



Material Safety Data Sheet

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METHDILAZINE HYDROCHLORIDE

Catalog Number: 1408000

Package Size: 200 mg

Revision Date:

March 10, 2004

EMERGENCY OVERVIEW - Toxic.

SECTION 1 - IDENTIFICATION

Common Name: Methdilazine Hydrochloride

Formula: C₁₈H₂₀N₂S . HCl

Synonym: n/f

Chemical Name: 10H-Phenothiazine, 10-[(1-methyl-3-pyrrolidinyl)methyl]-, monohydrochloride

CAS Number: 1229-35-2

RTECS Number: SP3150000

Chemical Family: A Phenothiazine derivative

Therapeutic Category: Antipruritic

SECTION 2 - INGREDIENT INFORMATION

Principle Components

Percent

Exposure Limits

Methdilazine Hydrochloride

Pure Material

n/f

SECTION 3 - HEALTH HAZARD INFORMATION

Usual Adult Dose: The usual adult oral dose of methdilazine hydrochloride is 8 mg every six to twelve hours.

Adverse Effects: Adverse effects may include drowsiness, skin rash, and thickening of mucus. Possible allergic reaction to material if inhaled, ingested or in contact with skin.

Overdose Effects: Symptoms of overdose include clumsiness or unsteadiness; severe drowsiness; severe dryness of mouth, nose, or throat; flushed or red face; troubled breathing; hallucinations; seizures; trouble sleeping; muscle spasms; restlessness; shuffling walk; jerky movements of head and face; trembling hands; and feeling faint.

Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.

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Chronic: Possible hypersensitization.

Inhalation: May cause irritation. Remove to fresh air.

Eye: May cause irritation. Flush with copious quantities of water.

Skin: May cause irritation. Flush with copious quantities of water.

Ingestion: May cause irritation, bitter taste, and toxicity. Avoid ingestion. Flush out mouth with water. This material is well absorbed from the gastrointestinal tract. Its onset of action is 15 to 60 minutes, and its duration of action is 6 to 12 hours.

Medical Conditions Aggravated by Exposure: Hypersensitivity to material, active alcoholism, asthma, coma, urinary retention, jaundice, narrow angle glaucoma, enlarged prostate gland, and obstruction of the bladder.

Cross Sensitivity: Persons sensitive to other phenothiazines may be sensitive to this material also.

Pregnancy Comments: Phenothiazines have been reported to cause jaundice and extrapyramidal symptoms in infants whose mothers received these medications near term.

Pregnancy Category: n/f

SECTION 4 - FIRST AID MEASURES

General: Remove from exposure. Remove contaminated clothing. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

Overdose Treatment: Treatment of overdose should be symptomatic and supportive and may include the following:

1. Induce vomiting.
2. Perform gastric lavage (isotonic or 0.45% sodium chloride solution) if person is unable to vomit within three hours of ingestion.
3. Saline cathartics are sometimes used.
4. Vasopressors to treat hypotension, however, epinephrine should NOT be used.
5. Oxygen and intravenous fluids.
6. Anticholinergic antiparkinson agents, diphenhydramine, or barbiturates, to control extrapyramidal reactions.
7. Avoid the use of stimulants which may cause seizures. [USP DI 20th 2003]

SECTION 5 - TOXICOLOGICAL INFORMATION

Oral Rat: LD50: 260 mg/kg

Oral Mouse: LD50: 190 mg/kg

Irritancy Data: n/f

Target Organ(s): Central nervous system.

Listed as a Carcinogen? **NTP:** No **IARC:** No **OSHA:** No

Other: No

SECTION 6 - FIREFIGHTING MEASURES

Flash Point: n/f

Upper Flammable Limit: n/f

Auto-Ignition Temperature: n/f

Lower Flammable Limit: n/f

Extinguisher Media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders it is advisable to ground

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Firefighting Procedures: mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 7 - PHYSICAL HAZARDS

Conditions to Avoid: n/f

Incompatibilities: n/f

Decomposition Products: When heated to decomposition material emits very toxic fumes of NO_x and HCl. Emits toxic fumes under fire conditions.

Stable? Yes **Hazardous Polymerization?** No

SECTION 8 - HANDLING / SPILL / DISPOSAL MEASURES

Handling: As a general rule, when handling USP Reference Standards avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.

Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labelled container for disposal. Wash spill site.

Disposal: Dispose of waste in accordance with all applicable Federal, State and local laws.

SECTION 9 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Use a NIOSH approved respirator, if it is determined to be necessary by an industrial hygiene survey involving air monitoring. In the event that a respirator is not required, an approved dust mask should be used.

Ventilation: Recommended.

Gloves: Rubber

Eye Protection: Safety Goggles

Protective Clothing: Protect exposed skin.

SECTION 10 - PHYSICAL AND CHEMICAL PROPERTIES

NOTE: The data reported below is general information, and is not specific to the USP Reference Standard Lot provided!

Appearance and Odor: Light tan crystalline powder; slight characteristic odor.

Melting Point: 187 - 189° C

Solubility in Water: Very soluble

Boiling Point: n/f

Specific Gravity: n/f

Vapor Pressure: n/f

Vapor Density: n/f

Evaporation Rate: n/f

Reactivity in Water: n/f

% Volatile by Volume: n/f