



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Ytterbium (III) Oxalate**

PRODUCT NUMBER: 3808

CAS NUMBER: 51373-68-3

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



Signal Word

Warning

Hazard Statements

H302+H312	Harmful if swallowed or in contact with skin.
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Precautionary Phrases

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P501	Dispose of contents/container to an approved waste disposal plant.

HMIS CLASSIFICATION:

Health: 2 Fire: 0 Reactivity Hazard: 1

NFPA RATING:

Health: 2 Flammability: 0 Reactivity Hazard: 1

EYE CONTACT: Causes irritation of the eyes.

SKIN CONTACT: Causes irritation of the skin.

INHALATION: Dust is irritating to the nose, mucous membranes, and respiratory tract.

INGESTION: Causes irritation if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Yb}_2(\text{C}_2\text{O}_4)_3 \cdot 10\text{H}_2\text{O}$

Molecular Weight: 790.28

CHEMICAL NAME	CAS#	%
Ytterbium (III) Oxalate	51373-68-3	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for several minutes. Assure flushing under eyelids.

A victim may need assistance in keeping their eyelids open. Get immediate medical attention.

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

INHALATION: Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

INGESTION: Seek medical assistance immediately. Keep the victim calm.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Carbon dioxide, extinguishing powder, or water spray. Fight large fires with water spray or alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon Oxides and ytterbium oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Keep unprotected persons away.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in a well-marked container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Use with adequate ventilation. Keep away from water, moisture, and humidity. Do not breathe dust.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store in a tightly sealed container.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: This product contains no substances with occupational exposure limit values.

EYE PROTECTION: Wear chemical safety glasses or goggles.

SKIN PROTECTION: Wear nitrile or rubber gloves, apron, or lab coat.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator.

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White solid

ODOR: None

BOILING POINT: Not available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

MELTING POINT: Not available

SPECIFIC GRAVITY: 2.644 gm/ml

VAPOR DENSITY: No data available

SOLUBILITY: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Water, moisture, and humidity

INCOMPATIBILITY: Oxidizing agents

DECOMPOSITION PRODUCTS: Carbon oxides and ytterbium oxides.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: Harmful in contact with skin and if swallowed. Danger through skin absorption.

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

CHRONIC TOXICITY: Lanthanons may have an anticoagulant effect on blood. Exposure to lanthanons may also lead to sensitivity to heat, itching, increased awareness of odor and taste, and liver damage. Oxalates are powerful irritants and corrosive to tissue. They have a caustic effect on mouth, esophagus, and stomach. Readily absorbed, they can cause severe kidney damage.

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

SECTION 12 ECOLOGICAL DATA

No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORTATION DATA

UN3288

Toxic solid, inorganic, n.o.s.

(Ytterbium (III) Oxalate)

CLASS 6.1

PG III

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

SARA 302/304: Not Listed

SARA 311/312: Not Listed

SARA (TITLE 313): Not Listed

CALIFORNIA PROP. 65: Not Listed

WHMIS CANADA: Not Listed

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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