

SAFETY DATA SHEET



Garrards Pty Ltd	Date Issued: 14 June 2016
PO Box 5477	Brendale, Qld, 4500
Ph: (07) 3881 1693	Fax: (07) 3881 1781
www.garrards.com.au	

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: ANT KILLER 50

MANUFACTURER:

Garrards Pty Ltd
PO Box 5477
Brendale, Queensland 4500

USE: Granular insecticide for external control of ants around houses, buildings and vegetation as per directions for use

2. HAZARDOUS IDENTIFICATIONS:

Hazardous according to criteria of Safe Work Australia.

GHS Classification of the substance/mixture

- Acute toxicity – category 4
- Hazardous to the aquatic environment (acute) – category 1
- Hazardous to the aquatic environment (chronic) – category 1

Signal Word(s): WARNING

Hazard Statement(s)

- H303 May be harmful if swallowed
- H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s) – General

- P101 If medical advice is needed, have product container, label or SDS at hand
- P102 Keep out of reach of children
- P103 Read label before use

Pictogram(s)

Environment



Precautionary Statement(s) – Prevention

- P202 Do not handle until all safety precautions have been read and understood
- P260 Do not breathe mists or spray
- P271 Use only outdoors or in a well ventilated area

- P280 Wear protective gloves, clothing, eye and face protection
- P284 Wear respiratory protection

Precautionary Statement(s) – Response

- P302+P352 If on skin: wash with plenty of soap and water.
- P304+P340+P310 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call Poisons Information Centre (**13 11 26**) or a doctor.
- P305+P351+P338+P310 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call Poisons Information Centre (**13 11 26**) or a doctor.
- P308+P313 If exposed or concerned: get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Chlorpyrifos Tech	2921-88-2	50g/L
Other ingredients determined non hazardous		VHIGH

Proportion (% weight per weight): VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

4. FIRST AID:

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to a doctor.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Atropine by ingestion or Atrovent / Ipratropium by airway puff are preferred antidotes. Oximes such as 2 PAM/protopam may be therapeutic if used early, but only if used in conjunction with atropine. Do not give adrenergic amines, aminophylline, succinylcholine, phenothiazines or reserpine alkaloids or oils. Treat pulmonary pneumonitis and bronchopneumonia secondary to pulmonary oedema.

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5. FIRE FIGHTING MEASURES:

FLASH POINT: Does not burn

EXTINGUISHING MEDIA: Use media suited to burning materials.

FIRE AND EXPLOSION HAZARDS: No risk of explosion. Vapours from decomposition products if involved in a fire may be irritating.

6. ACCIDENTAL RELEASE MEASURES:

ACTION TO TAKE FOR SPILLS:

In case of spills it is important to take all steps necessary to:

- Avoid eye and skin contact.
 - Avoid contamination of waterways.
1. Keep all bystanders away.
 2. Wear full-length clothing and PVC gloves.
 3. Reposition any leaking containers so as to minimise further leakage.
 4. Shovel the absorbed spill into drums and top with hydrated lime.
 5. Disposal of the absorbent material will depend on the extent of the spill.
 - For quantities up to 50kg of product bury in a secure land fill site.
 - For quantities greater than 50kg seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
 6. Decontaminate spill area with hydrated lime scattered over the spill prior to rinsing off with water.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry place away from direct sunlight. Store away from food and food stuffs for animal or human consumption. Store in its original container well sealed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION:

EXPOSURE GUIDELINES:

For chlorpyrifos; 0.2 mg/m³, TWA, skin.

ENGINEERING CONTROLS: Natural ventilation only except in confined spaces where a local exhaust fan should be provided.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS: Eye washing and shower facilities available.

EYE / FACE PROTECTION: Face and eye protection should be worn. For help in selecting suitable equipment consult AS 1336 and AS/NZS 1337.

SKIN PROTECTION: Wear chemical resistant PVC or nitrile gloves. Wear cotton overalls and washable cotton hat. Wear boots. For help in selecting suitable gloves consult AS 2161 For help in selecting suitable clothing consult AS 2919. For help in selecting boots consult AS/NZS 2210

RESPIRATORY PROTECTION: Unlikely to be required. For help in selecting suitable equipment consult AS/NZS 1715.

APPLICATIONS AND ALL OTHER HANDLERS: After handling this product always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Granulated solid.

Tap density: 0.74

ODOUR: Mild odour

SOLUBILITY IN WATER: Negligible

CORROSIVENESS: Not corrosive

10. STABILITY AND REACTIVITY

STABILITY: This product is unlikely to spontaneously decompose.

INCOMPATIBILITY: Avoid materials like Strong Acids, strong bases, and strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Oxides of sulfur. Oxides of phosphorus. Hydrogen chloride gas, chlorides and in some circumstances, phosgene. Water.

HAZARDOUS POLYMERIZATION: This product is unlikely to spontaneously polymerise.

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11. TOXICOLOGICAL INFORMATION:

For Chlorpyrifos technical:
Oral LD₅₀ (rats) 135 mg/kg
Dermal LD₅₀ (rats) > 2000 mg/kg

The Australian Acceptable Daily Intake (ADI) of chlorpyrifos for humans is 0.003 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.03 mg/kg/day, the level determined to show no effect during long term exposure for the most sensitive indicators and the most sensitive species.

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL DATA:

Chlorpyrifos is moderately persistent in soils. The half-life of chlorpyrifos in soil is usually between 60 to 120 days.

ECOTOXICOLOGY:

Toxicity to birds:
Acute Oral LD₅₀ chickens 32mg/kg

Dangerous to fish.
Active ingredient is toxic to fish;
LC₅₀ (96 hrs) Rainbow trout 0.009mg/L.
LC₅₀ goldfish: 0.8mg/L (96 hrs)

Dangerous to bees
DO NOT spray any plants in flower while bees are foraging.
DO NOT contaminate dams, waterways or sewers with pesticide or used containers.
DO NOT spray in high winds.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Dispose of empty, used containers by;

- Ensuring the container is totally empty.
- Breaking, crushing or puncturing the containers to prevent reuse.
- Disposing of in a local authority, bury landfill site that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers under at least 50cm of soil at a licensed/approved disposal site. DO NOT burn empty containers or product

14. TRANSPORT INFORMATION:

ROAD AND RAIL TRANSPORT: Exempt by the criteria AU01 of Australian Dangerous Goods Code 7 (ADG) for the transport by Road and Rail.

This product is classified as Dangerous Goods according to International Maritime Dangerous Goods Code. (IMDG) for the transport by sea and the International Air Transport Association (IATA) dangerous goods regulation for the transport by air.

UN No: 3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(CONTAINS CHLORPYRIFOS < 25%).

Class: 9 Miscellaneous Dangerous Goods

PG: III

Marine Pollutant

Hazchem Z2

15. REGULATORY INFORMATION:

POISON SCHEDULE: S5

Signal word: CAUTION

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 51769

16. OTHER INFORMATION:

All information in this data sheet is provided in good faith and is believed to be correct. Each user should consider the information in this safety data sheet within the context of their particular application as Garrards Pty Ltd cannot anticipate or control conditions under which this product may be used. Garrards Pty Ltd will not be responsible for any damages arising out of the use or reliance upon the information in this safety data sheet. No expressed or implied warranties are given other than those implied mandatory by Commonwealth, State or Territory legislation.

Please read all labels carefully before use.

Contact Point:

**Emergency Services
Ph: 000**

**Poisons Information Centre
Australia 13 11 26
New Zealand 03 474 7000**