



Humco Holding Group, Inc.
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800-662-3435
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24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300

All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: LIOTHYRONINE SODIUM, USP (T3)

SDS NO. 8072

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liothyronine Sodium, USP (T3)

Synonyms: N/A

Recommended Use: Active Pharmaceutical Ingredient

Manufacturer by: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Eye Irritant (Category 2) Reproductive Toxicity (Category 2) Skin Corrosion/Irritant (Category 2) Specific Target Organ Toxicity- Single Exposure (Category 3)
Signal Word:	Warning
Hazard Statements:	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements	Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Use in a well ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
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3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
LIOETHYRONINE SODIUM, USP (T3)	55-06-1

4. FIRST-AID MEASURES

IN CASE OF EYE CONTACT: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists seek medical aid.

IN CASE OF SKIN CONTACT: Wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists seek medical aid. Wash contaminated clothing before reusing.

IF SWALLOWED: Immediately call a doctor. Do not induce vomiting

IF INHALED: Remove to fresh air. Seek medical aid.

SYMPTOMS AND EFFECTS: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

5. FIRE-FIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Not available

FLAMMABLE PROPERTIES: May be combustible at high temperature

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO@...), halogenated compounds.

EXTINGUISHING MEDIA: Small fire: dry chemical powder. Large fire: Water spray, fog or foam. Do not use water jet.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

ENVIRONMENTAL PRECAUTIONS: Take steps to release into the environment, if safe to do so.

METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure.

STORAGE CONDITIONS: Store in a cool, well ventilated place. Keep container tightly closed. Store locked up.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

USAGE: Safety glasses. Lab coat. Dust respirator. Protective gloves.

LARGE SPILLS: Splash goggles, full suit, dust respirator, boots, gloves. SCBA should be used to avoid inhalation of the product.

SPECIFIC ENGINEERING CONTROLS: Adequate mechanical ventilation. Fume hood, eye wash station, and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Crystalline solid	Upper/Lower Flammability:	Not determined
Odor:	Not determined	Vapor Pressure	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH:	Not determined	Relative Density:	Not determined
Melting point /Freezing Point:	Not determined	Solubilities:	Water- very Alcohol- slightly Other organics- practically insoluble

Boiling point/range:	Not determined	Partition coefficient: n-octanol/water:	Not determined
Flash point	Not determined	Auto-ignition temperature	Not determined
Evaporation rate	Not determined	Decomposition Temperature:	Not determined
Flammability:	Not determined	Viscosity	Not determined

10. STABILITY AND REACTIVITY

REACTIVITY: Stable under recommended transport/storage conditions.

STABILITY: Stable under recommended transport/storage conditions.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur.

HAZARDOUS POLYMERIZATION: Will not occur.

POSSIBILITY OF HAZARDOUS REACTION: Not established.

CONDITIONS TO AVOID: Heat, light, moist air.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Eye contact, ingestion, inhalation.

TOXICITY TO ANIMALS: LD50- Not available.

LC50- Not available.

CHRONIC EFFECTS ON HUMANS: Not available.

OTHER TOXIC EFFECTS ON HUMANS: Very hazardous in case of skin contact (irritant).
Hazardous in case of ingestion (lung irritant).
Slightly hazardous in case of skin contact (permeator).

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Avoid release into the environment.
Chemical degradation:	Not determined.
Biodegradation:	Short term degradation products are not likely. Long term degradation products may arise.
Bioaccumulation potential	Not determined.
Adsorption studies or leaching studies:	Not determined.
Other adverse effects	Not determined.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Not applicable
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group number:	Not applicable
Environmental hazards:	Not applicable
Special precautions:	Not applicable

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss, damage, or expenses arising from improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission. Various agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.