



MEDICAL ISOTOPES, Inc.

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SAFETY DATA SHEET

SECTION 1. Identification

Product:

Product Name: Lithium-7 in Metal Form
Catalog number: 3134

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:

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

Substances and mixtures, which in contact with water, emit flammable gases (Category 1), H260

Skin corrosion (Category 1B), H314

Serious eye damage (Category 1), H318

Signal Word:

Danger

Hazard Statements:

GHS Hazards Identification

H260 In contact with water releases flammable gases which may ignitespontaneously.

H314 Causes severe skin burns and eye damage.

Pictogram:



Precautionary Statements:

P231 + P232 Handle under inert gas. Protect from moisture.

P264 Wash skin thoroughly after handling.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a positioncomfortable for breathing.

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

P310 Immediately call a POISON CENTER or doctor/ physician.

Other hazards:

None

SECTION 3. Composition/Information on Ingredients

Chemical name:

Lithium-7

Synonyms:

N/A

CAS number:

N/A

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
DO NOT USE WATER, SAND OR CARBON DIOXIDE. Use graphite, Lith-X (Ansul). If not available, use dry sodium chloride, dry (anhydrous) calcium oxide, dry lithium chloride.
Special protective equipment for firefighters
Wear self contained breathing apparatus for fire-fighting if necessary.
Hazardous combustion products:Lithium oxide.

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 in Mineral Oil

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: Solid
Odor: N/A
pH: N/A
Melting Point:180.5°C
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, moisture, acids, oxygen, nitrogen, carbon dioxide.

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

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



regulations.

SECTION 14. TRANSPORT INFORMATION

IATA

UN number: 1415

Class: 4.3

Packing group: I

Proper shipping name: Lithium

IATA Passenger: Not permitted for transport

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

Preparation information: Last revised on 3/16/21

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