



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Yttrium (III) Acetate Hydrate**

PRODUCT NUMBER: 3829

CAS NUMBER: 304675-69-2

MANUFACTURER:

Prochem, Inc.
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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.
H402	Harmful to aquatic life

Precautionary Phrases

P262	Do not get in eyes, on skin, or on clothing.
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.

HMIS CLASSIFICATION:

Health: 1 Fire: 0 Reactivity Hazard: 0

NFPA RATING:

Health: 1 Flammability: 0 Reactivity Hazard: 0

EYE CONTACT: Causes serious eye irritation.

SKIN CONTACT: May be harmful if absorbed through the skin. Causes skin irritation.

INHALATION: May be harmful if inhaled. Causes respiratory tract irritation.

INGESTION: May be harmful if swallowed

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Y}(\text{OOCCH}_3)_3 \cdot \text{xH}_2\text{O}$

Molecular Weight: 266.06 (anhy.)

CHEMICAL NAME	CAS#	%
Yttrium (III) acetate hydrate	304675-69-2	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: In case of eye contact, flush the eye with plenty of water and seek medical attention if necessary.

SKIN EXPOSURE: Immediately wash with plenty of water and wash soap for at least 15 minutes while removing contaminated clothing. Get medical attention if necessary.

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: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Use appropriate media for adjacent fire. Cool containers with water.

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

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Yttrium oxide and carbon oxide.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid the formation of dust. Avoid breathing vapors, mist, gas, or dust.

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

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Mix spills with vermiculite or sodium carbonate. Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid formation of dusts and aerosols.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Keep away from heat and moisture.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no substances with occupational exposure limit values.

Component	Exposure Limits	Basis	Entity
Yttrium (III) Acetate Hydrate	1 mg/m ³	TWA	ACGIH
	1 mg/m ³	TWA	NIOSH

TWA: Time Weighted Average over 8 hours of work.

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.

SKIN PROTECTION: Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.

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 crystalline

ODOR: None

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

MOLECULAR WEIGHT: 266.06 (anhy.)

BOILING POINT: No data available

MELTING POINT: No data available

SPECIFIC GRAVITY: No data available

SOLUBILITY: Water

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Excess heat

INCOMPATIBILITY: Oxidizing agents and active metals.

DECOMPOSITION PRODUCTS: Carbon oxides and yttrium oxides.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Oral - Rat - > 2,000 mg/kg (OECD Test Guideline 420)

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: Not available

RTECS: No data

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

SECTION 12 ECOLOGICAL DATA

EC50 (Daphnia (water flea)): 33 mg/l End point: Immobilization Exposure time: 48 h

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORTATION DATA

Not a dangerous good.

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

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

NEW JERSEY RIGHT TO KNOW COMPONENTS: No components are subject to the New Jersey Right to Know Act.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: No components are subject to the Pennsylvania Right to Know Act

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 PREVIOUSLY PREPARED: 05/15

DATE REVISED: **10/26**

REVISED SUMMARY: Removed fax number. Updated section number 2,8,11,12 & 16. All other details in this document about this product remained unchanged.

EHS/SDS DEPT.