



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: 1 $\alpha$ ,25-Dihydroxy Vitamin D3 (26,26,26,27,27,27-d<sub>6</sub>)  
Catalog number: D3222

**Supplier:**

Medical Isotopes, Inc.  
100 Bridge Street  
Pelham, NH 03076 USA  
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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:**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute toxicity, Oral (Category 1), H300  
Acute toxicity, Inhalation (Category 1), H330  
Acute toxicity, Dermal (Category 2), H310  
Specific target organ toxicity-repeated exposure (Category 1) H372

**Signal Word:**

Danger

**Hazard Statements:**

**GHS Hazards Identification**

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled.  
H372 Causes damage to organs through prolonged or repeated exposure.

**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+P350+P310 IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER/physician.  
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/doctor.  
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 D3 (26,26,26,27,27,27-d<sub>6</sub>)

**Synonyms:**

Calcitriol-26,26,26,27,27,27-d<sub>6</sub>, Dihydroxycholecalciferol-26,26,26,27,27,27-d<sub>6</sub>

**CAS number:**

78782-99-7

**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 Solid

**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:** LD50 oral, rat, 0.62 mg/kg  
**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: I  
Proper shipping name: Toxic solids, organic, n.o.s. (Calcitriol-d6)  
Reportable Quantity (RQ):  
Poison Inhalation Hazard: No  
**IMDG**  
UN number: 2811 Class: 6.1 Packing group: I EMS-No: F-A, S-A  
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Calcitriol-d6)  
**IATA**  
UN number: 2811 Class: 6.1 Packing group: I  
Proper shipping name: Toxic solid, organic, n.o.s. (Calcitriol-d6)

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

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

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