

PRMI

MATERIAL SAFETY DATA SHEET

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SECTION 1 Product Identification

CHEMICAL NAME: YTTRIUM BROMIDE
PRODUCT NUMBER: 3835
CAS# 13469-98-2
FORMULA: YBr₃.x H₂O

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13469-98-2	100	Not Determined	Not Determined

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Dust causes irritation to skin, eyes, mucous membranes. May be harmful if inhaled, ingested, absorbed thru skin.

PRIMARY ROUTES OF EXPOSURE: Contact with skin and eyes. Inhalation of dust.

EYE CONTACT: Causes irritation of the eyes.

SKIN CONTACT: Causes irritation

INHALATION: Causes irritation to nose, throat and respiratory tract.

INGESTION: No Data

ACUTE HEALTH EFFECTS: No Data

CHRONIC HEALTH EFFECTS: No Data

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for several minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get medical attention if redness or irritation persist.

SKIN EXPOSURE: Wash affected area with soap and copious amounts of water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persist.

INHALATION: Remove 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. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

INGESTION: Wash out mouth with water, provided person is conscious. Consult a physician.

SECTION 5 Firefighting Measures

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable.

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Water spray, CO2, dry chemical powder

SPECIAL FIREFIGHTING PROCEDURES: No special fire-fighting procedures required. Use normal conditions which include wearing NIOSH/MSHA approved self-contained breathing apparatus, flame and chemical resistant clothing, hats, boots and gloves.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen bromide

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Keep unprotected persons away. Wear appropriate respiratory and protective equipment to avoid exposure with material, sweep up avoiding raising dust and place in a well-marked container for disposal.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store in a tightly sealed container. Keep in a dry area. Hygroscopic. Picks up moisture readily from air. Store away from strong oxidizing agents. Avoid Inhalation. Avoid contact with skin, eyes, clothing. Avoid prolonged or repeated exposure.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggle when handling material.

SKIN PROTECTION: Chemical-resistant.

VENTILATION: Chemical fume hood.

RESPIRATOR: Where adequate ventilation is not available a dust respirator should be worn.

ADDITIONAL PROTECTION: Protection to avoid contact with skin, eyes, clothing.

Safety shower, eyewash in area. Use in a controlled environment. Do not eat, drink or smoke in area.

IRRITANT Avoid contact with skin, eyes. Do not breathe dust. May cause irritation to nose, throat, upper respiratory tract. Do not eat, drink or smoke in area.

SECTION 9

Physical and Chemical Properties

COLOR AND FORM: Crystal
MOLECULAR WEIGHT: 328.63 (anhydrous form)
MELTING POINT (DEG. C.): No Data
BOILING POINT: No Data
VAPOR PRESSURE: Not applicable
VAPOR DENSITY (AIR = 1): No Data
% VOLATILE BY VOLUME: Non volatile
SPECIFIC GRAVITY: No Data
SOLUBILITY IN WATER: Soluble

SECTION 10 Stability and Reactivity

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None Known
INCOMPATIBILITY: Strong oxidizing agents.
DECOMPOSITION PRODUCTS: Hydrogen bromide gas

SECTION 11 Toxicological Information

RTECS DATA: No Data
CARCINOGENIC EFFECTS: No Data
MUTAGENIC EFFECTS: No Data
TETRATOGENIC EFFECTS: No Data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.
To be used by qualified individuals only.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: Take care to prevent chemicals from entering the ground, water courses or drainage systems.

SECTION 13 Disposal Considerations

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

SECTION 14 Transportation Information

Non-hazardous material Non-regulated material

SECTION 15 Regulatory Information

TSCA: Listed

SARA (TITLE 313): Components subject to Section 313 Reporting.

SECTION 16 Other Information

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

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