



# SAFETY DATA SHEET

## Li-1000

Date of Issue: 23 August 2021

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Lecithin, methyl esters of fatty acids, and alcohol ethoxylate  
**Recommended use:** Surfactant

**Supplier:** UPL New Zealand Limited  
PO Box 51584, Pakuranga  
Auckland  
Phone 0800 100 325  
www.upl-ltd.com/nz

**Emergency telephone number:** 0800 CHEM CALL (0800 243 622) 24 Hours

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** 6.1E, 6.3B, 9.1C

**Required identification Details:** **Signal Word: WARNING**  
Keep out of reach of Children.  
Read label before use.

May be harmful if swallowed, inhaled or absorbed through the skin.  
May cause skin irritation, avoid skin contact or inhalation.  
Harmful to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients:

Common name	CAS No	%
Lecthin, methyl esters of fatty acids, and alcohol ethoxylate	Proprietary	100%

### 4. FIRST-AID MEASURES

#### Description of necessary first aid measures:

For advice, contact the National Poisons Centre 0800 CHEM CALL (0800 243 622) or a doctor immediately.

#### Effects and symptoms

##### First-aid measures

**Inhalation:** Remove victim to fresh air. Apply artificial respiration if

<b>Ingestion:</b>	necessary. No harmful effects expected
<b>Skin contact:</b>	May irritate skin. Wash with soap and water. Get medical attention if irritation persists.
<b>Eye contact:</b>	If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Get medical attention if irritation persists.
<b>Notes to a physician:</b>	

## 5. FIRE-FIGHTING MEASURES

<b>HAZCHEM Code:</b>	2Z
<b>Extinguishing media:</b>	Carbon dioxide (CO <sub>2</sub> ), dry chemical or Water spray.
<b>Hazardous thermal (de)composition products:</b>	Carbon monoxide from burning
<b>Protection of fire-fighters:</b>	Wear full protective clothing and self contained breathing apparatus. Do not breath smoke or gases.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	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.
<b>Environmental precautions:</b>	Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.
<b>Methods for cleaning up:</b>	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>	Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs.
<b>Packaging materials:</b>	Fluorinated HDPE Plastic

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

<b>Exposure Standards:</b>	No exposure limit allocated.
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**Exposure Standards outside the workplace:**

**Engineering measures**

**Exposure control measures:**

**Personal Protective Equipment**

**Detail specifications for equipment:**

**Respiratory system:**

**Skin and body:**

**Hands:**

**Eyes:**

**General hygiene:**

No exposure standards have been set for this product or the active ingredients.

Ensure ventilation is adequate, generally natural ventilation is adequate.

It is good practice to wear suitable personal protective equipment (PPE). 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 PVC gloves and face shield or goggles.

Do not inhale spray mist.

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.

Elbow-length and PVC/nitrile gloves.

Wear a face shield or goggles.

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State: Colour, Odour.**

Brown liquid, mild odour.

**pH:**

6.8 (1% solution)

**Vapour Pressure:**

Not established.

**Boiling Point:**

>100°C

**Flash Point:**

**Freezing/melting point:**

NA

**Solubility:**

Emulsifies

**Specific Gravity or Density:**

0.976 g/ml

**Information for flammable material:**

**Viscosity:**

**Octanol/water partition coefficient:**

Not available

**Explosive Properties:**

Not explosive

**Oxidation Properties:**

Not an oxidizer

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## 10. STABILITY AND REACTIVITY

**Stability:**

Stable under normal storage and use conditions. Do not store below 4°C.

**Conditions to avoid:**

None known

**Materials to avoid:**

None known

**Hazardous Decomposition**

**Products:**

Will not occur

**Hazardous polymerization:**

None known

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity – Oral:**

LD<sub>50</sub> (rat) >5000mg/kg

**Acute toxicity - Dermal:**

LD<sub>50</sub> (rabbit) >2000 mg/kg

**Acute toxicity – Inhalation:**

Not established

**Skin irritation:**

Moderate skin irritant.

**Eye irritation:**

Not an irritant.

**Sensitization:** Not a sensitizer.

**Chronic toxicity**  
**Carcinogenicity:** No data available on this formulation.  
**Mutagenicity:**  
**Reproduction toxicity:**

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## 12. ECOLOGICAL INFORMATION

<b>Aquatic</b>	96 hr LC <sub>50</sub> : 17.6 mg/L (Rainbow Trout) 48 Hr EC <sub>50</sub> : 9.3 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

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## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal:** On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose, according to label instructions.



**Container Disposal:**

Triple rinse containers; add rinsate to the spray tank. Then offer the container for recycling through the Agrecovery programme, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.

**Empty container precautions:** Avoid contamination of any water supply with chemical or empty container.

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## 14. TRANSPORT INFORMATION - International transport regulations

<b>UN number:</b>	Not applicable
<b>Class or Division:</b>	Not required
<b>Subsidiary Class:</b>	NA
<b>Packing Group:</b>	III
<b>Marine Pollutant:</b>	NA
<b>Proper shipping name:</b>	Not a Dangerous Good.

**INTERNATIONAL AIR  
TRANSPORT ASSOCIATION  
(IATA):**

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## 15. REGULATORY INFORMATION

<b>ACVM Registered Number:</b>	NA
<b>HSNO Approval Code:</b>	HSR002503

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## 16. OTHER INFORMATION

<b>Additional information:</b>	<b>Original Issue Date:</b> 5th October 2006 <b>Revision Date:</b> 23 August 2021 <b>Replaces:</b> ES507
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**Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

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