



MEDICAL ISOTOPES, Inc.

100 Bridge Street, Pelham, NH 03076, USA

Tel: (603) 635-2255 Toll Free: (800) 374-9513 Fax: (603) 635-2448

E-mail: info@medicalisotopes.com Internet: www.medicalisotopes.com

SAFETY DATA SHEET

SECTION 1. Identification

Product:

Product Name: Trichloroacetic acid-1-¹³C
Catalog number: C108456

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

Emergency Contact Information:

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

Suitability:

For laboratory use only.

SECTION 2. Hazard(s) identification

Hazard classification:

Skin corrosion (Category 1A), H314
Serious eye damage (Category 1), H318
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

Signal Word:

Danger

Hazard Statements:

H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Pictogram:



Precautionary Statements:

P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection.
P301/P330/P331 IF SWALLOWED: rinse mouth. Do not induce vomiting.
P303/P361/P353 IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact 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:

Trichloroacetic acid-1-¹³C



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Synonyms:

N/A

CAS number:

173470-69-4

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, hydrogen chloride.

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 container tightly closed in a dry location. 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: Solid

Odor: N/A

pH: N/A

Melting Point: 54-58 °C

Water Solubility (%): N/A

Flash Point (°C): 113 °C

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: Avoid moisture. Stable under recommended storage conditions



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Conditions to Avoid: Strong bases, Strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation: N/A

Ingestion: LDL Oral – rat 3,320 mg/kg

Skin and eye contact: Eyes – rabbit; Severe eye irritation – 5.00 s

Other: N/A

SECTION 12. ECOLOGICAL INFORMATION

Toxicity to fish: LC50 – Pimephales promelas (fathead minnow) – 2 mg/L – 96h

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: 1839 Class 8 Packing group: II

Proper shipping name: Trichloroacetic acid

IMDG

UN number: 1839 Class 8 Packing group: II

Proper shipping name: TRICHLOROACETIC ACID, SOLID

IATA

UN number: 1839 Class 8 Packing group: II

Proper shipping name: Trichloroacetic acid

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

Preparation information: Last revised on 3/2/17

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