



## MEDICAL ISOTOPES, Inc.

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### MATERIAL SAFETY DATA SHEET

Medical Isotopes, Inc.  
Company Code: L074  
Sheet No. N1504

#### SECTION 1. PRODUCT IDENTIFICATION

**PRODUCT NAME:**  $^{15}\text{N}_2$ -Ammonium Sulfate  
**CATALOG NUMBER:** N1504  
**CAS No:** 43086-58-4

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

**CHEMICAL NAME:** Ammonium- $^{15}\text{N}_2$  Sulfate  
**Formula:**  $\text{H}_8^{15}\text{N}_2\text{O}_4\text{S}$

#### SECTION 3. HAZARDS IDENTIFICATION

**Known Hazards:** 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 harmful if swallowed.

#### SECTION 4. FIRST AID MEASURES

**Skin Contact:** Wash off with soap and plenty of water.  
**Eye Contact:** Flush eyes with water as a precaution.  
**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.  
**Inhalation:** Move person into fresh air. If not breathing, give artificial respiration.

#### SECTION 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special Fire Fighting Equipment:** Wear self contained breathing apparatus for fire fighting if necessary

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid dust formation.  
**Spill Clean-up Methods:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### SECTION 7. HANDLING & STORAGE

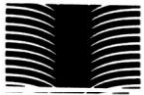
**Usage/Handling Precautions:** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection.  
**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place.

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

**Respiratory Protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) CEN (EU).  
**Hand Protection:** For prolong or repeated contact use protective gloves.  
**Eye Protection:** Safety glasses  
**Other Protective Measures:** General industrial hygiene

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid  
**Melting Point:**  $>280^\circ\text{C}$   
**Density:**  $1.77\text{ g/cm}^3$   
**Molecular Weight:** 134.13



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#### **SECTION 10. STABILITY & REACTIVITY**

**Incompatibility (Materials/Conditions to Avoid):** Strong oxidizing agents, strong bases

**Hazardous Decomposition Products:** Nitrogen oxides, sulfur oxides

**Stability:** Stable under recommended storage conditions.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

Do not let product enter drains.

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

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

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

Non-hazardous for transport

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

#### **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.