



## **MEDICAL ISOTOPES, Inc.**

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### **SAFETY DATA SHEET**

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

**Product:**

Product Name: (-)-Norepinephrine  
Catalog number: 33085

**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 Chemtrec 24/7  
DOMESTIC NORTH AMERICA 800-424-9300  
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

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

**Hazard classification:**

Acute toxicity, Oral (Category 2), H300  
Acute toxicity, Inhalation (Category 1), H330  
Acute toxicity, Dermal (Category 2), H310

**Signal Word:**

Danger

**Hazard Statements:**

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled



**Pictogram:**

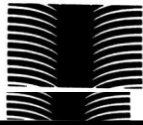
**Precautionary Statements:**

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P262 Do not get in eyes, on skin, or on clothing.  
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 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.  
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P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P320 Specific treatment is urgent (see supplemental first aid instructions on this label).  
P330 Rinse mouth.  
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**



## **MEDICAL ISOTOPES, Inc.**

**Chemical name:**

(-)-Norepinephrine

**Synonyms:**

L-Arterenol

L-Noradrenaline

Levarterenol

(R)-4-(2-Amino-1-hydroxyethyl)-1,2-benzenediol

**CAS number:**

51-41-2

**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. Nitrogen 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 -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:** crystalline

**Odor:** N/A

**pH:** N/A

**Melting Point:** 220 °C (428 °F)

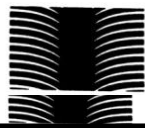
**Water Solubility (%):** N/A

**Flash Point (°C):** N/A

**Vapor pressure:** N/A

**Autoignition Temperature (°C):** N/A

**Flammability Limits in Air (% by Vol.):** N/A



## **MEDICAL ISOTOPES, Inc.**

### **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. (Norepinephrine)

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 solids, organic, n.o.s. (Norepinephrine)

Marine pollutant: No

#### **IATA**

UN number: 2811 Class: 6.1 Packing group: II

Proper shipping name: Toxic solid, organic, n.o.s. (Norepinephrine)

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

#### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

#### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

#### **Pennsylvania Right To Know Components**

Norepinephrine

CAS-No.

51-41-2

Revision Date

#### **New Jersey Right To Know Components**

Norepinephrine

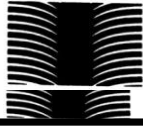
CAS-No.

51-41-2

Revision Date

#### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.



**SECTION 16. OTHER INFORMATION**

Acute Tox.

H300

H300 + H310 + H330

H310

Acute toxicity

Fatal if swallowed.

Fatal if swallowed, in contact with skin or if inhaled

Fatal in contact with skin

**HMIS Rating**

Health hazard: 4

Chronic Health Hazard: \*

Flammability: 0

Physical Hazard 0

**NFPA Rating**

Health hazard: 4

Fire Hazard: 0

Reactivity Hazard: 0

Preparation information: Last revised on 08/11/16

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.