

## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: 25-Hydroxy vitamin-D2  
Catalog number: 294

**Supplier:**

Medical Isotopes, Inc.  
100 Bridge Street  
Pelham, NH 03076 USA  
Tel: +1-603-635-2255 Fax: +1-603-635-2448  
Email: [info@medicalisotopes.com](mailto:info@medicalisotopes.com)

**Suitability:**

For laboratory use only.

**Emergency Contact Information:**

Call Infotrac 24/7  
DOMESTIC NORTH AMERICA 1-800-535-5053 (United States, Canada, Mexico)  
INTERNATIONAL, CALL 1-352-323-3500

#### SECTION 2. Hazard(s) identification

**Hazard classification:**

Acute toxicity, Oral (Category 3), H301  
Acute toxicity, Inhalation (Category 2), H330  
Acute toxicity, Dermal (Category 3), H311  
Specific target organ toxicity - repeated exposure, Oral (Category 1), H372

**Signal Word:**

Danger

**Hazard Statements:**

H301 + H311 Toxic if swallowed or in contact with skin  
H330 Fatal if inhaled.  
H372 Causes damage to organs through prolonged or repeated exposure If swallowed.

**Pictogram:**

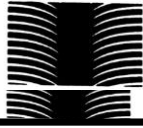


**Precautionary Statements:**

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing.  
P284 Wear respiratory protection.  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.  
P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISONCENTER or doctor/physician if you feel unwell.  
P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.  
P314 Get medical advice/ attention if you feel unwell.  
P361 Remove/ Take off immediately all contaminated clothing.  
P363 Wash contaminated clothing before reuse.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards:**

None



**SECTION 3. Composition/Information on Ingredients**

**Chemical name:**

25-Hydroxy Vitamin D2

**Synonyms:**

25-Hydroxyergocalciferol ; 25-Hydroxycalciferol

**CAS number:**

21343-40-8

**Impurities/Additives:**

N/A

**SECTION 4. FIRST AID MEASURES**

**Skin Contact:** Wash with soap and water for several minutes. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** Remove from exposure and move to fresh air immediately. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water. Consult a physician.

**SECTION 5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media**

Use water spray, foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**

Wear self-contained breathing apparatus for fire-fighting if necessary.

**Hazardous combustion products:** Carbon oxides.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Make sure to wear appropriate protective equipment as listed in section 8. Avoid breathing dust, vapors, or mists.

**Spill Clean-up Methods:** Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with a non-combustible material (e.g., sand, earth, diatomaceous earth), sweep up, and place into a suitable container for disposal. Avoid breathing the resulting dust.

**SECTION 7. HANDLING & STORAGE**

**Usage/Handling Precautions:** Make sure to wear appropriate PPE as listed in section 8. Avoid contact with skin and eyes.

**Storage Conditions:** Keep container tightly closed at -20 °C in freezer.

**SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Controls:** Use fume hood if available.

**Personal Protective Equipment**

**Eyes:** Always wear safety glasses when working with chemicals. Wear chemical goggles when working with liquids.

**Skin:** Wear protective gloves and a lab coat to prevent skin exposure.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White crystalline solid

**Odor:** N/A

**pH:** N/A

**Melting Point:** 88.0 - 95.0 °C

**Water Solubility (%):** insoluble

**Flash Point (°C):** N/A

**Vapor pressure:** N/A

**Autoignition Temperature (°C):** N/A

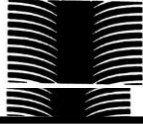
**Flammability Limits in Air (% by Vol.):** N/A

**SECTION 10. STABILITY & REACTIVITY**

**Reactivity:** N/A

**Chemical Stability:** Stable under recommended storage conditions

**Conditions to Avoid:** Strong oxidizing agents, strong acids, strong bases.



**SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** N/A

**Ingestion:** N/A

**Skin and eye contact:** N/A

**Other:** Effects due to ingestion may include: nausea, headache, vomiting, diarrhea, weakness, rash, itching.

**SECTION 12. ECOLOGICAL INFORMATION**

N/A

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Procedures:** Via licensed disposal company. Dispose of according to federal, state/province and local regulations.

**SECTION 14. TRANSPORT INFORMATION**

**DOT (US)**

UN number: 2811 Class: 6.1 Packing group: II

Proper shipping name: Toxic solids, organic, n.o.s. (25-Hydroxyvitamin D2)

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

**IMDG**

UN number: 2811 Class: 6.1 Packing group: II EMS-No: F-A, S-A

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (25-Hydroxyvitamin D2)

**IATA**

UN number: 2811 Class: 6.1 Packing group: II

Proper shipping name: Toxic solid, organic, n.o.s. (25-Hydroxyvitamin D2)

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 5/19/21

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