



Humco Holding Group, Inc.
7400 Alumax Dr
Texarkana TX 75501 USA
800-662-3435
cs@humco.com
www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300

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

NAME: (T3) LIOTHYRONINE SODIUM DILUTION 0.1% SDS NO. 6560

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: (T3) Liothyronine Sodium Dilution 0.1%

Synonyms: T3/Microcrystalline Cellulose/Anhydrous Dibasic Calcium Phosphate Mixture

Recommended Use: Active Pharmaceutical Ingredient

Manufacturer by: Humco Holding Group, Inc.


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2. HAZARD IDENTIFICATION

Pictogram:	 Irritant
Classification:	Reproductive Toxicity (Category 2) Specific Target Organ Toxicity- Repeated Exposure (Category 1)
Signal Word:	Warning
Hazard Statements:	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Precautionary Statements	Wash thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection. Do not breathe dust / fumes / gas / mist / vapors / spray. Use only outdoors or in a well ventilated area.

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
MICROCRYSTALLINE CELLULOSE	9004-34-6
ANHYDROUS DIBASIC CALCIUM PHOSPHATE	7757-93-9
(T3) LIOTHYRONINE SODIUM, USP	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. If irritation persists, seek medical aid. Wash contaminated clothing before reusing.

IF SWALLOWED: Rinse out mouth and the drink plenty of water.

IF INHALED: Remove to fresh air. If irritation persists, seek medical aid.

SYMPTOMS AND EFFECTS: No further relevant information available.

5. FIRE-FIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: See below (Hazardous Combustion Products).

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO@...), some metallic oxides.

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: Wear protective equipment. Keep unprotected persons away. Use respiratory protective devices against the effects of fumes/dust/aerosol. Keep away from ignition sources. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter sewers/surface or ground water.

METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP: Pick up mechanically.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: No special precautions are necessary, if used correctly.

STORAGE CONDITIONS: Store refrigerated (2-8 °C). Keep container tightly closed. Store locked up.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

USAGE: Safety glasses. Lab coat. Dust respirator (F1-rated). Protective gloves that are impermeable to the product.

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:	White to Off-White to Slightly Beige Colored Free-Flowing Powder	Upper/Lower Flammability:	Not Available
Odor:	Characteristic	Vapor Pressure	Not Available
Odor Threshold:	Not Available	Vapor Density:	Not Available
pH:	Not Available	Loose Bulk Density:	0.25 – 0.40 g/cc
Melting point /Freezing Point:	Not Available	Solubility:	Not Available
Boiling point/range:	Not Available	Partition coefficient: n-octanol/water:	Not Available
Flash point	Not Available	Auto-ignition temperature	340C
Evaporation rate	Not Available	Decomposition Temperature:	Not Available
Flammability:	Not Available	Viscosity	Not Available

10. STABILITY AND REACTIVITY

REACTIVITY: Stable under recommended transport/storage conditions.

STABILITY: Stable under recommended transport/storage conditions.

MATERIALS TO AVOID: Strong acids, alkalis and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen iodide and other gases may occur.

HAZARDOUS POLYMERIZATION: Will not occur.

POSSIBILITY OF HAZARDOUS REACTION: Not available.

CONDITIONS TO AVOID: Heat, light, incompatible materials.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Eye contact, ingestion, inhalation.

TOXICITY TO ANIMALS: LD50- >10,000 mg/kg (rat).

LC50- Not available.

CHRONIC EFFECTS ON HUMANS: May cause adverse reproductive effects (Maternal effects on fertility, fetotoxicity) and birth defects, based on animal data.

OTHER TOXIC EFFECTS ON HUMANS: Skin- May cause skin irritation.

Eyes- May cause eye irritation by mechanical action.

Inhalation- May cause respiratory tract irritation.

Ingestion- May cause digestive tract irritation. May affect metabolism, thyroid, urinary system, behavior (excitement, headache, coma), cardiovascular system (increased pulse rate).

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. The product itself and its products of degradation are not toxic.
Bioaccumulation potential	Not available.
Adsorption studies or leaching studies:	Not available.
Other adverse effects	Not available.

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.