

AERCHEM INC.
320 North Walnut
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Telephone: 812.334.9996

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Effective Date: July 7, 1989

Product Name: Morphainan, 3-methyl-,(9a, 13a, 14a)-, hydrobromide monohydrate

Trade Name and synonyms: Dextromethorphan Hydrobromide

Chemical Formula: C₁₈H₂₅NO•HBr•H₂O

CAS No.: 125-69-9

Physical Data:

Boiling point:	N/A
Specific Gravity (Water=1):	N/A
Solubility in water:	Sparingly soluble in water
Odor:	Faint odor
Physical Form:	Off-white, crystalline powder
Evaporation Rate:	N/A
Reactivity in Water:	N/A

Fire and Explosion Information:

Flash point:	N/A
Flammable limits in air(% by volume):	Lower: N/A Upper: N/A.
<u>Hazardous components:</u>	Dextromethorphan HBr is a pure material. Threshold limit values have not been established.
<u>Extinguishing Media:</u>	Water spray: dry chemical: carbon dioxide or foam is required for surrounding fire and materials.
<u>Fire Fighting Procedures:</u>	Follow standard evacuation procedures. Firefighters should use self-contained breathing equipment and protective clothing.

This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity. When heated to decomposition, or when under fire conditions, material emits toxic fumes.

Reactivity Data: **Stable** X **Unstable** _____

Hazardous Decomposition: When heated to decomposition, material emits toxic fumes of NO_x and HBr. Emits toxic fumes under fire conditions.

Hazardous Polymerization: Will not occur

Incompatibilities: N/A

Handling and Storage Information:

Packaging: Store in a tight container as defined in the U.S. Pharmacopeia. This material should be handled and stored using label and other instructions to ensure product integrity.

Handling: Avoid contact with eyes, skin or clothing. Avoid breathing dust or mist. Use with adequate dust control. Wash areas of contact thoroughly after handling. Wear fresh clothing daily. Wash contaminated

clothing immediately after use. Do not permit eating, drinking, or smoking near material.

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Leak/Spill Information:

Wear approved respirator and chemically compatible gloves. allow dust to settle if possible; avoid dust. Vacuum or sweep up spillage. Place spillage in proper container for waste disposal. Ventilate area and wash spill site thoroughly.

Disposal Information:

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

Health Hazard Information:

A. Exposure/Health Effects

Persons who develop serious hypersensitivity reactions must receive immediate medical attention. Remove from exposure to material. Remove contaminated clothing. Upon eye or skin contact, flush affected area with large quantities of water. Respiratory depression should be treated promptly with oxygen.

Acute chronic precautions to consider: Avoid all contact and inhalation of dust, fumes, mist, and vapors associated with the material. Keep container tightly closed and use with adequate ventilation; wash thoroughly after handling. Initially, any chemical should be considered hazardous until its particular safety parameters are completely known and understood.

Mucous membranes and respiratory tract irritation. Possible hyper sensitization(anaphylaxis). Persons developing anaphylactic reactions must receive immediate medical attention.

B. First Aid:

Inhalation: May cause irritation of respiratory tract. Remove to fresh air.

Ingestion: May cause irritation. Flush out mouth with water.

Contact with eyes and skin: May cause irritation. Flush with large quantities.

C. Toxicity Data

Occupational Control Measures:

Airborne Exposure Limited: NIOSH approved respirator for dusts and mists.

Ventilation Systems: Ventilation of enclosed areas is recommended.

Skin Protection: Appropriate laboratory or production apparel; protect all expose skin.

Eye Protection: Safety goggles.
