



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Europium (III) chloride, hydrate**

PRODUCT NO: 1768

CAS NO: 13759-92-7

SYNONYMS: Europium trichloride hydrate

MANUFACTURER:

Prochem, Inc.
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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

HMIS CLASSIFICATION:

Health: 0 Flammability: 0 Reactivity: 0

NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

EYE CONTACT: Avoid contact with eyes.

SKIN CONTACT: May cause allergic skin reaction.

INHALATION: May cause irritation of respiratory tract.

INGESTION: May be harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{EuCl}_3 \cdot \text{xH}_2\text{O}$

Molecular Weight: 258.32 (anhy.)

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Europium chloride	13759-92-7	90-100%	No data	No data

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: In case of contact with eyes, rinse immediately with plenty of water.

SKIN EXPOSURE: Rinse immediately with plenty of soap and water.

INHALATION: Move to fresh air.

SECTION 4 FIRST AID MEASURES (Cont.)

INGESTION: Do NOT induce vomiting without medical advice. Rinse mouth with water.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not flammable

AUTO IGNITION TEMPERATURE: Not determined

EXPLOSION LIMITS: Product does not present explosion hazard

EXTINGUISHING MEDIUM: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SPECIAL FIRE FIGHTING 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 gas, Europium/europium oxides

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

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment.

ENVIRONMENTAL PRECAUTIONS: Prevent product from entering drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and shove into suitable containers for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation.

CONDITIONS FOR SAFE STORAGE: Keep container tightly closed and store in a dry and well-ventilated area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

SKIN PROTECTION: Chemical resistant gloves.

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: White solid

MELTING POINT: 632° C (dec.)

BOILING POINT: No data available

MOLECULAR WEIGHT: 258.32 (anhy.)

ODOR: No data available

SPECIFIC GRAVITY: 4.89 gm/ml

VAPOR PRESSURE: Not applicable

SOLUBILITY IN WATER: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: No hazardous polymerization

CONDITIONS TO AVOID: Exposure to air or moisture over prolonged periods.

INCOMPATIBILITY: Strong oxidizing agents

DECOMPOSITION PRODUCTS: Chloride/Hydrochloric acid

SECTION 11 TOXICOLOGICAL DATA

CARCINOGENIC EFFECTS: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

MUTAGENIC EFFECTS: No data

TERATOGENIC EFFECTS: No data

CHRONIC TOXICITY: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

SPECIFIC EFFECTS: May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, and headache.

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

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state and federal regulations.

SECTION 14 TRANSPORTATION DATA

Non-hazardous material

SECTION 15 REGULATORY INFORMATION

TSCA: Not listed in the TSCA Inventory

SARA 302 COMPONENTS: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA (TITLE 313): This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Europium (III) chloride hexahydrate

NEW JERSEY RIGHT TO KNOW COMPONENTS: Europium (III) chloride hexahydrate

CALIFORNIA PROP. 65 COMPONENTS: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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.

DATE PREPARED: 03/14

SDS DEPT.