



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### LITHIUM STEARATE

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: Lithium Stearate

CAS #: 4485-12-5

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Lithium Stearate 99% min.

#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Fine white powder with mild fatty odor with little or no known hazards.

POTENTIAL HEALTH EFFECTS: Dust may produce discomfort to the eyes, nose or throat.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

#### SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water for 15 minutes.

**Skin:** Wash off with soap and water.

**Inhalation:** Remove to the fresh air.

**Ingestion:** Wash out mouth, then dilute by drinking several glasses of water.

**With All Of The Above:** Consult a physician if symptoms persist.

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## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: > 500°F (PMCC)

Flammable Limits: Unknown

Extinguishing Media: Water Spray, CO<sub>2</sub>, Fog, Dry Chemical

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: None

Auto Ignition Temperature: Not Applicable

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

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## **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

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## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: Particulates not otherwise regulated.

Total dust TWA: 15 mg/m<sup>3</sup>. Respirable Fraction 5 mg/m<sup>3</sup> (OSHA)

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 1.01

Bulk Density: 0.15 0.30 g/cc

Percent Volatile by Volume (%): 1.0% (Moisture)

Melting Point: 195 - 210°C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Insoluble

pH: Not Applicable

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## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, lithium oxide.

KEEP AWAY FROM: Flame and strong oxidizing agents.

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Not Available

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## **SECTION 12 - ECOLOGICAL INFORMATION**

Not available

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## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Lithium Stearate

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Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME:.....Lithium Stearate Not Regulated

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**SECTION 15 - REGULATORY INFORMATION**

TSCA (TOXIC SUBSTANCE CONTROL ACT):  
This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Not Considered a Hazard.

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**SECTION 16 - OTHER INFORMATION**

HMIS Rating	Health	1
	Flammability	1
	Reactivity	0

Reason for Issue: Changed Date

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