



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: 1 $\alpha$ ,25-Dihydroxy Vitamin D2  
Catalog number: 3922

**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:**

P264 Wash skin thoroughly after handling.  
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 POISON CENTER 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.

**Other hazards:**

None

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

**Chemical name:**

1 $\alpha$ ,25-Dihydroxy Vitamin D2

**Synonyms:**

1alpha,25-Dihydroxycalciferol

**CAS number:**

60133-18-8

**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 tightly closed and store at -20 °C

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

**Engineering Controls:** Use fumehood 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  
**Odor:** N/A  
**pH:** N/A  
**Melting Point:** N/A  
**Water Solubility (%):** N/A  
**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.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** N/A  
**Ingestion:** N/A  
**Skin and eye contact:** N/A  
**Other:** N/A

**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. (1 $\alpha$ ,25-Dihydroxy Vitamin D2)  
Marine pollutant: No  
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. (1 $\alpha$ ,25-Dihydroxy Vitamin D2)  
Marine pollutant: No

**IATA**

UN number: 2811 Class: 6.1 Packing group: II  
Proper shipping name: Toxic solid, organic, n.o.s. (1 $\alpha$ ,25-Dihydroxy Vitamin D2)

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 6/13/2022.

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