



MEDICAL ISOTOPES, Inc.

100 Bridge Street, Pelham, NH 03076, USA
Tel: (603) 635-2255 Fax: (603) 635-2448
E-mail: info@medicalisotopes.com Internet: www.medicalisotopes.com

SAFETY DATA SHEET

SECTION 1. Identification

Product:

Product Name: n-Hexanal-d₁₂
Catalog number: D2201

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

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 3), H226

Signal Word:

Warning

Hazard Statements:

H226 Flammable liquid and vapor.

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.
P280 Wear protective gloves/ eye protection/ face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards:

None

SECTION 3. Composition/Information on Ingredients

Chemical name:

n-Hexanal-d₁₂

Synonyms:

N/A

CAS number:

1219803-74-3

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 dry powder, or dry sand. Do **NOT** use water jet.

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 2-8 °C in refrigerator.

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: Clear, colorless liquid

Odor: N/A

pH: N/A

Melting Point: N/A

Water Solubility (%): N/A

Flash Point (°C): 25 °C

Vapor pressure: 13 hPa at 25 °C

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, heat, flames, sparks.

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation: N/A

Ingestion: LD50 Oral - Rat - 4,890 mg/kg

Skin and eye contact: N/A

Other: N/A

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish LC0 - Pimephales promelas (fathead minnow) - 22 mg/l - 96 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: 1207 Class: 3 Packing group: III
Proper shipping name: Hexaldehyde
Poison Inhalation Hazard: No

IMDG

UN number: 1207 Class: 3 Packing group: III EMS-No: F-E, S-D
Proper shipping name: HEXALDEHYDE

IATA

UN number: 1207 Class: 3 Packing group: III

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

Preparation information: Last revised on: 8/2/21

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