



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Thulium (III) acetate hydrate**
PRODUCT NUMBER: 3590
CAS NUMBER: 314041-04-8

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

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash face, hands, and any exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

EYE CONTACT: Causes serious eye irritation.

SKIN CONTACT: Causes skin irritation.

INHALATION: May be irritation to the nose, mucous membranes, and respiratory tract.

INGESTION: May cause respiratory irritation.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $Tm(OOCCH_3)_3 \cdot XH_2O$

Molecular Weight: 346.07 (anhy)

CHEMICAL NAME	CAS#	%
Thulium (III) acetate hydrate	314041-04-8	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN EXPOSURE: In case of contact, immediately flush skin with plenty of water. If skin irritation persists, call a physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

INGESTION: Clean out mouth with water. Drink plenty of water afterwards. Get medical attention if symptoms occur.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: None

EXTINGUISHING MEDIUM: Carbon dioxide, powder, water spray. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

SPECIAL FIRE FIGHTING PROCEDURES: Keep product and empty container away from heat and sources of ignition.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and metal oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Always wear appropriate protective equipment. Ensure adequate ventilation. Avoid dust formation.

ENVIRONMENTAL PRECAUTIONS: Not available

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

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Do not breathe dust. Wear suitable protective clothing. Avoid dust formation.

CONDITIONS FOR SAFE STORAGE: Store under an inert atmosphere. Keep container tightly closed in a dry and well-ventilated area. Protect from moisture.

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 chemical substance in the laboratory.

SKIN PROTECTION: Chemical-resistant gloves.

VENTILATION: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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: Off-white solid
MOLECULAR WEIGHT: 346.07 (anhy)
MELTING POINT: No data available
SPECIFIC GRAVITY: No data available
BOILING POINT: No data available
VAPOR PRESSURE: No data available
SOLUBILITY IN WATER: No data available

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Exposure to moisture and water.
INCOMPATIBILITY: Oxidizing agents
DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and metal oxides.

SECTION 11 TOXICOLOGICAL DATA

CARCINOGENIC EFFECTS: No component of this product presents at levels $\geq 0.1\%$ is identified as probable, possible or confirmed carcinogen by IARC.
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: Not available
DEVELOPMENTAL TOXICITY: Not available

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

SECTION 15 REGULATORY INFORMATION

TSCA: Not listed in the TSCA inventory
CALIFORNIA PROP 65: The product does not contain any Proposition 65 chemicals.

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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SDS DEPT.