



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: 24(R,S),25-Dihydroxy Vitamin D3  
Catalog number: 18821

**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:**

May be harmful if inhaled.  
May cause respiratory tract irritation.  
May be harmful if absorbed through skin.  
May cause skin irritation  
May cause eye irritation  
May be fatal if swallowed.

**Signal Word:**

Warning

**Hazard Statements:**

H315 Causes skin irritation.  
H319 Causes eye irritation.

**Pictogram:**



**Precautionary Statements:**

P264 Wash skin thoroughly after handling.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Other hazards:**

None

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

**Chemical name:**

24(R,S),25-Dihydroxy Vitamin D3

**Synonyms:**

24,25-dihydroxycholecalciferol

**CAS number:**

40013-87-4

**Impurities/Additives:**

N/A

#### SECTION 4. FIRST AID MEASURES

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



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**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, nitrogen oxides.

**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 in a dry well-ventilated place. Long term storage at -20°C. Light sensitive, store under inert gas.

### 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:** Solid

**Odor:** N/A

**pH:** N/A

**Melting Point:** 142.3°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:** Strong oxidizing agents, acid chlorides, acid anhydrides.

### 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 /IATA:**



## **MEDICAL ISOTOPES, Inc.**

**Hazard Class:** 6.1 **UN No.:** UN2811 **Packing Group:** II **Shipping Name:** Toxic solid, organic, n.o.s. (24,25-Dihydroxyvitamin D3)

### **SECTION 15. REGULATORY INFORMATION**

N/A

### **SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 3/5/21

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. MEDICAL ISOTOPES, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.