



# SAFETY DATA SHEET

## LI-700®

Date of Issue: 23 January 2018

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Blend of Propionic Acid, processed Lecithin and surfactant,  
**Recommended use:** Surfactant  
**Supplier:** Etec Crop Solutions Limited  
PO Box 51584, Pakuranga  
Auckland  
Phone 0800 100 325  
**Emergency telephone number:** 0800 CHEMCALL - 0800 236 2255

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Harmful – 8.2B, 8.3A, 9.1D, 9.3B  
EPA Approval No: Additives, Process Chemicals and Raw Materials (Corrosive) – HSR002491

HSNO Classification	Hazard Code	Hazard Statement
8.2B	H314	Causes severe skin burns and eye damage.
8.3A	H318	Causes serious eye damage.
9.1D	H402	Harmful to aquatic life.
9.3B	H432	Toxic to terrestrial vertebrates.

#### Prevention Code

#### Prevention Statement

P102 Keep out of reach of children.  
P103 Read label before use.  
P260 Do not breathe fumes, mist, vapours or spray.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective clothing.

#### Response code

#### Response Statement

P101 If medical advice is needed, have product container or label at hand.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P301 + IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P330+P331	
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Storage Code</b>	<b>Storage Statement</b>
P405	Store locked up.
<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	As per statement under Section 13 of SDS

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Propionic Acid	79-09-4	34.70
Inert ingredients		65.30

### 4. FIRST-AID MEASURES

- Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if necessary. Get medical attention.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a physician.
- Skin Contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with soap and water. Get medical attention immediately.
- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

### 5. FIRE-FIGHTING MEASURES

- HAZCHEM Code:** 2X
- Extinguishing media :** Carbon dioxide (CO<sub>2</sub>), dry chemical, Water spray, fog, water spray.
- Hazardous thermal (de)composition products:** May produce hazardous by-products.
- Protection of fire-fighters:** Wear full protective clothing and self contained breathing apparatus. Do not breath smoke or gases.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.
- Environmental precautions:** Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.
- Methods for cleaning up:** In the case of spillage, contain and absorb spilled material with absorbent material such as sand clay or cat litter. Keep

out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (ie organic solvent, detergent, bleach or caustic) and add the solution to the drums of wastes already collected. Label for contents. Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local Authorities

---

## 7. HANDLING AND STORAGE

<b>Handling:</b>	When mixing or applying, avoid contact with skin and eyes. Wear protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.
<b>Storage:</b>	Do not store below 4.0°C. If frozen, warm product before use. Store in original container tightly closed and in a locked, dry, well ventilated area, away from feed, seeds and foodstuffs.
<b>Packaging materials:</b>	HDPE Plastic

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

<b>Workplace exposure standards:</b>	No exposure limit allocated.
<b>Exposure Standards outside: The workplace:</b>	No exposure standards have been set for this product or the active ingredients.

### Engineering measures

<b>Exposure control measures:</b>	Ensure ventilation is adequate, generally natural ventilation is adequate.
-----------------------------------	--

### Personal Protective Equipment

#### **Detail specifications for equipment:**

<b>Respiratory system:</b>	Do not inhale spray mist.
<b>Skin and body:</b>	When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length and PVC/nitrile gloves and goggles.
<b>Hands:</b>	Elbow-length and PVC/nitrile gloves
<b>Eyes:</b>	Wear goggles.
<b>General hygiene:</b>	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Colour:</b>	Dark brown
<b>Odour:</b>	Pungent
<b>pH:</b>	3.6 (1% solution)
<b>Vapour Pressure:</b>	Not established
<b>Boiling Point:</b>	Not established
<b>Freezing/melting point:</b>	N/A
<b>Solubility:</b>	Miscible
<b>Specific gravity or density:</b>	1.035 g/ml
<b>Information for flammable material including:</b>	
<b>Octanol/water partition coefficient:</b>	Not available
<b>Explosion properties:</b>	Not explosive
<b>Oxidation properties:</b>	Not an oxidizer

---

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b>	High alkaline conditions.
<b>Materials to avoid:</b>	Strong oxidisers
<b>Hazardous decomposition Products:</b>	None known.
<b>Hazardous polymerization:</b>	Will not occur
<b>Specific Data:</b>	
<b>Hazardous reactions :</b>	None known.

---

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity – Oral : LD<sub>50</sub></b>	>5.0g/kg (rat)
<b>Acute toxicity - Dermal : LD<sub>50</sub></b>	>5.0g/kg (rat)
<b>Acute toxicity – Inhalation: LC<sub>50</sub></b>	Not established
<b>Skin irritation :</b>	Not established
<b>Eye irritation:</b>	Not an irritant.
<b>Sensitization :</b>	Not a sensitizer.
<b>Chronic toxicity</b>	No data available on this formulation.
<b>Other information :</b>	

---

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	96 hr LC <sub>50</sub> : 130 mg/L (Rainbow Trout) 96 hr LC <sub>50</sub> : 210 mg/L (Bluegill Sunfish) 48 Hr EC <sub>50</sub> : 170 mg/L (Daphnia Magna)
<b>Bees</b>	Not established

<b>Soil</b>	Not established
<b>Bioaccumulative potential :</b>	Not established
<b>Birds</b>	Not established

---

### 13. DISPOSAL CONSIDERATIONS

**Methods of disposal :** Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.  
**CONTAINER DISPOSAL:** Triple rinse container and add residue to spray tank. Burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill.

---

### 14. TRANSPORT INFORMATION -International transport regulations

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

#### Road and Rail Transport

UN No:	1760
Class-primary	8
Packing Group	II
Proper Shipping Name:	CORROSIVE LIQUID, N.O.S

#### Air Transport

UN No:	1760
Class-primary	8
Packing Group	II
Proper Shipping Name:	CORROSIVE LIQUID, N.O.S

#### Marine Transport

UN No:	1760
Class-primary	8
Packing Group	II
Proper Shipping Name:	CORROSIVE LIQUID, N.O.S

---

### 15. REGULATORY INFORMATION

<b>ACVM Registered Number:</b>	Not applicable
<b>HSNO Approval Code:</b>	HSR002491

---

### 16. OTHER INFORMATION

<b>Additional information:</b>	<b>Original Issue Date:</b> 5 <sup>th</sup> September 2006 <b>Revision Date:</b> 23 January 2018 <b>Replaces:</b> ES364 – issued 1 July 2014
--------------------------------	--

#### **Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

This Data in this SDS are based upon up to date information available at the time of issue. To the extent permitted by law, users of these information accept that neither the manufacturer, Etec Crop Solutions Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss,

damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these information.

*Li-700® is a Registered Trademark of Loveland Products, Inc*