



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: N,N-Dimethylacetamide-d<sub>9</sub>  
Catalog number: D335

**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:**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 4), H227  
Acute toxicity, Inhalation (Category 4), H332  
Acute toxicity, Dermal (Category 4), H312  
Eye irritation (Category 2A), H319  
Carcinogenicity (Category 2), H351  
Reproductive toxicity (Category 1B), H360

**Signal Word:**

Danger

**Hazard Statements:**

**GHS Hazards Identification**

H227 Combustible liquid.  
H312 + H332 Harmful in contact with skin or if inhaled.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.  
H360 May damage fertility or the unborn child.

**Pictogram:**



**Precautionary Statements:**

P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.



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P363 Wash contaminated clothing before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
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,N-Dimethylacetamide-d<sub>9</sub>

**Synonyms:**

N/A

**CAS number:**

16727-10-9

**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 and store at 20°C 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:** Colorless liquid

**Odor:** N/A

**pH:** N/A

**Melting Point:** N/A

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

**Flash Point (°C):** N/A

**Vapor pressure:** N/A

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



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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.

### SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation: LC50 Inhalation - Rat - 1 h - 8.97 mg/l

Ingestion: LD50 Oral - Rat - male and female - 5,830 mg/kg

Skin and eye contact: LD50 Dermal - Rabbit - 2,240 mg/kg

Other :N/A

### SECTION 12. ECOLOGICAL INFORMATION

#### Toxicity

LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h

EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h

IC50 - Desmodemus subspicatus (green algae) - > 500 mg/l - 72 h

EC50 - Bacteria - > 2,000 mg/l - 30 min

### 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)

NA-Number: 1993 Class: NONE Packing group: III

Proper shipping name: Combustible liquid, n.o.s. (N,N-dimethylacetamide-d<sub>9</sub>)

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

### SECTION 15. REGULATORY INFORMATION

N/A

### SECTION 16. OTHER INFORMATION

Preparation information: Last revised on 6/29/2022.

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