



## **MEDICAL ISOTOPES, Inc.**

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### **SAFETY DATA SHEET**

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

**Product:**

Product Name: Benzene-d<sub>6</sub>

Catalog number: D2046

**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:**

Flammable liquids (Category 2), H225

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Germ cell mutagenicity (Category 1B), H340

Carcinogenicity (Category 1A), H350

Aspiration hazard (Category 1), H304

**Signal Word:**

Danger

**Hazard Statements:**

H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer.

**Pictogram:**



**Precautionary Statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P264 Wash skin thoroughly after handling.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

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:**

Benzene-d<sub>6</sub>

**Synonyms:**

Hexadeuterobenzene

**CAS number:**

1076-43-3

**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, under inert gas. Hygroscopic.

#### 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:** 6.8 °C

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

**Flash Point (°C):** -11

**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, acids, bases, halogens, metal salts, heat, flames, sparks.

#### SECTION 11. TOXICOLOGICAL INFORMATION

**Inhalation:** N/A

**Ingestion:** N/A

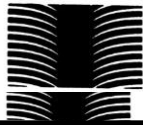
**Skin and eye contact:** N/A

**Other:** N/A

#### SECTION 12. ECOLOGICAL INFORMATION

N/A

#### SECTION 13. DISPOSAL CONSIDERATIONS



## ***MEDICAL ISOTOPES, Inc.***

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

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

**IATA**

**UN number:** 1114

**Class:** 3

**Packing group:** II

**Proper shipping name:** Benzene

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

N/A

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

Preparation information: Last revised on 8/25/2015.

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