

PRMI

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 Product Identification

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**CHEMICAL NAME:** ERBIUM BROMIDE  
**PRODUCT NUMBER:** 1687  
**CAS#** 29843-93-4  
**FORMULA:** ErBr<sub>3</sub>.x H<sub>2</sub>O

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	29843-93-4	100	Not Determined	Not Determined

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## SECTION 3 Hazards Identification

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**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

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## SECTION 4 First Aid Measures

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**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.

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## SECTION 5

## Firefighting Measures

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**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

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## SECTION 6

## Accidental Release Measures

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**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.

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## SECTION 7

## Handling and Storage

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

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## SECTION 8

## Exposure Controls and Personal Protection

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**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. Hygroscopic. Picks up moisture readily from air.