



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: N-Methyl pyrrolidine  
Catalog number: 84772

**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 Infotrac 24/7  
DOMESTIC NORTH AMERICA 1-800-535-5053 (United States, Canada, Mexico)  
INTERNATIONAL, CALL 1-352-323-3500

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

**Hazard classification:**

Flammable liquids (Category 2), H225  
Acute toxicity, Oral (Category 3), H301  
Acute toxicity, Inhalation (Category 4), H332  
Skin corrosion (Category 1A), H314  
Serious eye damage (Category 1), H318  
Short-term (acute) aquatic hazard (Category 2), H401  
Long-term (chronic) aquatic hazard (Category 2), H411

**Signal Word:**

Danger

**Hazard Statements:**

H225 Highly flammable liquid and vapor.  
H301 Toxic if swallowed.  
H314 Causes severe skin burns and eye damage.  
H332 Harmful if inhaled.  
H411 Toxic to aquatic life with long lasting effects.

**Pictogram:****Precautionary Statements:**

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
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.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.



P363 Wash contaminated clothing before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P391 Collect spillage.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards:**  
None

### SECTION 3. Composition/Information on Ingredients

**Chemical name:**  
N-Methyl pyrrolidine  
**Synonyms:**  
N/A  
**CAS number:**  
120-94-5  
**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 at room temperature.

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering Controls:** Use fume hood 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:** Very faint yellow liquid  
**Odor:** amine-like  
**pH:** 12.3 at 10.2 g/l at 20 °C (68 °F)  
**Melting Point:** < -80 °C (< -112 °F)  
**Water Solubility (%):** N/A  
**Flash Point (°C):** N/A  
**Vapor pressure:** 107.46 hPa at 20 °C (68 °F) - OECD Test Guideline 104  
**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 acids, heat flames, sparks.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** LC50 Inhalation - Rat - male and female - 4 h - 1.1 - 2.5 mg/l (OECD Test Guideline 403)

**Ingestion:** LD50 Oral - Rat - 280 mg/kg

**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: 3286 Class: 3 (6.1, 8) Packing group: II

Proper shipping name: Flammable liquid, toxic, corrosive, n.o.s. (1-methylpyrrolidine)

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

**IMDG**

UN number: 3286 Class: 3 (6.1, 8) Packing group: II EMS-No: F-E, S-C

Proper shipping name: FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (1-methylpyrrolidine)

Marine pollutant: yes

**IATA**

UN number: 3286 Class: 3 (6.1, 8) Packing group: II

Proper shipping name: Flammable liquid, toxic, corrosive, n.o.s. (1-methylpyrrolidine)

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on: 5/26/2022

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