

# WELLFARM LAMBDA-CYHALOTHRIN 250 CS INSECTICIDE

**APVMA Product No:** 70282**Poison Schedule:** 6**Emergency Telephone Number:**

The Australian Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)

Specialist Advice In An Emergency Only 1800 033 111 All Hours Australia Wide

In A Transport Emergency Dial 000 Police Or Fire Brigade

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Company:** Wellfarm Pty Ltd  
**Website:** [www.wellfarm.com.au](http://www.wellfarm.com.au)  
**Email:** [info@wellfarm.com.au](mailto:info@wellfarm.com.au)  
**Postal Address:** 22 Calypso Crescent, Point Cook, Vic 3030

**Product Name:** WELLFARM LAMBDA-CYHALOTHRIN 250 CS INSECTICIDE  
**Product Type:** Group 3A Insecticide  
**Formulation Type:** Capsule Suspension  
**Product Use:** For the control of pests in Agriculture

## 2. HAZARDS IDENTIFICATION

**Hazard classification**

Health and Environmental  
Toxic if swallowed. Irritating to eyes and skin. Vapors may cause drowsiness and dizziness. May cause sensitization by skin contact. May cause temporary itching, tingling, burning or numbness of exposed skin, called paresthesia.  
Hazardous Decomposition Products  
May decompose at high temperatures forming toxic gases.  
Physical Properties  
Appearance: Beige liquid  
Odor: Not determined  
Unusual Fire, Explosion and Reactivity Hazards  
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical entity	CAS Number	Concentration
		g/L
Lambda-Cyhalothrin	[91465-08-6]	250
Titanium Dioxide	[1702-17-6]	< 25
Petroleum Solvent	[83164-33-4]	< 150
<b>Other ingredients</b>	(Non-hazardous)	< 600

# MATERIAL SAFETY DATA SHEET

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove victim to fresh air. Seek medical advice and call a poison control center or doctor for further treatment advice.
<b>Skin contact</b>	If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water or call a poison control center or doctor for treatment advice.
<b>Eye contact</b>	If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.
<b>Ingestion</b>	Contact a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. 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.
<b>Symptoms</b>	<b>Local:</b> The product causes irritation of eyes, skin and mucous membranes. <b>Systemic:</b> mild acidosis, tachycardia, irregular cardiac activity, low blood pressure, Circulatory collapse, cough, shortness of breath, nausea, vomiting, diarrhea, abdominal Pain, rhabdomyolysis, somnolence,coma, fever, convulsions
<b>Medical attention</b>	<b>Notes to Physician</b> There is no specific antidote if this product is ingested. Treat symptomatically. Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids. Skin contact paresthesia effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours. Treat symptomatically. Contains petroleum distillate - vomiting may cause aspiration pneumonia. Medical Condition Likely to be Aggravated by Exposure None known.

## 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	Extinguish fire using: Water, Fog, Foam, Dry agent
<b>Hazards from Combustion</b>	In case of fire, gaseous oxides of carbon and nitrogen, hydrogen fluoride and hydrogen chloride may be emitted.
<b>Products</b>	Unusual Fire, Explosion and Reactivity Hazards
<b>Precautions for fire ighters</b>	During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion. In Case of Fire Use dry chemical, foam or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

## 6. ACCIDENTAL RELEASE MEASURES

### In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and

# MATERIAL SAFETY DATA SHEET

arrange for disposition.

## 7. HANDLING AND STORAGE

<b>Safe handling practices</b>	Keep out of reach of children. Avoid contact with the eyes, skin and clothing or inhalation of product.
<b>Storage</b>	Store in the closed original container in a dry, cool well-ventilated area, out of direct Sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, Seed and fertilizers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

<b>Ingestion</b>	Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
<b>Eye contact</b>	Where eye contact is likely, use chemical splash goggles.
<b>Skin contact</b>	Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber or Viton), coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical resistant headgear. Stringent housekeeping measures are necessary to prevent translocation of the material from contaminated work surfaces to uncontaminated surfaces (railings, doors, etc.). Unprotected contact with such translocated material can result in paresthesia effects (see Section 11 of MSDS). Do not touch unprotected skin areas (face) with contaminated gloves or clothing.
<b>Inhalation</b>	A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits. In case of emergency spills, use a NIOSH approved respirator with any R, P or HE filter.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Beige liquid
<b>Odour</b>	Negligible
<b>Melting Point</b>	Not Applicable
<b>Boiling Point</b>	Not Applicable
<b>Specific Gravity/Density</b>	1.10 g/ml
<b>pH</b>	5.4
<b>Solubility in H<sub>2</sub>O</b>	0.004mg/l
<b>Lambda-Cyhalothrin</b>	
<b>Vapor Pressure</b>	1.5 x 10 <sup>(-9)</sup> mmHg @ 68°F (20°C)
<b>Lambda-Cyhalothrin</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of use.
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# MATERIAL SAFETY DATA SHEET

<b>Incompatible Materials</b>	Strong acids, strong bases and strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide and other hazardous compounds
<b>Hazardous Polymerization Conditions to Avoid</b>	Will not occur. No information available.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity/Irritation Studies (Finished Product)

<b>Ingestion</b>	Moderately Toxic Oral (LD50 Rat) : = 180 mg/kg body weight
<b>Dermal</b>	Slightly Toxic Dermal (LD50 Rat) : > 2,000 mg/kg body weight
<b>Inhalation</b>	Practically Non-Toxic Inhalation (LC50 Animal Not Available) : = 3.12 mg/l air - 4 hours
<b>Eye Contact</b>	Mildly Irritating (Rabbit)
<b>Skin Contact</b>	Mildly Irritating (Rabbit)
<b>Skin Sensitization</b>	A mild skin sensitizer in animal tests.
<b>Reproductive/Developmental Effects</b>	Lambda-Cyhalothrin: Not a developmental or reproductive toxicant.
<b>Chronic/Subchronic Toxicity Studies</b>	Lambda-Cyhalothrin: Reversible paresthesia (abnormal skin sensation). Reversible clinical signs of neurotoxicity in mammals.
<b>Carcinogenicity</b>	Lambda-Cyhalothrin: No treatment-related tumors in rats or mice.
<b>Other Toxicity Information</b>	In humans, contact with exposed skin may result in temporary itching, tingling, burning or numbness, called paresthesia. The effect may result from splash, aerosol, or hot vapor contact, or transfer to the face from contaminated gloves and hands. The symptoms normally disappear within 24 hours. Face and genital areas are especially susceptible to this effect. Paresthesia involving the face is also known as "subjective facial sensation" or SFS.
<b>Toxicity of Other Components</b>	Naphthalene (<= 3%) Exposure to naphthalene can cause cataracts, liver damage, kidney failure, respiratory failure, hematuria, anemia, damage to red blood cells, leukocytosis, or coma. Carcinogen Status: NTP: Anticipated Carcinogen IARC: Group 2B Possible Human Carcinogen
<b>Petroleum Solvent</b>	Inhalation of vapors at high concentrations can cause central nervous system effects (dizziness, headache), irritation to eyes or respiratory tract.
<b>Titanium Dioxide</b>	Titanium dioxide is listed as an IARC (Group 3) carcinogen not classifiable as human carcinogen (No Data Available) with limited animal evidence. Prolonged exposure causes respiratory irritation and may lead to pulmonary fibrosis.

## 12. ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

<b>Eco-Acute Toxicity</b>	Lambda-Cyhalothrin : Fish (Rainbow Trout) 96-hour LC50 0.19 ppb Fish (Bluegill Sunfish) 96-hour LC50 0.21 ppb Bird (Mallard Duck) LD50 Oral > 3950 mg/kg Bird (Mallard Duck) 8-day dietary LC50 > 3948 Bee (Contact) LD50 0.038 ug/bee Invertebrate (Water Flea) 48-hour EC50 0.04 ppb
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Bird (Bobwhite Quail) 8-day dietary LC50 > 5300 ppm

## Eco-Chronic Toxicity

Lambda-Cyhalothrin :  
Invertebrate (Water Flea) 21-day LOEC 0.0035 ppb  
Bird (Mallard Duck) Reproduction 19-week LOEL > 30 ppm  
Fish (Fathead Minnow) 300-day LOEC 0.062 ppb

## Environmental Fate

Lambda-Cyhalothrin :  
The information presented here is for the active ingredient, lambdacyhalothrin.  
Not persistent in soil or water. Immobile in soil. Sinks in water (after 24 h).

## 13. DISPOSAL CONSIDERATIONS

### Disposal

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Contains Naphthalene U165

## 14. TRANSPORT INFORMATION

### UN Number

UN 3352

### Proper Shipping Name

Pyrethroid Pesticide, Liquid, Toxic (contains Lambda-Cyhalothrin, 23%)

### Dangerous Goods Class and Subsidiary Risk

Class 6.1

### Packing Group

PG III

## 15. REGULATORY INFORMATION

### Agricultural Or Veterinary Chemicals Legislation

This product is registered for use by the APVMA.

## 16. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. Wellfarm Pty Ltd will NOT be responsible for any damages that may result from reliance on the information contained herein.

The Australian Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia).