



Material Safety Data Sheet

Pirimicarb 500 WP

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product trade name: 4Farmers Pirimicarb 500 Insecticide.
Other names:
Recommended use: Controlling aphids in flowering crops where protection of bees is important.
Company name & address: 4Farmers Pty. Ltd.
A.C.N 067 443 485
70 McDowell St, Welshpool, Western Australia, 6106.
Ph: (08) 9356 3445 Fax (08) 9356 3447

2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous according to the criteria of NOHSC. Dangerous goods.
Risk phrases: R20 Harmful by inhalation.
R21/22 Harmful in contact with skin and if swallowed.
Safety phrases: S20/21 When using do not eat or drink/smoke
S22 Do not breathe dust.
S23 Do not breathe spray.
S24/25 Avoid contact with skin/eyes
S29/35 Do not empty into drains/Dispose of material and container in a safe way
SUSDP Classification: S6
ADG Classification: Class 6.1 (CARBAMATE PESTICIDE, SOLID, TOXIC, contains Pirimicarb)
UN Number: 2757

3. COMPOSITION

Substance	CAS Number	% content
PIRIMICARB (active ingredient)	23103-98-2	52 (95% tech)
Dispersing/wetting Agents	-	12
Inerts	-	35

4. FIRST AID MEASURES

Atropine tablets 0.6mg and activated charcoal should be available in the area where this product is used, or in a nearby unlocked medicine cabinet. If swallowed, splashed on skin or inhaled, contact a Poisons Information Centre or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. If swallowed, use of activated charcoal may be advised. Give atropine if instructed. The usual instruction is to give one atropine tablet every 5 minutes until dryness of the mouth occurs.

Skin contact: Remove contaminated clothing. Wash contaminated skin with soapy water. If skin irritation develops, get medical attention. If any unusual symptoms become evident, or if in doubt, contact a Poisons Information Centre or a doctor. See instructions above about treatment with atropine. Wash clothing thoroughly before re-use.

Eye contact: Rinse eye(s) with clean running water for 15 mins. Get medical attention.

Ingestion: Rinse mouth. Give water to drink if patient is conscious. DO NOT induce vomiting. If vomiting occurs ensure patient can breathe, then give water to drink. See instructions above about treatment with atropine. Get medical attention.

Inhalation: If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily. Symptoms of pulmonary oedema can be delayed up to 48 hours after exposure. See instructions above about treatment with atropine.

Advice to doctor: Carbamate pesticide. Consider treatment with atropine.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical, foam, water fog, water stream.



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Special hazards in fire: Product is not flammable. It will burn if heated by combustion of other material.
Combustion may release carbon dioxide, and nitrogen oxides.
Required special protective equipment for fire-fighters: Wear self contained breathing apparatus if in enclosed space.
Hazchem code: 2X

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Wear protective equipment to prevent skin and eyes being affected.
Evacuate unprotected and unnecessary personnel from area of spill.
If material is leaking from a container, stop the leak only if this can be done safely.
Prevent spillage entering drains or watercourse.
Methods for containment & cleanup: Dampen product if necessary to settle dust but do not use excessive amounts of water.
Vermiculite, Sand, Soil is a suitable absorbent, especially soils high in clay.
Soil can be used to form bunds to contain spillage.
Contaminated soil should be collected for disposal at a suitable landfill.
Contaminated area and tools should be washed down with hypochlorite bleach.
Personal protective equipment and clothing should be washed with soapy water.

7. HANDLING AND STORAGE

Handling: Keep away from food, drink, and animal feedstuff.
KEEP OUT OF REACH OF CHILDREN.
Wear suitable Personal protective equipment when handling and spraying.
Storage: Store in the original container in a dry, cool, ventilated, LOCKED area.
DO NOT store in prolonged sunlight.
DO NOT store with food, seed, or animal feedstuff.

8. EXPOSURE CONTROLS

National exposure standards: Exposure limits have not been established by NOHSC for any of the significant ingredients in this product. Use the default of 10 mg/m³.
Biological limit values: The ADI for Pirimicarb is set at 0.002mg/kg/day. The corresponding NOEL is set at 0.4mg/kg/day. ADI means
Engineering measures: Use assisted ventilation in enclosed spaces if needed, especially storage areas.
Personal protection equipment:
Eye/face protection: Goggles or glasses to AS 1366, AS/NZS1337
Hand/skin protection: Overalls, PVC gloves and apron, face shield
Respiratory protection: Should not be necessary under normal conditions. If spray mist may be encountered, a particulate filter to AS/NZS 1715 should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off white powder.
Odour: Mild chemical odour.
pH: Not applicable, non-aqueous formulation.
Vapour pressure: Very low.
Vapour density: Not known.
Boiling point/range:
Melting/freezing point: 90.5 °C (pirimicarb), but will be absorbed by inerts.
Solubility: Fully dispersible. Active will be insoluble micro- particles.
Specific gravity - density: 0.5 (bulk density).
Flashpoint: N/A
Explosive limits (air): N/A
Ignition temperature: N/A



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10. STABILITY AND REACTIVITY

Chemical stability: Normally stable. Active may degrade in strong UV light.
Conditions to avoid: Very high or low temperatures.
Materials to avoid: Strong oxidising agents.
Hazardous decomposition products: Oxides of nitrogen and chlorine. Burning with limited oxygen may produce carbon monoxide.
Hazardous reactions: Not known. Does not polymerise.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD₅₀ rat 100mg/kg, Dermal LD₅₀ rat > 500mg/kg, rabbit 900mg/kg.
Chronic toxicity:
Possible routes of exposure: Inhalation of spray mist is the most likely cause of exposure.
Range of effects. Excessive exposure may affect human health as follows:
Skin contact: May cause some minor irritation.
Eye contact: Likely to cause irritation.
Inhalation/ingestion: Will cause severe toxicity.
Dose/conc./conditions likely to cause injury: Ingestion of some 10 grams would be likely to be injurious.
Delayed effects if any: None known.
Relevant negative data: Not known to be carcinogenic, mutagenic, or teratogenic.

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Aquatic organisms: Not particularly toxic to fish or algae. Toxic to insects and arachnids.
Flora: Not toxic.
Fauna: Toxic to birds.
Soil organisms: Not particularly toxic to earthworms. Likely to be toxic to insects.
Bees: Not particularly toxic.
Long term: Not known.
Ozone effects: None recorded.
Persistence/degradation: Soil persistence is very variable, and highly dependent on organic matter content and pH.
Mobility: Not known, but expected to be moderately leachable.
Bioaccumulative potential: Unknown but probably low.

13. DISPOSAL CONSIDERATIONS

Product: Whenever possible, product should be used for its intended purpose, even if reclaimed from spillage (reclaimed product must be uncontaminated).
Containers: Whenever possible, follow directions given on container.
If not available, triple or pressure rinse plastic or metal containers before disposal. Recycle containers if possible (replace cap and return clean containers to recycler or designated collection point). Treat rinsings as for product above.
If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is 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.
Sewage: Do not dispose of product or rinsings into sewage systems or septic tanks.

14. TRANSPORT INFORMATION

UN Number: 2757
UN proper shipping name: (CARBAMATE PESTICIDE, SOLID, TOXIC, contains Pirimicarb)
ADG Class & subsidiary risks: 6.1
ADG Packing Group: III
Special precautions: Do not store with foodstuffs.
Hazchem code: 2X



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4Farmers does not anticipate that this product will be shipped by air or sea, nor be exported. Extra precautions may apply if such transport is undertaken.

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database. This product is an Agricultural Chemical registered by the Agricultural Pesticides and Veterinary Medicines Authority.

16. OTHER INFORMATION

TLV –Threshold limit value.
TWA – Time weighted average.
This MSDS prepared February 2008.