



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. TT 160  
Effective Date May 24, 1999

## SECTION V HEALTH HAZARD DATA

TT 160

### Threshold Limited Value

None established by (ACGIH 1992-93).

### Effects of Overexposure

**INHALATION:** Harmful if inhaled. Specific data is not available. **EYES:** No specific hazard known. However, any material that contacts the eye, may be irritating. **SKIN:** Harmful if absorbed through the skin. **INGESTION:** May be harmful if swallowed. Toxic doses induce unpleasant but transient symptoms that resemble thyrotoxicosis (thyroid storm). Pre-existing cardiac disease may increase risk from this compound.

### Emergency and First Aid Procedures

**INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and induce vomiting. Repeat until vomit fluid is clear. Call physician at once. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat. Light and moisture.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Thermal decomposition or combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen and hydrogen iodide gas.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Wearing proper safety equipment (dust mask, proper gloves, ventilation, etc.) carefully sweep up and place in a suitable container for disposal by incineration. Wash spill area with soap and water.
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Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  Dispose of in an approved incinerator equipped with an afterburner and scrubber.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or organic vapor respirator.		
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Ventilation	Local Exhaust	If needed to control dust.	Special	No.
	Mechanical (General)	If needed to control dust.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, lab coat, apron, proper gloves, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place, preferably below +15°C (59°F). Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Do not breathe dust. Use with adequate ventilation. <small>Keep container tightly closed when not in use.</small>
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Protect from light and moisture. Do not take internally. Not for drug use. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 6	Date 5/24/99	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	L-THYROXINE, SODIUM SALT
Chemical Synonyms	Sodium Levothyroxine, Pentahydrate
Formula	C <sub>15</sub> H <sub>10</sub> I <sub>4</sub> NO <sub>4</sub> Na•5H <sub>2</sub> O
Unit Size	up to 2.5 Kg.
C.A.S. No.	6106-07-6

**CHEMTREC**  
800-424-9300  
Day 716-226-6177

Health	2
Fire	0
Reactivity	0

**NFPA HAZARD RATING**

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

**HMIS \***

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
L-Thyroxine, Sodium Salt	>98%	None established.
<b>WARNING! MAY BE HARMFUL IF SWALLOWED,</b>		
<b>INHALED OR ABSORBED THROUGH SKIN. CAN</b>		
<b>CAUSE DELAYED ADVERSE HEALTH EFFECTS.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	207-210°C (404°-410°F) dec.	Specific Gravity (H <sub>2</sub> O = 1)	2.381 at 20°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( =1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	15 milligrams per 100 mL. water at 25°C.		
Appearance & Odor	White to cream colored crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Data not listed.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide (CO <sub>2</sub> ); dry chemical.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent skin and eye contact.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react with oxidizing materials.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20