

Section 1. Product and Company Identification

Product Name Atropine
CAS Number 51-55-8

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
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🌐 parchem.com ✉ info@parchem.com

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification

Acute toxicity - Oral Category 2
Acute toxicity - Inhalation (Dusts/Mists) Category 2

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard Statements

Fatal if swallowed
Fatal if inhaled

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink, or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear respiratory protection



Response

IF exposed or concerned: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse Mouth

Storage

Store locked up Store in a well-ventilated place. Keep container tightly closed

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC): Not applicable

HMIS Rating

Health: 3
Flammability: 1
Reactivity: 0

NFPA Rating

Health: 4
Flammability: 1
Reactivity: 0

Section 3. Composition / Information on Ingredients

Common Name Atropine
Formula $C_{17}H_{23}NO_3$
CAS Number 51-55-8

COMPONENT	CAS NUMBER	CONCENTRATION
Atropine	51-55-8	> 98%

Section 4. First Aid Measures

First Aid Measures

General advice: Immediate medical attention is required.

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

Skin Contact: Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation: Immediate medical attention is required Remove to fresh air If not breathing, give artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation

Ingestion: Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water.



Self-protection of the first aider: Use personal protective equipment as required. Avoid contact with skin, eyes, or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed: Symptoms No information available.

Indication of any immediate medical attention and special treatment needed: Note to physicians Treat symptomatically.

Section 5. Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None.

Specific hazards arising from the chemical: No information available.

Hazardous combustion products: Carbon oxides. Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available.

Protective equipment and precautions for firefighters: Wear self-contained breathing apparatus and protective suit.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Personal precautions: Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up: Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.



Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink, or smoke when using this product. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Store at room temperature.

Incompatible materials: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Control parameters

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls: Showers; Eyewash stations; Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Tight sealing safety goggles.

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using do not eat, drink, or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

Section 9. Physical and Chemical Properties

Physical State: Solid

Appearance: Powder

Odor: No information available

pH: No information available

Melting point/freezing point: 115°C

Boiling point: 429.8°C

Flash point: 213.7°C

Density: 1.2 g/cm³



Evaporation rate: No information available
Upper flammability limits: No information available
Lower flammability limit: No information available
Vapor pressure: 0.0
Vapor density: No information available
Specific gravity: No information available
Water solubility: No information available
Solubility in other solvents: No information available
Partition coefficient: 1.83
Auto-ignition temperature: No information available
Decomposition temperature: No information available
Kinematic viscosity: No information available
Explosive properties: No information available
Oxidizing properties: No information available

Section 10. Stability and Reactivity

Reactivity: Not applicable
Chemical stability: Stable under recommended storage conditions
Possibility of Hazardous Reactions: None under normal processing
Hazardous polymerization: No information available
Conditions to avoid: Extremes of temperature of direct sunlight
Incompatible materials: Strong oxidizing agents
Hazardous Decomposition Products: Carbon Oxides. Nitrogen Oxides (NOx)

Section 11. Toxicological Information

Information on likely routes of exposure

Inhalation: No data available.
Eye contact: No data available.
Skin Contact: No data available.
Ingestion: No data available.

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity: Prolonged or repeated exposure increases the risk. Possible risk of irreversible effects.

Numerical measures of toxicity - Product Information

Unknown acute toxicity: No information available

The following values are calculated based on chapter 3.1 of the GHS document



ATEmix (oral): 5 mg/kg
ATEmix (inhalation-dust/mist): 0 mg/L

Section 12. Ecological Information

Ecotoxicity: May cause long lasting harmful effects to aquatic life
100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.
Persistence and degradability: No information available
Bioaccumulation: No information available
Mobility: No information available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT

UN/ID Number: UN1544
Hazard Class: 6.1
Packing Group: II
Proper shipping name: Alkaloids, Solid, N.O.S. (Poisonous)
Description: UN1544, Alkaloids, Solid, N.O.S. (Poisonous) (Atropine), 6.1, II, POISON
Emergency Response Guide Number: 151

IMDG

UN/ID Number: UN1544
Hazard Class: 6.1
Packing Group: II
Proper shipping name: Alkaloids, Solid, N.O.S. (Poisonous)
Description: UN1544, Alkaloids, Solid, N.O.S. (Poisonous) (Atropine), 6.1, II
Special Provisions: IB8, IP2, IP4, T3, TP33
EmS-No: F-A, S-A

IATA

UN/ID Number: UN1544
Hazard Class: 6.1
Packing Group: II
Proper shipping name: Alkaloid Salts, Solid, N.O.S.
Description: UN1544, Alkaloid Salts, Solid, N.O.S. (Atropine), 6.1, II

Section 15. Regulatory Information

International Inventories

All of the components in the product are on the following inventory lists

TSCA (United States): Canada (DSUNDSL) Europe (EINECS/ELINCS/NLP) Australia (AICS) ENCS
(Japan):

Chemical Name: Atropine

TSCA: X

Canada - DSL: -

Canada - NDSL: X

EINECS: X

ELINCS: -

ENCS: X

IECSC: -

KECL: -

PICCS: -

AICS: X

X - Listed

TSCA - United States Toxic Substances Control Act Section B(b) Inventory

DSLINDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard: No

Chronic Health Hazard: Yes

Fire hazard: No

Sudden release of pressure hazard: No

Reactive hazard: No

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).



US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations: This product does not contain any substances regulated by state right-to-know regulations

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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