



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: 2,2,2-Trichloroethanol-¹³C₂,d₂
Catalog number: CD31600

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:

Acute Toxicity, Oral (Category 4), H302
Serious Eye Irritation (Category 1), H318
Specific Target Organ Toxicity, Single Exposure (Category 3), Central nervous system, H336

Signal Word:

Danger

Hazard Statements:

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H335 May cause drowsiness or dizziness.

Pictogram:**Precautionary Statements:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P301/P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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

Other hazards:

None

SECTION 3. Composition/Information on Ingredients

Chemical name:

2,2,2-Trichloroethanol-¹³C₂,d₂

Synonyms:

Trichloroethyl alcohol-¹³C₂,d₂

CAS number:

1216995-48-0



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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, nitrogen 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 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: Liquid

Odor: N/A

pH: N/A

Melting Point: 17-18 °C

Water Solubility (%): N/A

Flash Point (°C): 110 °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: Stable under recommended storage conditions

Conditions to Avoid: Strong acids, Strong bases, Strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation: N/A



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Ingestion: LDL Oral – rat 500 mg/kg

Skin and eye contact:N/A

Other:N/A

SECTION 12. ECOLOGICAL INFORMATION

Toxicity to fish: LC50 – Lepomis macrochirus (Bluegill) – 201 mg/L – 96h

Toxicity to daphnia: EC50 – Daphnia magna (Water flea) – 198 – 310 mg/L – 48 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)

Not Hazardous Good

IMDG

Not Hazardous Good

IATA

Not Hazardous Good

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

Preparation information: Last revised on 3/2/17

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