



## MEDICAL ISOTOPES, Inc.

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### MATERIAL SAFETY DATA SHEET

Medical Isotopes, Inc.  
Revision Date: 5/27/15  
Sheet No: D394

#### SECTION 1. PRODUCT IDENTIFICATION

**PRODUCT NAME:** N-Ethylmaleimide-d5  
**CATALOG NUMBER:** D394  
**CAS No:** 360768-37-2

#### SECTION 2. CHEMICAL INFORMATION (UNLABELED)

**PRODUCT NAME:** N-Ethylmaleimide  
**SYNONYMS:** NEM  
**CAS No:** 128-53-0

#### SECTION 3. HAZARDS IDENTIFICATION

**HAZARDS:** Fatal if swallowed. Toxic on contact with skin. Causes sever skin burns and eye damage. May cause an allergic skin reaction.

#### 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 listen 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 refrigerate.

#### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering Controls:** Use fumehood if available.  
**Personal Protective Equipment**  
Eyes: Wear safety glasses and chemical goggles.  
Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.  
Clothing: Wear appropriate protective clothing to minimize contact with skin. Remove any contaminated clothing immediately.



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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Solid Density: N/A  
Odor: N/A  
Melting Point: 45-47 °C  
Volatiles (%): N/A Water Solubility (%): N/A  
Flash Point (°C): 73 °C  
Autoignition Temperature (°C): N/A  
pH: N/A  
Flammability Limits in Air (% by Vol.) : N/A

#### SECTION 10. STABILITY & REACTIVITY

Chemical Stability: Stable under recommended storage conditions  
Conditions to Avoid: Strong oxidizing agents.

#### SECTION 11. TOXICOLOGICAL INFORMATION

LD50 Oral- rat- 25 mg/kg.  
LD50 Dermal – guinea pig – 500 mg/kg.

#### 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 2928 Class: 6.1(8) Packing group: II  
IMDG UN number 2928 Class: 6.1(8) Packing group: II  
IATA UN number 2928 Class: 6.1(8) Packing group: II

#### SECTION 15. REGULATORY INFORMATION

N/A

#### SECTION 16. OTHER INFORMATION

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.