

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: Erbium Chloride hexahydrate
CAS #: 10025-75-9
FORMULA: ErCl₃.6H₂O

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	10025-75-9	100	no data	no data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: May cause irritation . Hygroscopic (absorbs moisture from air). The toxicological properties of this material have not been fully investigated. This is expected to be a low hazard for usual industrial handling.

EYE CONTACT: May cause eye irritation

SKIN CONTACT: May cause skin irritation

INHALATION: May cause respiratory tract irritation

INGESTION: The toxicological properties of this substance have not been fully investigated

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash 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 assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 Firefighting Measures

FLASH POINT: not available

AUTO IGNITION TEMPERATURE: not available

EXPLOSION LIMITS: not available

EXTINGUISHING MEDIUM: Use carbon dioxide or dry chemical

SPECIAL FIREFIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen Chloride

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

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Vacuum or sweep up material and place into a suitable disposal container.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store material in a tightly sealed container. Store in a cool, dry place

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical-resistant.

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 19-10.134.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: Pink Solid

MOLECULAR WEIGHT: 381.70

MELTING POINT (DEG. C.): 774 deg C

BOILING POINT: not available

VAPOR PRESSURE: not available

SPECIFIC GRAVITY: not available

SOLUBILITY IN WATER: soluble

SECTION 10 Stability and Reactivity

STABILITY: stable under normal temperatures and pressures

HAZARDOUS POLYMERIZATION: Has not been reported

CONDITIONS TO AVOID: Exposure to moist air or water

INCOMPATIBILITY: Strong oxidizing agents, strong acids

DECOMPOSITION PRODUCTS: Hydrogen Chloride

SECTION 11 Toxicological Information

RTECS DATA: Unlisted

MUTAGENIC EFFECTS: no data

TETRATOGENIC EFFECTS: no data

CARCINOGENIC EFFECTS: no data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

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

SECTION 14 Transportation Information

Not regulated as a hazardous material

Not regulated as a hazardous material

SECTION 15 Regulatory Information

TSCA: Not listed in the TSCA inventory

SARA (TITLE 313): No chemicals are reportable under Section 313.

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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