

Section 1: Identification

Common Name/Trade Name	Atropine Sulfate Monohydrate	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Atropine Sulfate Monohydrate, (+-)-Tropyltropate sulphate Monohydrate	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity oral: cat. 1, Acute toxicity inhalation: cat 2	
Signal Word	Danger	
Hazard Statement(s)	H300 Fatal if swallowed H330 Fatal if inhaled	
Pictogram(s)		
Precautionary Statement(s)	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P284 Wear respiratory protection. P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor/physician. P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. P330 Rinse mouth. P403+P233 Store in a well ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.	
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	alpha-(hydroxylmethyl)-8-methyl-8-azabicyclo(3.2.1)oct-3-yl-ester
Common Name	Atropine Sulfate Monohydrate
CAS Number	5908-99-6
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Remove from exposure, lie down. Immediately remove contaminated clothing. If danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial respiration if necessary. First aid personnel should pay attention to their own safety.
If Inhaled	Move to fresh air in case of accidental inhalation. Assure fresh air breathing. Call a physician immediately.
In Case of Skin Contact	Wash off immediately with plenty of soap and water. Cover wound with sterile dressing. Call a physician immediately.
In Case of Eye Contact	Rinse with water while holding the eyes wide open. Contact lenses should be removed. Obtain medical attention if pain, blinking or redness persists.
If Swallowed	Rinse mouth out with water. Drink plenty of water. Call a physician immediately.
Most Important Symptoms and Effects	Dilation of the pupil, convulsions, fever, central nervous system depression. In all cases of doubt, or when symptoms persist, seek medical attention.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use extinguishing media appropriate for the surrounding fire. Water spray, carbone dioxide, dry powder, foam.
Special Hazards Arising From the Substance/Mixture	In case of fire and/or explosion do not breathe fumes. Can be released in case of fire: carbon oxides, sulphur oxides, nitrogen oxides (NOx).
Special PPE and/or Precautions for Firefighters	Self-contained breathing apparatus (EN133) complete suit protecting against chemicals. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Avoid generating dust. Fined dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Avoid raising dust. Avoid any direct contact with the product. Wear personal protective equipment. Refer to protective measures listed in sections 7 and 8. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
Methods and Materials Used for Containment	Do not flush into surface water or sanitary sewer system.
Cleanup Procedures	Cleaning operations should be carried out only while wearing breathing apparatus. Avoid dispersal of dust in the air (i.e. Clearing dust surfaces with compressed air). If appropriate moisten first to prevent dusting. For large amounts: Dampen, pick up mechanically and dispose of. For residues: Use approved industrial vacuum cleaner for removal. Pack in tightly closed containers for disposal. Dispose according to local legislation. Knock down dust with water spray jet.

Section 7: Handling and Storage

Precautions for Safe Handling	Provide sufficient air exchange and/or exhaust in work rooms. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Keep container closed when not in use.
Conditions for Safe Storage	Protect from heat, direct sunlight and sources of ignition. Keep locked up in an area accessible only to qualified or authorised persons. Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Recommended storage temperature: ambient. Protect from light.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Not available
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. Avoid contact with skin, eyes and clothing.
PPE - Eye/Face Protection	Safety glasses with side shields (frame goggles) (EN 166)
PPE - Skin Protection	Wear suitable protective clothing.
PPE - Body Protection	Wear suitable protective clothing. Hand protection: Chemical resistant PVC gloves.
PPE - Respiratory Protection	Protecting mask (EN136) particle filter P3 (EN143)

Section 9: Physical and Chemical Properties

Appearance	White, crystalline powder
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	5,0 at 20,0g/l
Relative Density	No data available
Melting Point/Freezing Point	>187°C
Solubility	Soluble in alcohol and water.
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Stable under normal conditions.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	Dust can form explosive mixture with air.
Conditions to Avoid	Avoid daylight. Avoid heat.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	When heated to decomposition, emits dangerous fumes.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 (oral, rat): 600 mg/kg
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	May cause sensitisation of susceptible persons.
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available
Carcinogenicity OSHA	No data available
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Toxicity to fish: LC50 = 460 mg/l Exposition time: 96h
Persistence and Degradability	Log Pow: 1,83 at 20°C
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	1544
UN Proper Shipping Name	ALKALOID SALTS, SOLID, N.O.S.
Transport Hazard Class(es)	6.1
Packaging Group	II
Environmental Hazards	No data available

Section 15: Regulatory Information

Current EC-Regulation and the national regulations (Germany)
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Section 16: Other Information

Additional Information	N/A
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