



## **MEDICAL ISOTOPES, Inc.**

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### **SAFETY DATA SHEET**

#### **SECTION 1. Identification**

**Product:**

Product Name: 2-Naphthol-d<sub>8</sub>  
Catalog number: D2486

**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.

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

**Hazard classification:**

Acute toxicity, Oral (Category 4), H302  
Acute toxicity, Inhalation (Category 4), H332  
Eye irritation (Category 2A), H319  
Acute aquatic toxicity (Category 1), H400

**Signal Word:**

Warning

**Hazard Statements:**

H302 + H332 Harmful if swallowed or if inhaled  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.

**Pictogram:**



**Precautionary Statements:**

P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.  
P330 Rinse mouth.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Other hazards:**

None

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

**Chemical name:**

2-Naphthol-d<sub>8</sub>

**Synonyms:**

N/A

**CAS number:**

78832-61-8

**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.



## **MEDICAL ISOTOPES, Inc.**

**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 in a dry and well-ventilated place. Store at room temperature. Light sensitive.

### **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:** 120-122 °C

**Water Solubility (%):** N/A

**Flash Point (°C):** 153

**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 bases.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** LC50 inhalation – rat 1h >770 mg/m<sup>3</sup>

**Ingestion:** LD50 oral – rat 1960 mg/kg

**Skin and eye contact:** LD50 dermal – rabbit >10,000 mg/kg

**Other:** N/A

### **SECTION 12. ECOLOGICAL INFORMATION**

**Toxicity to Fish:** LC50 – *Pimephales promelas* 3.46 mg/L – 96.0 h.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

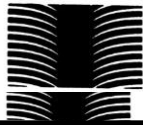
**Disposal Procedures:** Via licensed disposal company. Dispose of according to federal, state/province and local regulations.

### **SECTION 14. TRANSPORT INFORMATION**

**IATA**

**UN number:** 3077

**SDS**



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**Class:** 9

**Packing group:** III

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (2-Naphthol)

<b>SECTION 15. REGULATORY INFORMATION</b>
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N/A
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<b>SECTION 16. OTHER INFORMATION</b>
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Preparation information: Last revised on 11/5/2015.

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