

SAFETY DATA SHEET

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ProChem inc.

SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Yttrium (III) Bromide, Hydrate**

PRODUCT NUMBER: 3835

CAS NUMBER: 13469-98-2

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

Skin corrosion / irritation	Category – 2
Serious eye damage / eye irritation	Category – 2/2A
Specific target organ toxicity; Respiratory tract irritation	Category – 3

Pictogram



Signal Word **Warning**

Hazard Statements

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

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands and skin (face) thoroughly after handling
P271	Use ONLY outdoors or in a well-ventilated area/under a hood.
P280	Wear protective gloves/protective clothing/eyes & face protection
P362	Take off contaminated clothing and wash clothing before reuse.
P302+P352	IF ON SKIN; Wash with plenty of soap and water.
P332+P313	If Eye irritation persists: Get medical advice / attention
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340+P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing and call a POISON CENTER or doctor if you feel unwell.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: YBr3.XH2O

Molecular Weight: 328.63 (anhy.)

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Yttrium (III) Bromide Hydrate	13469-98-2	100	Not determined	Not determined

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible). 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 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. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately
INGESTION: Wash out mouth with water, provided person is conscious. Consult a physician.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable
AUTO IGNITION TEMPERATURE: Not applicable
EXPLOSION LIMITS: Not applicable
EXTINGUISHING MEDIUM: Carbon dioxide, extinguishing powder, and water spray.
SPECIAL FIRE FIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive self-contained breathing apparatus, flame and chemical resistant clothing, hats, boots, and gloves.
HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen bromide

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear approved personal protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS: Do not let product enter drains or allow to be released into the environment.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up avoiding raising dust and place in a well-marked container for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear approved personal protective equipment. Avoid inhalation. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation
CONDITIONS FOR SAFE STORAGE: Store in a tightly sealed container in a dry area. Hygroscopic. Picks up moisture readily from air. Store away from strong oxidizing agents.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Causes serous irritation of the eyes. Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.
SKIN PROTECTION: Causes skin irritation. Chemical resistant gloves.
INHALATION: Causes irritation to nose, throat, and respiratory tract.
VENTILATION: Handle in an efficient chemical 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 OSHA 29 CFR 19-10.134 compliance

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Colorless crystal
MOLECULAR WEIGHT: 328.63 (anhy.)
BOILING POINT: No data available
MELTING POINT: 904°C

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

SPECIFIC GRAVITY: No data available
VAPOR PRESSURE: No data
SOLUBILITY: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None known
INCOMPATIBILITY: Strong oxidizing agents
DECOMPOSITION PRODUCTS: Hydrogen bromide gas

SECTION 11 TOXICOLOGICAL DATA

RTECS DATA: No data
CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified as a confirmed carcinogen by IARC, ACGIH, NTP, and OSHA.
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: No data 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 material

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

SARA 313 COMPONENTS: No components subject to Section 313 reporting.

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

HMIS CLASSIFICATION:
Health: 2 Flammability: 0 Reactivity: 0
NFPA RATING:
Health: 2 Fire: 0 Reactivity Hazard: 0

SECTION 16 OTHER INFORMATION. (Cont.)

CAS #: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TWA: Time-Weighted Average
PEL: Permissible Exposure Limit
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program.
TSCA: Toxic Substances Control Act
SARA: Superfund Amendments and Reauthorization Act

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 PREVIIOUSLY PREPARED: 04/15
DATE REVISED: 08/26
REVISED SUMMARY: Removed company fax number. Updated Section # 2. All other details in this document about this product remained unchanged. Revisions by EHS on 08/19/26

EHS/SDS DEPT.