

# Li-700 - PRODUCT SAFETY DATA SHEET

## 1. Identification of the Substance/Preparation and Company

**Product name:** Li-700 **Authorisation number under COPR:** ADJ0176

**Supplier:** De Sangosse Ltd, Swaffham Bulbeck, Cambridge CB5 OLU,UK

Telephone number: 01223 811215 (outside UK + 44 1223 811215)

Fax number: 01223 810020 (outside UK + 44 1223 810020)

**Emergency Telephone Number:** Office hours 01223 811215 After Office hours: 01638 577581 or 01485 544230

## 2. Composition/Information on Ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Propionic Acid	15-50%	79-09-4	201-176-3	R34	C

R34: Causes burns

## 3. Hazards Identification

Contact with eyes: Causes redness and irritation

Contact with skin: Causes redness and irritation

## 4. First Aid Measures

Contact with skin - Remove contaminated clothing immediately and drench affected skin with plenty of water - Then wash with soap and water - When in doubt or if symptoms persist, seek medical attention - Contaminated clothing should be laundered before reuse

Contact with eyes - If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes - Seek medical advice

Ingestion - Rinse mouth with water (do not swallow) - Do not induce vomiting - Seek medical advice

Inhalation - Remove patient to fresh air - Keep warm and at rest - Seek medical advice

## 5. Fire Fighting Measures

Flash point - Does not flash

Not combustible. In case of fire use extinguishing media appropriate to surrounding conditions

Decomposition products may include carbon oxides

Wear Chemical Protection Suit and Breathing Apparatus

In case of fire, containers may burst due to pressure build- up

Keep container(s) exposed to fire cool, by spraying with water

Prevent run off water from entering drains if possible

## 6. Accidental Release Measures

**Immediate Action:** Use appropriate containment to avoid environmental contamination (S57)

**Clean Up Actions:** Wear suitable protective clothing, eye/ face protection and gloves (see Section 8).

Absorb small spillages in inert material and shovel up, place in plastic drums for safe disposal (see Section 13).

Dyke large spillages to prevent entry to sewer or waterway. Transfer liquid to a holding container.

**Special Precautions:** If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

## 7. Handling and Storage

**Handling:** Use only in well ventilated areas - Do not breathe vapours - Avoid contact with skin and eyes - Wear suitable personal protection equipment as per Section 8 of this safety data sheet. - Wash thoroughly after use - No special precautions are required for this product if unopened packs are handled in store with care.

**Storage:** Store in a secure, dry, well ventilated facility - Protect from frost - Keep out of reach of children (S2) - Keep away from animal feeding stuffs

## 8. Exposure Controls/Personal Protection

### Exposure Limits

Propionic Acid: OES (8 hour) 10ppm OES (15 mins) 15ppm - OES (8 hour) 31mg/m<sup>3</sup> (15 mins) 46mg/m<sup>3</sup>

**Exposure controls** - Engineering controls of operator exposure must be used where reasonably practicable in addition to the personal protective equipment described below - The undiluted product must not be used in a confined space without good ventilation

**Occupational exposure controls** - When handling the concentrated product, wear overalls, suitable gloves and face protection (faceshield). - Industrial heavy duty rubber gloves are recommended - The fit and type of the gloves must be comfortable to the operator and must not hamper the handling operations. - The gloves should be in good condition and washed inside and outside after use. - Ensure that the visor of the faceshield is down before opening the pack. - Keep the visor of the faceshield down whilst handling the product (especially during measuring and pouring). - Do not raise the visor of the faceshield with contaminated gloves.

## 9. Physical and Chemical Properties

Appearance:	dark brown liquid
Odour:	vinegar like odour
Flash point:	>95 °C
Specific gravity:	1.03 g/ml
Water solubility:	Miscible - forms an emulsion
pH:	3.0 (undiluted)

## 10. Stability and Reactivity

Stable  
Avoid overheating  
Incompatible with strong alkaline substances  
Incompatible with strong oxidisers

## 11. Toxicological Information

Acute oral LD <sub>50</sub> rat	> 5000 mg/kg
Acute dermal LD <sub>50</sub> rabbit	> 5000 mg/kg
Dermal sensitisation guinea pig	not a sensitiser
Skin and eye irritancy rabbit	Irritating to skin and eyes

## 12. Ecological Information

### **Ecotoxicology**

Acute toxicity of LI-700 Bluegill Sunfish 96 hour LC<sub>50</sub> 210 mg/l

Acute toxicity of LI-700 Rainbow Trout 96 hour LC<sub>50</sub> 130 mg/l

Acute toxicity of LI-700 Daphnia Magna 48 hour LC<sub>50</sub> 190 mg/l

## 13. Disposal Considerations

Dispose of unwanted product at a licensed waste disposal site.

Packaging should be triple rinsed and disposed of at an approved landfill site.

Do not re-use containers.

## 14. Transport Information

Not classified as hazardous for transport.

## 15. Regulatory Information



### **Risk Phrases**

R36/38: Irritating to eyes and skin

### **Safety Phrases**

Keep out of reach of children (S2)

Keep away from food, drink and animal feedingstuffs (S13)

Do not breathe spray/mists (S23)

Avoid contact with skin (S24)

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)

Do not empty into drains; dispose of this material and its container in a safe way (S29/35)

Wear suitable gloves and eye/face protection (S36/37)

Use only in well ventilated areas (S51)

## 16. Other Information

This Safety Data Sheet is provided in compliance with: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP III). This Safety Data Sheet does not constitute a workplace risk assessment.

Revised Date: May 2005