



# SAFETY DATA SHEET

ProChemOnline.com



## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Dysprosium carbonate tetrahydrate**

PRODUCT NO: 1636

CAS NO: 38245-35-1

SYNONYMS: Carbonic acid, Dysprosium salt

### MANUFACTURER:

Prochem, Inc.  
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Rockford, IL 61109

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TOLL FREE: 800-795-8788

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

**PRIMARY ROUTES OF EXPOSURE:** Ingestion and inhalation

**EYE CONTACT:** May cause slight to mild irritation of the eyes.

**SKIN CONTACT:** May cause slight to mild irritation of the skin.

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

**INGESTION:** No information on the physiological effects of ingestion.

**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects.

**ACUTE HEALTH EFFECTS:** May be irritating to skin, eyes and respiratory tract.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $Dy_2(CO_3)_3 \cdot 4H_2O$

Molecular Weight: 577.06

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Dysprosium carbonate tetrahydrate	38245-35-1	100	No data	No data

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. 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 the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** None

**EXTINGUISHING MEDIUM:** None required

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** None.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** No unusual fire or explosion hazards.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Ensure adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains or be released to the environment.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Small spills can be mixed with powdered sodium carbonate or ground limestone and swept up.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Wear appropriate protective equipment. Provide appropriate exhaust ventilation.

**CONDITIONS FOR SAFE STORAGE:** Store material in a tightly sealed container away from moisture.

## 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 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:** white powder

**MELTING POINT:** No data

**BOILING POINT:** No data

**MOLECULAR WEIGHT:** 577.06

**ODOR:** Odorless

**SPECIFIC GRAVITY:** No data

**VAPOR PRESSURE:** No data

**SOLUBILITY IN WATER:** Insoluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Air and moisture stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization.

## **SECTION 10 STABILITY AND REACTIVITY (Cont.)**

**CONDITIONS TO AVOID:** Strong acids

**INCOMPATIBILITY:** Mineral acids and active metals

**DECOMPOSITION PRODUCTS:** Carbon monoxide and carbon dioxide

## **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

**TOXICITY DATA:** 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:** Not listed in the TSCA Inventory

**OSHA HAZARDS:** No known OSHA hazards

**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

**SARA 311/312 HAZARD:** No SARA hazards

**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:** 02/14

**SDS DEPT.**