



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

100 Bridge Street, Pelham, NH 03076, USA

Tel: (603) 635-2255 Fax: (603) 635-2448

E-mail: [info@medicalisotopes.com](mailto:info@medicalisotopes.com) Internet: [www.medicalisotopes.com](http://www.medicalisotopes.com)

### **SAFETY DATA SHEET**

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

**Product:**

Product Name: Benzaldehyde-2,3,4,5,6-d5  
Catalog number: D15527

**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 4), H227  
Acute toxicity, Oral (Category 4), H302  
Short-term (acute) aquatic hazard (Category 2), H401  
Long-term (chronic) aquatic hazard (Category 2), H411

**Signal Word:**

Warning

**Hazard Statements:**

H227 Combustible liquid.  
Acute toxicity, Oral (Category 4), H302  
Short-term (acute) aquatic hazard (Category 2), H401  
Long-term (chronic) aquatic hazard (Category 2), H411

**Pictogram:**



**Precautionary Statements:**

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel well. Rinse mouth.  
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.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards:**

None

#### **SECTION 3. Composition/Information on Ingredients**

**Chemical name:**

Benzaldehyde-2,3,4,5,6-d5

**Synonyms:**

N/A

**CAS number:**

14132-51-5

**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.

#### **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:** 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, strong reducing agents, strong bases, alkali metals, aluminum, iron, phenols, oxygen.

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** N/A

**Ingestion:** LD50 Oral - Rat - 1,300 mg/kg

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

**Other:** N/A

#### **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity to fish LC50 - *Lepomis macrochirus* - 1.07 mg/l - 96.0 h

LOEC - *Pimephales promelas* (fathead minnow) - 0.45 mg/l - 7.0 d

NOEC - *Pimephales promelas* (fathead minnow) - 0.22 mg/l - 7.0 d

LC50 - *Leuciscus idus* (Golden orfe) - 62 mg/l - 48.0 h

#### **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: 1990 Class: 9 Packing group: III

Proper shipping name: Benzaldehyde

Reportable Quantity (RQ):

**IMDG**

UN number: 1990 Class: 9 Packing group: III EMS-No: F-A, S-A

Proper shipping name: BENZALDEHYDE

**IATA**

UN number: 1990 Class: 9 Packing group: III

Proper shipping name: Benzaldehyde.

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on: 12/13/2022

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