

MATERIAL SAFETY DATA SHEET

Garrards Pty Ltd	Date Issued: 9 September 2011
PO Box 5477, Brendale MDC, Qld 4500	Fax: (07) 3881 1781
Phone: (07) 3881 1693	Product Code: GARGP-ANT

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: ANT KILLER 50

MANUFACTURER:

Accensi Pty Ltd
60 - 76 Potassium Street
Narangba, Queensland 4504

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

2. 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

3. HAZARDOUS IDENTIFICATIONS:

Classified as Hazardous according to Worksafe Australia

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.

POISONING SYMPTOMS: These are typical of organophosphate pesticides – nausea, diarrhoea, dripping nose and mouth, excessive salivation, stomach cramps, excessive sweating, trembling, loss of muscle coordination, muscle twitches, weakness, mental confusion, blurred vision, breathing difficulties, rapid pulse pin-point pupils.
(Cholinesterase inhibition)

EYE: Will cause moderate irritation and possible injury.

SKIN: Harmful in contact with skin. The rate of absorption of chlorpyrifos through the skin is low, hence the product is only moderately toxic by this route. chlorpyrifos is not considered a skin sensitising agent.

INGESTION: Harmful if swallowed.

INHALATION: Inhalation of Chlorpyrifos from this product is unlikely.

SYSTEMIC (other target organ): Chlorpyrifos primarily affects the nervous system through inhibition of cholinesterase, an enzyme required for proper nerve functioning.

CANCER INFORMATION: The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment".

TERATOLOGY (Birth defects): No evidence of in laboratory mammals.

REPRODUCTIVE EFFECTS: No evidence of in laboratory mammals.

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 Material Safety Data Sheet to a doctor.

EYE: Rinse immediately with plenty of water for at least 15 minutes, holding eye open and taking care to rinse under eyelids as well. If irritation persists seek medical attention.

SKIN: Wash off skin immediately with soap and plenty of water. Remove all contaminated clothing and shoes. If poisoning occurs seek immediate medical attention.

INGESTION: Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice.

INHALATION: Move affected person to fresh air and keep until recovered. If poisoning occurs seek immediate medical attention.

Always seek medical attention when atropine has been given. (Even if symptoms have subsided)

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. This product contains a

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petroleum based solvent and so the benefits of inducing vomiting must be balanced against the possible of chemical pneumonitis if inhaled. If lavage is performed, endotracheal or oesophagoscopy control is advised.

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 hydrate 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.

pH: no data

ODOUR: Mild odour

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY: No data

BOILING POINT: Not applicable

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

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of phosphorus. Hydrogen chloride gas, chlorides and in some circumstances, phosgene. Water.

HAZARDOUS POLYMERIZATION: This product is unlikely to spontaneously polymerise.

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. Chlorpyrifos may be toxic to some plants, such as lettuce. Residuals remain on plant surfaces for approximately 10 to 14 days. Data indicate that this insecticide and its soil metabolites can accumulate in certain crops.

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)

Marine Pollutant
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;
(a) Ensuring the container is totally empty.

- (b) Breaking, crushing or puncturing the containers to prevent reuse.
- (c) 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:

Not classified as a Dangerous Good.

15. REGULATORY INFORMATION:

POISON SCHEDULE: S5

RISK PHRASES:

- R21/22 Harmful in contact with skin and if swallowed.

SAFETY PHRASES:

- S36/37 Wear suitable protective clothing and gloves.
- S44 If you feel unwell, contact a doctor or Poisons information centre immediately (show the label where possible)
- S24/25 Avoid contact with skin and eyes.
- S20 When using, do not eat or drink

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**