



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: 25-Hydroxyvitamin D3-[26,26,26,27,27,27-d<sub>6</sub>] monohydrate  
Catalog number: D110381

**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:**

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 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.  
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-Hydroxyvitamin D3-[26,26,26,27,27,27-d<sub>6</sub>] monohydrate  
**Synonyms:**  
N/A  
**CAS number:**  
2483831-70-3  
**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 at -20 °C in freezer, under inert atmosphere.

**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.  
Body: Wear impervious/flame retardant anti-static protective clothing.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White to off-white solid  
**Odor:** N/A  
**pH:** N/A  
**Melting Point:** 64-69 °C  
**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:** Heat, flames, sparks, alkali metals, ammonia, Strong oxidizing agents, peroxides.



**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. (25-Hydroxyvitamin D3)  
Reportable Quantity (RQ):  
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. (25-Hydroxyvitamin D3)  
Marine pollutant: No

**IATA**

UN number: 2811 Class: 6.1 Packing group: II  
Proper shipping name: Toxic solid, organic, n.o.s. (25-Hydroxyvitamin D3)

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 1/21/22

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