ecology

Ecological data are not available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Disposal in compliance with local and national regulations.

#### Disposal recommendations for packaging

EWC waste code 15 01 10\* packaging containing residues of or contaminated by dangerous substances

Disposal in compliance with local and national regulations.

## 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.

## 15. Regulatory information

## 16. Other information

### R-phrases listed in chapter 3

20/22 Harmful by inhalation and if swallowed.  
43 May cause sensitization by skin contact.

### Hazard statements listed in chapter 3

H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.

### 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.