

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

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**FORMULATED FOR:**

LOVELAND PRODUCTS, INC.  
P.O. Box 1286 • Greeley, CO 80632-1286

**24-Hour Emergency Phone:** 1-800-424-9300  
**Medical Emergencies:** 1-800-301-7976  
**U.S. Coast Guard National Response Center:** 1-800-424-8802

**PRODUCT NAME:** LI 700®  
**CHEMICAL NAME:** Blend of Methylacetic Acid, processed Lecithin and surfactant  
**CHEMICAL FAMILY:** Surfactant  
**PCP REG. NO.:** 23026  
**MSDS Number:** 23026-09-LPI      **MSDS Revisions:** All sections reviewed      **Date of Issue:** 12/14/09      **Supersedes:** 12/14/06

**2. HAZARDS IDENTIFICATION SUMMARY**

**KEEP OUT OF REACH OF CHILDREN - DANGER.** LIQUID CAUSES SKIN AND EYE IRRITATION. Wear eye protection and chemical resistant gloves.  
**WARNING:** Contains the allergen soy.

This product is a dark brown liquid with pungent odor. Primary routes of entry are Inhalation, eye contact and skin contact.

**3. COMPOSITION, INFORMATION ON INGREDIENTS**

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Surfactant Blend, contains	80.00	Mixture	not listed
Methylacetic Acid		79-09-4	30 mg/m <sup>3</sup>
Inert Ingredients	20.00		

This product is hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**4. FIRST AID MEASURES**

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. Call a poison control center or doctor for treatment advice.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT (°F/Test Method):** >212°F (100°C) / TCC  
**FLAMMABLE LIMITS (LFL & UFL):** Not established  
**EXTINGUISHING MEDIA:** Considered non-combustible; dry chemical, carbon dioxide, alcohol foam, foam, water spray or fog.  
**HAZARDOUS COMBUSTION PRODUCTS:** May produce hazardous by-products.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear. Avoid using heavy streams of water.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**  
Release or Spill: Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved pesticide respirator or air-supplied respirator.  
  
For spills: Spills may be collected with absorbent material and placed in a container for proper disposal in accordance with Federal, State and Local Regulations. Prevent runoff from entering sewer drains and waterways.

**7. HANDLING AND STORAGE**

**HANDLING:** Avoid eye and skin contact. Use with ventilation and avoid breathing vapors.  
**STORAGE:** Store above 40°F/4.4°C. Protect from freezing. Store in a cool, dry place. Store in original container. Keep container tightly closed. Do not contaminate water, food or feed by storage or disposal.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Local ventilation recommended. Work in well-ventilated area or outdoors.  
**RESPIRATORY PROTECTION:** Wear a NIOSH approved respirator if necessary or if vapors exceed TLV (threshold limit value).  
**EYE PROTECTION:** Chemical goggles or shielded safety glasses.  
**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

Propionic Acid	<b>OSHA PEL 8 hr TWA</b> not listed	<b>ACGIH TLV-TWA</b> 30 mg/m <sup>3</sup>
----------------	--	--

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** Dark brown liquid with pungent odor. **SOLUBILITY:** Miscible  
**SPECIFIC GRAVITY (Water = 1):** 1.035 g/ml **BULK DENSITY:** 8.64 lbs/gallon **pH:** 3.6 (1% solution)  
**VAPOR PRESSURE:** not established **BOILING POINT:** not established  
**PERCENT VOLATILE (by volume):** not established **EVAPORATION RATE:** not established  
 Note: These physical data are typical values based on material tested but may vary from sample to sample.  
 Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** High alkaline conditions.  
**INCOMPATIBILITY:** Strong oxidizers.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute Oral LD<sub>50</sub> (male rat):** > 5.0 g/kg **Acute Dermal LD<sub>50</sub> (rat):** > 5.0 g/kg  
**Eye Irritation (rabbit):** Severe irritant **Skin Irritation (rabbit):** Severely irritating  
**Inhalation LC<sub>50</sub> (rat):** > 6.04 mg/L (4 hr) **Skin Sensitization (guinea pig):** Not a sensitizer.  
**Carcinogenic Potential:** Nothing listed in IARC, ACGIH, NTP or OSHA.

**12. ECOLOGICAL INFORMATION**

Aquatic Acute Toxicity	<u>24 HR LC<sub>50</sub></u>	<u>48 HR LC<sub>50</sub></u>	<u>96 HR LC<sub>50</sub></u>	<u>96 HR No Effect</u>
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
				<u>48 HR No Effect</u>
Daphnia Magna	450 mg/L	170 mg/L		100 mg/L

**13. DISPOSAL CONSIDERATIONS**

Do not reuse product containers. Triple rinse (or equivalent), adding rinse water to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

**14. TRANSPORT INFORMATION**

**DOT/TDG Shipping Description:** NOT REGULATED  
**U.S. Surface Freight Classification:** ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)  
 Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

**15. REGULATORY INFORMATION**

<b>NFPA &amp; HMIS Hazard Ratings:</b>	NFPA		HMIS
	2 Health	0 Least	2 Health
	1 Flammability	1 Slight	1 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	G PPE
		4 Severe	

**SARA Hazard Notification/Reporting**

**SARA Title III Hazard Category:** Immediate Y Fire N Sudden Release of Pressure N  
 Delayed N Reactive N

**Reportable Quantity (RQ) under U.S. CERCLA:** Propionic Acid (CAS: 79-09-4) 5000 pounds

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

**CA Proposition 65:** Not listed

**16. OTHER INFORMATION**

**MSDS STATUS:** All sections reviewed and/or revised

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental/ Regulatory Services

*®LI 700 is a registered trademark of Loveland Products, Inc.*

**Disclaimer and Limitation of Liability:** This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, Inc. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.