



## **MEDICAL ISOTOPES, Inc.**

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### **SAFETY DATA SHEET**

#### **SECTION 1. Identification**

**Product:**

Product Name: 1-Bromopropane-d7  
Catalog number: D2761

**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 Chemtrec 24/7  
DOMESTIC NORTH AMERICA 800-424-9300  
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

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

**Hazard classification:**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
Flammable liquids (Category 2), H225  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Carcinogenicity (Category 2), H351  
Reproductive toxicity (Category 1B), H360  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, Central nervous system, H335, H336  
Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Liver, Central nervous system, H373  
Acute aquatic toxicity (Category 3), H402  
Chronic aquatic toxicity (Category 3), H412

**Signal Word:**

Danger

**Hazard Statements:**

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H360 May damage fertility or the unborn child.  
H373 May cause damage to organs (Liver, Central nervous system) through prolonged or repeated exposure if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

**Pictogram:**

N/A

**Precautionary Statements:**

P201 Obtain special instructions before use.  
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.  
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.



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P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
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.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
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:

1-Bromopropane-d7

#### Synonyms:

N/A

#### CAS number:

61909-26-0

#### 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.

### 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.



## **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:** 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

**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**

**LD50 Oral** - Rat - male - 4,260 mg/kg

**LC50 Inhalation** - Rat - male and female - 4 h - 14374 ppm  
(OECD Test Guideline 403)

**LD50 Dermal** - Rabbit - male and female - 135,000 mg/kg  
(OECD Test Guideline 402)

**LD50 Intraperitoneal** - Rat - 2,950 mg/kg Other:N/A

## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - 24.3 mg/l - 96 h  
(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 99.3 mg/l - 48 h  
(OECD Test Guideline 202)

Toxicity to algae static test NOEC - Pseudokirchneriella subcapitata - 12.4 mg/l - 96 h  
(OECD Test Guideline 201)

Toxicity to bacteria Respiration inhibition EC50 - Sludge Treatment - 270 mg/l - 5 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)**

UN number: 2344 Class: 3 Packing group: II

Proper shipping name: Bromopropanes

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

**IMDG**

UN number: 2344 Class: 3 Packing group: II EMS-No: F-E, S-D

Proper shipping name: BROMOPROPANES

**IATA**

SDS



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UN number: 2344 Class: 3 Packing group: II  
Proper shipping name: Bromopropanes

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

N/A

### **SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 05/19/17

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