

MATERIAL SAFETY DATA



ALPHA CYPERMETHRIN 100 EC INSECTICIDE

4 FARMERS PTY LTD

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Date of Issue: July '98

MSDS No. 50651

PRODUCT IDENTIFICATION

Product Name: 4 Farmers Alpha Cypermethrin

Chemical Name: (RS) - α - cyano 3-phenoxybenzyl
IRS – cis trans 3-3 (2,2 dichlorovinyl) –2-2-dimethyl
cyclopropane acryoxylate

Chemical Class: Pyrethroid

Hazchem Code: 2[Z]

UN No.: 3082

Dangerous Goods Class: 9

Sub Risk Class: 3

Packaging Group: III

EPG: Yes

Poison Schedule: S6

Physical appearance & Properties:

Appearance & Odour: Clear amber liquid. Hydrocarbon odour.

Melting/softening point: Liquid at normal pressures.

Boiling point: >100°C

Vapour pressure: Not known

Volatile materials: 8%

Flashpoint: >61°C

Specific gravity: 0.902

Solubility in water: Forms emulsion

Corrosiveness: Not corrosive

Ingredients:

Chemical Entity	CAS No	Proportion (%)
Alpha Cypermethrin	52315-07-8	10%
Hydrocarbon Solvent		>70%
General surfactants	-	<10%

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HEALTH HAZARD INFORMATION

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The materials in this product are not considered to be carcinogenic by the Worksafe Australia lists. (October 1991)

Acute Effects:

Swallowed: Product is poisonous if swallowed.

Eye: Will irritate eyes.

Skin: Facial skin contact may cause temporary facial numbness. Sensitive workers should use protective clothing. Prolonged and repeated skin contact may cause dermatitis due to defatting effect.

Inhalation: Inhalation of spray mist causes shortness of breath and laboured breathing. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of coordination, impaired judgement and, if exposure is prolonged, unconsciousness. Do not inhale spray mist. Ingestion can cause nausea, vomiting, diarrhoea and abdominal pain.

Primary route of exposure is inhalation and skin and eye contact.

EMERGENCY AND FIRST AID PROCEDURES

First Aid:

If poisoning occurs, contact a doctor or Poisons Information Centre.

Swallowed: If swallowed, and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF.

Eye: If this product comes into contact with eyes, hold eyes open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if eye irritation develops.

Skin: If this product comes into contact with skin, wash skin for at least 15 minutes with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor if skin irritation develops.

Inhalation: If mists or combustion products are inhaled, remove to fresh air. Lay victim down and keep warm and rested. If breathing is shallow, or has stopped ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately. Eye wash stations or baths should be available where product is being used.

Advice to doctor: Treat symptomatically. Note the nature of this product.
Contact a Poisons Information Centre on 131126.

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PRECAUTIONS FOR USE

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the significant ingredients in this product. There is a blanket recommendation of 10mg/m³ for inspirable dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. See ingredients section of page 1 of this data sheet.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source or other methods. If you believe airborne concentrations of mist, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal protection:

When preparing spray, wear PVC or rubber apron, elbow length PVC gloves and face shield. When using the prepared spray, wear face shield. If product gets on skin, immediately wash area with soap and water.

SAFE HANDLING INFORMATION

Storage & Transport:

This material is classed as a S6 Poison. Observe appropriate state regulations for storage, transport and sale. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

Spills and disposals:

In event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. Stop leak if safe to do so, and contain spill. Absorb onto vermiculite or other absorbent material. Sweep up and shovel and collect recoverable product into labelled containers for recycling or salvage. After spills, wash area, preventing run off from entering drains. If material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations. Launder all contaminated clothing before re-use.

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Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

Flashpoint: >61°C

Extinguishing Media: Carbon dioxide, dry chemical, foam, water fog.

Special Fire fighting Procedures: Wear full protective clothing including face mask, face shield and gauntlets.

Unusual fire and Explosion hazards: Decomposition products are toxic and corrosive. There is little or no chance of an explosion from this product if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen chloride gas, chlorides, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

IN CASE OF EMERGENCY: DIAL 000

FOR ADDITIONAL NON-EMERGENCY INFORMATION CALL

4 FARMERS PTY. LTD.

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