



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: Sodium Nitrate-<sup>15</sup>N  
Catalog number: N1506

**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:**

Oxidizing solids (Category 3), H272  
Acute toxicity, Oral (Category 4), H302  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

**Signal Word:**

Warning

**Hazard Statements:**

H272 May intensify fire; oxidiser.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes eye irritation.  
H335 May cause respiratory irritation.

**Pictogram:**



**Precautionary Statements:**

P210 Keep away from heat.  
P264 Wash skin thoroughly after handling.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
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.  
P330 Rinse mouth.  
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:**

Sodium Nitrate-<sup>15</sup>N

**Synonyms:**

N/A

**CAS number:**

31432-45-8

**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.  
**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:** Nitrogen oxides, sodium 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, 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:** 306 °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 reducing agents, powdered metals, strong acids.

**SECTION 11. TOXICOLOGICAL INFORMATION**

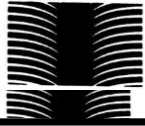
**Inhalation:** N/A  
**Ingestion:** N/A  
**Skin and eye contact:** N/A  
**Other:** N/A

**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 SDS



regulations.

**SECTION 14. TRANSPORT INFORMATION**

IATA

UN number: 1498

Class: 5.1

Packing group: III

Proper shipping name: Sodium nitrate

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 7/13/2015.

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