



MEDICAL ISOTOPES, Inc.

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SAFETY DATA SHEET

SECTION 1. Identification

Product:

Product Name: Tri-n-butyl-d₂₇-tin Chloride
Catalog number: D2617

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.

SECTION 2. Hazard(s) identification

Hazard classification:

Acute Toxicity, Oral (Category 3)
Acute Toxicity, Dermal (Category 4)
Skin Irritation (Category 2)
Serious Eye Damage (Category 1)
Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Irritation (Category 3)

Signal Word:

Warning

Hazard Statements:

H301 Toxic if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Pictogram:



Precautionary Statements:

P264 Wash skin thoroughly after handling.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

Other hazards:

None

SECTION 3. Composition/Information on Ingredients

Chemical name:

Tri-n-butyl-d₂₇-tin Chloride

Synonyms:

Tributyltin Chloride-d₂₇

CAS number:

1257647-76-9

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.



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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, tin 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 tightly closed in a dry and well-ventilated place. Store at 2-8 °C under inert gas. Moisture sensitive.

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: Colorless Oil

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.

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation: N/A

Ingestion: LD50 oral – rat 129 mg/kg

Skin and eye contact: N/A

Other: N/A

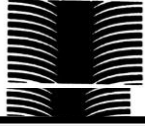
SECTION 12. ECOLOGICAL INFORMATION

Toxicity to Fish: LC50 - *Oncorhynchus mykiss* (rainbow trout) - 0.011-0.015 mg/l - 96h

Toxicity to Aquatic Invertebrates: EC50 - *Daphnia magna* (Water flea) - 0.018 mg/l - 48h

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: 2788

Class: 6.1

Packing Group: II

Proper Shipping Name: Organotin compound, liquid, n.o.s. (Tributyltin chloride)

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

Preparation information: Last revised on 8/11/2015.

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