

Trade name: Atropini sulfas

Substance number: 841535

Version: 2 / CH

Date revised: 12.12.2023

Replaces Version: 1 / CH

Print date: 12.12.23

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

1.1. Product identifier

Atropini sulfas

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

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P310 comfortable for breathing.
 P501.3 Immediately call a POISON CENTER or doctor.
 Disposal in compliance with local and national regulations.

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

contains *** (8-methyl-8-azabicyclo[3,2,1]octan-3-yl)3-hydroxy-2-phenylpropanoate;sulfuric acid;hydrate

Supplemental information**Other information**

Not for supply to the general public in Switzerland

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

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

Value 694.86

Hazardous ingredients *****(8-methyl-8-azabicyclo[3,2,1]octan-3-yl)3-hydroxy-2-phenylpropanoate;sulfuric acid;hydrate**

CAS No. 5908-99-6

EINECS no. 611-792-8

Concentration >= 100 %

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

Acute Tox. 2 H300

Acute Tox. 2 H330

cATpE oral 5 mg/kg

cATpE inhalative, Dust/Mist 0.05 mg/l

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

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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

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 mixture

In 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 2 8 °C

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.

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Storage classes

Storage class according to TRGS 510	6.1C	Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects
Storage category (Switzerland)	6.1	Toxic substances

Further information on storage conditions

Protect from light. Keep in a cool place

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**

Physical state	Solid substance
Colour	white
Odour	odourless
Physical state	Powder
Melting point	
Value	185 to 195 °C
Flammability	
Not ignitable	
Flash point	
Value	°C
Remarks	Not applicable
Ignition temperature	
Remarks	No data available
Decomposition temperature ***	
Remarks	not determined
pH value ***	

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Remarks Not applicable

Viscosity

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks Not applicable

Density and/or relative density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Solubility in water

Value	0.1	to	1	g/l
Temperature	20	°C		

Bulk density

Remarks not determined

Other information

The product is not dangerous for explosions.

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 hazard classes as defined in Regulation (EC) No 1272/2008****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	

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

Mutagenicity

evaluation No mutagenicity in the Ames-test.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

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

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	460	mg/l
Duration of exposure	96	h
Method	OECD 203	

Fish toxicity (Components)**Atropinsulfate Monohydrate**

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	460	mg/l
Duration of exposure	96	h
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.

Partition coefficient n-octanol/water (log value)

Remarks not determined

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**Results of PBT and vPvB assessment**

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

Results of PBT and vPvB assessment (Ingredients)**Atropinsulfate Monohydrate**

The product contains no PBT or vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information**

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

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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

	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 (Germany) WGK 1

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.

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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.