



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Dysprosium (III) bromide hydrate**

PRODUCT NO: 1633

CAS NO: 29843-91-2

SYNONYMS: Dysprosium tribromide

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

Not a dangerous substance according to the GHS

HMIS CLASSIFICATION:

Health: 0 Flammability: 0 Reactivity: 0

NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

EYE CONTACT: Causes irritation.

SKIN CONTACT: Causes irritation to skin.

INHALATION: Irritating to mucous membranes and upper respiratory tract.

INGESTION: No data

ACUTE HEALTH EFFECTS: Harmful by ingestion or inhalation. Irritant

CHRONIC HEALTH EFFECTS: No information found.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $DyBr_3 \cdot xH_2O$

Molecular Weight: 402.2 (Anhy.)

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Dysprosium (III) bromide hydrate	29843-91-2	100	No data	No data

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible). Assure adequate flushing under eyelids. Seek medical attention.

SECTION 4 FIRST AID MEASURES (Cont.)

SKIN EXPOSURE: Wash affected area with soap and water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness 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: Seek medical assistance immediately. Keep the victim calm. Do not induce vomiting.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL FIRE FIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing. Use water spray to cool fire-exposed containers and structures.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire this material may emit of hydrogen bromide gas.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid dust formation.

ENVIRONMENTAL PRECAUTIONS: Do not let product enter drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in well-marked container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Provide appropriate exhaust ventilation at places where dust is formed.

CONDITIONS FOR SAFE STORAGE: Keep container tightly closed. Use and store this material in a cool, dry, well-ventilated area. Store away from incompatible materials.

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 ventilation is not available, a high efficiency dust respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34

ADDITIONAL PROTECTION: Protection to avoid contact with clothing, shoes (chemical-resistant lab apron, overalls, booties, sleevelets).

OTHER PROTECTIVE EQUIPMENT: Eye wash and quick-drench shower facilities should be available in work area. Use in a controlled environment. Do not smoke, eat, or drink in area. Avoid prolonged or repeated exposure.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Solid

MELTING POINT: No data

BOILING POINT: No data

MOLECULAR WEIGHT: 402.2 (Anhy.)

ODOR: Not available

SPECIFIC GRAVITY: No data

VAPOR PRESSURE: No data

SOLUBILITY IN WATER: No data

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

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

RTECS: 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): Title compound not listed

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components listed.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Dysprosium tribromide

NEW JERSEY RIGHT TO KNOW COMPONENTS: Dysprosium tribromide

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.