

MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc.
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CHEMTREC (EMERGENCY ONLY): (800) 424-9300
POISON CENTER: (800) 562-8236

SECTION 1 Product Identification

CHEMICAL NAME: Magnesium bromide hexahydrate,98+%

PRODUCT NUMBER: 93-1219

CAS REGISTRY NUMBER: 13446-53-2

FORMULA: MgBr₂.6H₂O

EINECS NUMBER: 232-170-9

CHEMICAL FAMILY: metal halide

SYNONYM: Magnesium dibromide hexahydrate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13446-53-2	100	no data	no data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritating to the respiratory tract, skin and eyes. May be harmful if swallowed.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin, eyes

EYE CONTACT: Causes slight to mild irritation of the eyes.

SKIN CONTACT: Causes slight irritation of the skin.

INHALATION: Irritating to skin, eyes and respiratory tract.

INGESTION: No information is available on the physiological effects of ingestion.

ACUTE HEALTH EFFECTS: Irritating to skin, eyes and respiratory tract.

CHRONIC HEALTH EFFECTS: No information available on long-term chronic effects.

NTP: No

IARC: No

OSHA: No

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.

SKIN EXPOSURE: Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 Fire Fighting Measures

FLASH POINT: not applicable

AUTOIGNITION TEMPERATURE: none

EXPLOSION LIMITS: none

EXTINGUISHING MEDIUM: none required

SPECIAL FIRE FIGHTING PROCEDURES: No special fire fighting procedures required.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: none

UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: To avoid raising dust, small spills may be mixed with diatomaceous earth, sand, vermiculite or other suitable inert material and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store solid in a tightly sealed container.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses when handling a chemical substance in the laboratory.

SKIN PROTECTION: Wear appropriate chemical resistant gloves and protective clothing.

VENTILATION: If possible, handle the material in an efficient fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.

ADDITIONAL PROTECTION: No additional protection required.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: white xtl.

MOLECULAR WEIGHT: 184.13 (292.22)

MELTING POINT (°C): none

BOILING POINT (°C): no data

VAPOR PRESSURE: no data

SPECIFIC GRAVITY: 2

ODOR: none

SOLUBILITY IN WATER: very soluble

SECTION 10 Stability and Reactivity

STABILITY: air and moisture stable

HAZARDOUS POLYMERIZATION: no hazardous polymerization

CONDITIONS TO AVOID: none

INCOMPATIBILITY: chlorine

DECOMPOSITION PRODUCTS: none

SECTION 11 Toxicological Information

RTECS DATA: No information available in the RTECS files.

CARCINOGENIC EFFECTS: no data

MUTAGENIC EFFECTS: no data

TETRATOGENIC EFFECTS: no data

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of according to local, state and federal regulations.

SECTION 14 Transportation Information

SHIPPING NAME (CFR): Non-hazardous
HAZARD CLASS (CFR): NA
ADDITIONAL HAZARD CLASS (CFR): NA
PACKING GROUP (CFR): NA
UN ID NUMBER (CFR): NA
SHIPPING NAME (IATA): Non-hazardous
HAZARD CLASS (IATA): NA
ADDITIONAL HAZARD CLASS (IATA): NA
PACKING GROUP (IATA): NA
UN ID NUMBER (IATA): NA

SECTION 15 Regulatory Information

TSCA: Not listed in the TSCA inventory.
SARA (TITLE 313): Title compound not listed.
SECOND INGREDIENT: none
THIRD INGREDIENT: none

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Strem Chemicals, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information.

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