

LUPINFLO™ SEED TREATMENT

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COMPANY DETAILS

COMPANY: Crompton Agribusiness Pty Ltd
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IDENTIFICATION

PRODUCT NAME: Lupinflo™ Seed Treatment
OTHER NAMES: Procymidone
MANUFACTURER'S CODE: None Allocated
UN NUMBER: None allocated
DANGEROUS GOODS CLASS: None allocated
HAZCHEM CODE: None allocated
POISONS SCHEDULE NUMBER: Not scheduled
USE: A fungicide for the control of brown spot in lupins

PHYSICAL DESCRIPTION / PROPERTIES:

APPEARANCE AND ODOUR: purple liquid
MELTING POINT: Not available
BOILING POINT: 100°C
VAPOUR PRESSURE @ 20°C: Not available
SPECIFIC GRAVITY (H₂O = 1): Not available
FLASHPOINT: Not available
FLAMMABILITY LIMITS (%): Not available
SOLUBILITY: negligible

INGREDIENTS:

CHEMICAL ENTITY	CAS NUMBER	PROPORTION
procymidone	32809-16-8	500 g/L

HEALTH HAZARD INFORMATION

Lupinflo™ Seed Treatment has been determined as non-hazardous according to the criteria of the Occupational Health and Safety Commission.

HEALTH EFFECTS:**ACUTE**

- Swallowed:** No adverse effects expected but large amounts may cause nausea and vomiting.
Acute oral LD₅₀ (rat) = 6800 mg/kg (Procymidone Technical)
- Eye:** May be an eye irritant.
- Skin:** Contact with skin may cause irritation.
Acute dermal LD₅₀ (rat) > 2500 mg/kg (Procymidone Technical)
- Inhaled:** May cause respiratory irritation if inhaled.

CHRONIC

Prolonged exposure may cause irritation. Evidence from animal tests indicate that repeated exposure may result in liver and reproductive system disorder. The ADI (Acceptable daily intake) for humans is 0.05 mg/kg/day.

FIRST AID:

If poisoning occurs contact a doctor or Poison Information Centre. Phone Australia 131 126.

- Swallowed:** If poisoning occurs contact a doctor or Poison Information Centre. Rinse mouth with water. Give plenty to drink.
- Eye:** Hold eye(s) open and flush with water for 15 minutes. Seek medical advice.
- Skin:** Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Seek medical advice.
- Inhaled:** Remove to fresh air. If breathing difficulties occur, seek medical advice.

FIRST AID FACILITIES:

Eye wash station.

ADVICE TO DOCTOR:

Treat symptomatically.

PRECAUTIONS FOR USE**EXPOSURE STANDARDS:**

There are no exposure standards allocated by the National Occupation Health & Safety Commission for Procymidone. Exposure standard for the constituent amorphous silica is: TWA – 10 mg/m³.

ENGINEERING STANDARDS:

Ensure ventilation is adequate. Avoid generating or inhaling mists. Keep containers closed when not in use.

PERSONAL PROTECTION:

Avoid personal contact. When using, do not eat, drink or smoke. Wear cotton overall buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves, face shield and disposable face mask. In the absence of adequate ventilation, use a respirator fitted with an agricultural chemical cartridge(s). After use and before eating, drinking, smoking or using the toilet, wash hands, arms and face thoroughly with soap and water. Launder clothing and other protective equipment before storing or re-using.

FLAMMABILITY:

Not flammable under normal conditions of use.

SAFE HANDLING INFORMATION**STORAGE AND TRANSPORT:**

Not classed as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road or Rail. This material is not a Scheduled Poison.

Store in original container, away from seeds, fertilizers, animal and human feedstuffs. Keep dry and out of direct sunlight. Store below 40°C. Keep containers closed when not in use.

SPILLS:

Use personal protective equipment as outlined above. Absorb onto inert material. Transfer into secure containers for proper disposal. Prevent entry into waterways, drains or confined areas. Do not reuse the containers for any purpose. If there is a contamination of crops or waterways, advise emergency services or State Department.

DISPOSAL:

For disposal after intended use: Triple or preferably, pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
For disposal after spill or accident: Dispose of sealed containers at an approved local waste disposal site.

FIRE / EXPLOSION HAZARD:

Not Flammable however, following evaporation of aqueous component residual material can burn if ignited. In case of fire, wear full protective clothing and self-containing apparatus.

Extinguishing Media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder). Contain runoff.

Hazchem Code: None Allocated

OTHER INFORMATION**ENVIRONMENTAL HAZARDS:**

Toxic to fish and other aquatic life. Avoid contaminating waterways.

Procymidone Technical:

Daphnia magna LC₅₀: 7.2 mg/L (96 hour)
Bluegill Sunfish LC₅₀: 10.3 mg/L (96 hour)
Carp LC₅₀: > 10 mg/L (48 hour)

Not toxic to bees.

Procymidone has a low potential for bioaccumulation and has moderate mobility in soil.

IMPORTANT PLEASE READ:

This Material Safety Data Sheet provides certain basic health and safety information ("Information") about Lupinflo™ Seed Treatment ("Product").

You should read the Information carefully. This product may be dangerous if not handled or used properly. You should not use the Product unless you are satisfied after reading the Information that it is suitable for your purposes outline.

Crompton Agribusiness Pty Ltd and its related companies and distributors ("Crompton") shall not be liable (including, without limitation, liable in negligence) for any expenses, losses, damages or costs that you may suffer or incur as a result of your failure to read the Information carefully or the Product being incapable of achieving any purpose.

Crompton excludes all implied conditions, warranties and other terms implied by statute or common law, except any implied condition or warranty the exclusion of which would contravene any statute or cause any part of this paragraph to be void ("Non-excludable Condition"). In the event of any breach of any Non-excludable Condition (other than where the customer is a "consumer" as defined under the Trade Practices Act and there is a breach of any Non-excludable Condition in respect of goods or service of a kind ordinarily acquired for personal, domestic or household use or consumption) Crompton's liability shall be limited to any one of supplying, replacing or repairing the goods in respect of which the breach occurred.

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