



Trade name: Pilocarpini nitras

Substance number: 067256

Version: 2 / CH

Date revised: 14.08.12

Replaces Version: - / CH

Date of printing: 14.08.12

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

1.1. Product identifier

Pilocarpini nitras

Item-No.

06725600

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. 1 H330

Acute Tox. 2 H300

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H330 Fatal if inhaled.

H300 Fatal if swallowed.

Precautionary statements

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

P284 Wear respiratory protection.

P310 Immediately call a POISON CENTER or doctor/physician.

P320 Specific treatment is urgent (see ... on this label).

P405 Store locked up.

P501.1 Dispose of contents/container to be taken to an authorised special waste incineration plant.

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

Hazard symbols



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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).

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

CAS No.	148-72-1
EINECS no.	205-723-7
Classification	T+, R26/28

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

Acute Tox. 1	H330
Acute Tox. 4	H302

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. Summon a doctor immediately. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash immediately with plenty of water for several minutes.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. 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.

Non Suitable extinguishing media

Full water jet



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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)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. Use self-contained 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

Keep away sources of ignition. Avoid dust formation. Wear protective equipment. Keep away unprotected persons.

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. Ensure adequate ventilation. Suitable industrial vacuum cleaners or central exhaust ventilation equipment must be used for taking up dust (with a suitable filter to prevent particles blowing back into the atmosphere e.g. Type H(BS5415)).

6.4. Reference to other sections

Information regarding Safe handling, see chapter 7. Information regarding personal protective measures see, chapter 8. Information regarding Waste Disposal, see chapter 13.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust. Provide good ventilation of working area (local exhaust ventilation if necessary). Open and handle container with care.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. Take precautionary measures against static charges. Take precautionary measures against static charges. Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Do not store together with foodstuffs.

VCI storage category

VCI storage category 6.1A Combustible toxic substances

Further information on storage conditions

Keep under lock and key or accessible only to specialists or people who are authorized. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light. Protect from heat and direct sunlight.

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

Do not inhale dust/fumes/mist. Avoid contact with eyes and skin. 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

Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, Filter P3

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.

Appropriate Material	Butyl rubber - Butyl
Material thickness	>= 0.7 mm

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry.

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

Form	Powder			
Colour	white			
Odour	slight, product specific			
pH				
Value	4			
Temperature	20	°C		
Melting point				
Value	171.0	to	176.0	°C
Boiling point				
Remarks	Not determined			
Flash point				
Remarks	Not applicable			
Flammability	Not ignitable			
Vapour pressure				
Remarks	Not applicable			
Density				
Remarks	Not determined			
Solubility in water				
Value	250			g/l
Temperature	20	°C		

9.2. Other information**Bulk density**

Value	appr.	to	460	kg/m ³
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Other information



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The product is not dangerous for explosions.

10. Stability and reactivity

10.4. Conditions to avoid

No decomposition if stored and applied as directed. Protect from light.

10.5. Incompatible materials

Formation of explosive gas/air mixtures. Strong oxidising agents, Alkalies

10.6. Hazardous decomposition products

Nitrous gases

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50		911	mg/kg

Skin corrosion/irritation

Remarks	None
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Serious eye damage/irritation

Remarks	None
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Sensitization

Remarks	No sensitisation effect known.
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12. Ecological information

12.2. Persistence and degradability

Biodegradability

Remarks	Not readily biodegradable.
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12.6. Other adverse effects

General information / ecology

Product is highly hazardous to water. Do not allow it to reach 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 07 05 13* solid wastes containing dangerous substances
Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 1544

14.2. UN proper shipping name



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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

14.5. Environmental hazards

no

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

H302 Harmful 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.