

**LI 700**

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300**

**For Exposure or Medical Emergencies, call 1-800-228-5635 extension 136**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****FORMULATED FOR:**

Loveland Industries, Inc.  
PO Box 1289  
Greeley, CO 80632

24 Hour Emergency Phone: 1-800-424-9300

Medical Emergencies: 1-800-228-5635 ext. 136

**PRODUCT NAME:** LI 700

**CHEMICAL NAME:** Mixture of Lecithin, propionic acid, surfactant (liquid detergent) and water

**CHEMICAL FAMILY:** Mixture of Surfactants (liquid detergent)

**Date of issue:** 05/01/2000

**Supersedes:** 05/19/94

**2. COMPOSITION, INFORMATION ON INGREDIENTS**

Component:	Percentage	TLV (Units)
Propionic Acid (CAS # 79-09-4)	35	ACGIH 10 ppm/TWA 15 ppm/15 min STEL
Other Ingredients	65	None established - Not listed as hazardous components

**3. HAZARDS IDENTIFICATION SUMMARY**

**DANGER: LIQUID CAUSES SKIN AND EYE INJURY. KEEP OUT OF REACH OF CHILDREN.**

LI 700 is a non-ionic, low foam surfactant. This product is a dark brown liquid, with a vinegar-like odor.

Primary routes of entry: Eyes, inhalation and skin contact. See Section 8 for Proper Personal Protective Equipment

**4. FIRST AID MEASURES**

**Eyes:** Flush eyes with water for 15 minutes, get medical attention.

**Skin:** Wash with soap and water, remove contaminated clothing. Get medical attention.

**Inhalation:** Remove victim to fresh air. If victim has difficulty breathing, seek medical attention.

**Ingestion:** Drink 2 glasses of water, induce vomiting. Call a physician immediately.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT (°F/Test method):** > 210 (T.C.C.)

**FLAMMABLE LIMITS(LEL & UEL):** None established

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical and water spray

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear a positive pressure self-contained breathing apparatus with proper protective gear.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** None

**6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Use proper protection equipment, see section 8. Pick up the material with absorbent material and place in a container for proper disposal in accordance with local, state and federal regulations.

**7. HANDLING AND STORAGE**

**PRECAUTIONS:** Keep out of reach of children. This material may cause skin and eye injury. Store in a cool dry place. Keep unused material in original container, do not reuse the empty container.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION EQUIPMENT**

**ENGINEERING CONTROLS:** Work in well-ventilated area, local exhaust may be required if working in confined space.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respirator for pesticide handling.

**PROTECTIVE GLOVES:** Wear rubber or impervious gloves.

**EYE PROTECTION:** Wear safety goggles or a face shield.

**OTHER PROTECTION:** Long sleeved shirt, long pants, shoes with socks.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** A dark brown liquid with vinegar like odor

**BULK DENSITY:** 8.58 lbs./gal

**pH:** (neat) 3.0

**SOLUBLE IN WATER:** Miscible, forms emulsion

**SPECIFIC GRAVITY (Water 1.0):** 1.03 grams/ ml

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

**INCOMPATIBILITY(Materials to avoid):** Strong oxidizers

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** High alkaline conditions

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known

**11. TOXICOLOGICAL INFORMATION**

**Primary Eye and Dermal irritation** studies indicate skin and eye injury may occur from contact with undiluted product.

**Acute Oral - LD<sub>50</sub>** is > 5.0 g/kg.

**Acute Dermal - LD<sub>50</sub>** is > 5.0 g/kg.

**Acute Inhalation - LC<sub>50</sub>** is > 6.04 mg/L.

**12. ECOLOGICAL INFORMATION**

**Aquatic Acute Toxicity -** Material will form emulsion with water.

	24 HR LC50	48 HR LC50	96 HR LC50	96 HR No Effect
Rainbow Trout	140 mg / L	130 mg / L	130 mg / L	< 100 mg / L
Bluegill Sunfish	220 mg / L	210 mg / L	210 mg / L	100 mg / L
				48 HR No Effect
Daphnia Magna	450 mg / L	170 mg / L		100 mg / L

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Do not contaminate water, food or feed by disposal or storage. Dispose of in an approved waste disposal facility in accordance with local, state and federal regulations.

**CONTAINER DISPOSAL:** Triple rinse adding rinse water to spray tank. Offer containers for recycling or dispose of in an approved landfill.

**14. TRANSPORT INFORMATION**

This material is not regulated by US DOT for highway transportation.

**15. REGULATORY INFORMATION**

**SARA Hazard Notification/Reporting:** None

**California Proposition 65:** This product does not contain any components that are regulated.

**SARA TITLE III Hazard Category:**

Immediate YES

Delayed NO

Fire NO

Reactive NO

Sudden Release of Pressure NO

Extremely Hazardous Substance NO

**16. OTHER INFORMATION**

**NFPA / HMIS Hazard Rating:**

0 None	2 Health
1 Slight	0 Flammability
2 Moderate	1 Reactivity
3 High	
4 Severe	

**Reviewed by: Environmental/Regulatory Services Prepared by:**

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