



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

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

PRODUCT NO: 1765

CAS NO: 10025-76-0

### MANUFACTURER:

Prochem, Inc.  
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Rockford, IL 61109

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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

Pictogram None

Signal Word **Warning**

### Hazard Statements

H303 May be harmful if swallowed.

### Precautionary Phrases

None

### HMIS CLASSIFICATION:

Health: 1 Flammability: 0 Reactivity: 0

### NFPA RATING:

Health: 1 Fire: 0 Reactivity Hazard: 0

**EYE CONTACT:** May be a mild irritant to the eyes.

**SKIN CONTACT:** May cause slight irritation of the skin.

**INHALATION:** Inhalation of dust can lead to irritation of the respiratory tract.

**INGESTION:** May be harmful if swallowed.

**ACUTE HEALTH EFFECTS:** May be irritating to skin, eyes, and respiratory tract.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $\text{EuCl}_3$

Molecular Weight: 258.32

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS (Cont.)

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Europium chloride, anhydrous	10025-76-0	100	No data	No data

### 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 applicable

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** None

**EXTINGUISHING MEDIUM:** Material is non-flammable. Use fire fighting measures that suit the surrounding fire.

**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

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Always use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Avoid breathing dust.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Small spills can be mixed with vermiculite or sodium carbonate and swept up.

### SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**CONDITIONS FOR SAFE STORAGE:** Store material in a tightly sealed container away from moisture.

### SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, or safety goggles, 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 to yellow powder

**MELTING POINT:** 850° C

**BOILING POINT:** No data

**MOLECULAR WEIGHT:** 258.32 g/mole

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

**ODOR:** No data available

**SPECIFIC GRAVITY:** 4.89 gm/ml

**VAPOR PRESSURE:** No data

**SOLUBILITY IN WATER:** Soluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization

**CONDITIONS TO AVOID:** None

**INCOMPATIBILITY:** Active metals and strong oxidizing agents.

**DECOMPOSITION PRODUCTS:** Hydrogen chloride gas, Europium/europium oxides

## SECTION 11 TOXICOLOGICAL DATA

**ACUTE TOXICITY:** LD50 Oral – mouse – 3,257 mg/kg

**RTECS DATA:** Oral (mouse): LD50: 3527 mg/kg. Intraperitoneal (mouse): LD50: 387 mg/kg. Intraperitoneal (guinea pig): LD50: 156 mg.

**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

**TETRATOGENIC EFFECTS:** No data

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:** 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, anhydrous

**NEW JERSEY RIGHT TO KNOW COMPONENTS:** Europium (III) chloride, anhydrous

**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.