

Trade name

Substance number: 841535

Version: 1 / CH

Date revised: 20.05.2019

Replaces Version: - / CH

Print date: 20.05.19

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Item No. 84153502

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/Manufacturer**

Hänseler AG
Industriestrasse 35
9100 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

SECTION 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

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**

Danger

Hazard statements

H300+H330 Fatal if swallowed or if inhaled.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P284 [In case of inadequate ventilation] wear respiratory protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P310 Immediately call a POISON CENTER or doctor.

P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Atropinsulfate Monohydrate

Supplemental information**Other information**

Not for supply to the general public in Switzerland

SECTION 3: Composition/information on ingredients**Molecular weight**

Value 694.86

Hazardous ingredients**Atropinsulfate Monohydrate**

CAS No. 5908-99-6

EINECS no. 200-235-0

Concentration \geq 100 %

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

Acute Tox. 2 H300

Acute Tox. 2 H330

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

Remove affected person from danger area. Do not leave casualty unattended. Take medical treatment. Adhere to personal protective measures when giving first aid. Remove contaminated 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

After contact with skin, wash immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Shield unaffected eye.

After ingestion

Do not induce vomiting. Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

Dilation of pupils, Convulsions, Fever, Unconsciousness

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Keep under medical supervision for at least 48 hours.

Hints for the physician / hazards

Danger of reduced reaction capability (sedativum)

SECTION 5: Firefighting measures

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5.1. Extinguishing media**Suitable extinguishing media**

Extinguishing measures to suit surroundings, Water, Dry chemical extinguisher, Foam, Carbon dioxide

5.2. Special hazards arising from the substance or mixtureIn the event of fire the following can be released: Nitrous gases (NO_x); Carbon monoxide (CO); Carbon dioxide (CO₂); Sulfuroxides (SO_x)**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.

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

Keep away unprotected persons. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For tall amounts: Take up mechanically and collect in suitable container for disposal. Avoid raising dust. Cleaning operations should be carried out only with breathing apparatus.

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

Handle and open container with care. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Keep away from sources of ignition. Take action to prevent static discharges.

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

Value	15	25	°C
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Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place.

Hints on storage assembly

Do not store together with foodstuffs. Do not store together with animal feedstocks.

Storage classes

Storage class according to TRGS 510	6.1B	Non-combustible substances of acute toxicity, categories 1 and 2 / very toxic hazardous substances
Storage category (Switzerland)	6.1	Toxic substances

Further information on storage conditions

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

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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

General industrial hygiene practice. Wash hands and face before breaks and after work. Store work clothing separately. Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes. Remove contaminated, soaked clothing immediately and dispose of safely. Do not inhale dust/fumes/mist.

Respiratory protection

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

Hand protection

Chemical resistant gloves

Appropriate Material	Butyl rubber - Butyl
Material thickness	0.7 mm
Breakthrough time	min

Eye protection

Tightly fitting safety glasses

Body protection

impermeable protective overalls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form Solid substance

Colour white

Odour odourless

pH value

Value	4.5	to	6
Concentration/H ₂ O	20	g/l	
Temperature	20	°C	

Melting point

Value	185	to	195	°C
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Flash point

Value	°C
Remarks	Not applicable

Flammability (solid, gas)

No data available

Vapour pressure

Remarks	Not applicable
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Solubility in water

Value	2000		g/l
Temperature	20	°C	

Ignition temperature

Remarks	No data available
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Decomposition temperature

Value	> 150	°C
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Viscosity

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Remarks

No data available

9.2. Other information**Bulk density**

Value

350

kg/m³**SECTION 10: Stability and reactivity****10.1. Reactivity**

None known

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

Protect from light. Keep away from sources of heat and ignition.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition productsCarbon monoxide and carbon dioxide, nitrous oxides (NO_x), sulphurous oxides (SO_x)**Other information**

Danger of dust explosion

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

ATE

5

mg/kg

Method

calculated value (Regulation (EC) No. 1272/2008)

Acute inhalational toxicity

ATE

0.05

mg/l

Administration/Form

Dust/Mist

Method

calculated value (Regulation (EC) No. 1272/2008)

Mutagenicity

evaluation

No mutagenicity in the Ames-test.

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

Species

golden orfe (*Leuciscus idus*)

LC50

460

mg/l

Duration of exposure

96

h

Method

OECD 203

Fish toxicity (Components)**Atropinsulfate Monohydrate**

Species

golden orfe (*Leuciscus idus*)

LC50

460

mg/l

Duration of exposure

96

h

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Method

OECD 203

12.2. Persistence and degradability**General information**

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

12.3. Bioaccumulative potential**General information**

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

12.4. Mobility in soil**General information**

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

12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential (Components)****Atropinsulfate Monohydrate**

The product contains no PBT or vPvB substances.

12.6. Other adverse effects**General information**

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

SECTION 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

Dispose of as unused product.

SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	1544	1544	1544
14.2. UN proper shipping name	ALKALOIDS, SOLID, N.O.S. (Atropinsulfate Monohydrate)	ALKALOIDS, SOLID, N.O.S. (Atropinsulfate Monohydrate)	ALKALOIDS, SOLID, N.O.S. (Atropinsulfate Monohydrate)
14.3. Transport hazard class(es)	6.1	6.1	6.1
Label			
14.4. Packing group	II	II	II
Limited Quantity	500 g		
Transport category	2		

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 Derivation of WGK according to Annex 1 No. 5.2 AwSV

Other regulations, restrictions and prohibition regulations

Observe employment restrictions for young people.

Observe employment restrictions for child bearing mothers and nursing mothers.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H300 Fatal if swallowed.
H330 Fatal if inhaled.

CLP categories listed in Chapter 3

Acute Tox. 2 Acute toxicity, Category 2

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.