

SAFETY DATA SHEET



Garrards Pty Ltd

PO Box 5477

Ph: (07) 3881 1693

www.garrards.com.au

Date Issued: 14 June 2016

Brendale, Qld, 4500

Fax: (07) 3881 1781

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT:

Country Micro-Low Pre-Construction/Post Construction Termiticide and Insecticide

COMPANY IDENTIFICATION:

Garrards Pty Ltd
PO Box 5477
Brendale, Queensland 4500

USE: Termiticide for pre-construction control of Subterranean termites, termiticide and Insecticide for the treatment of post-construction subterranean termite infestations and for the control of domestic pests 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 3
- Aspiration hazard – category 1
- Hazardous to the aquatic environment (acute) – category 1
- Hazardous to the aquatic environment (chronic) – category 1

Signal Word(s): DANGER

Hazard Statement(s)

- H301 Toxic if swallowed
- H304 May be fatal if swallowed and enters airways
- H400 Very toxic to aquatic life
- 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)

Health hazard, Skull and crossbones, 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 98%	2921-88-2	450g/L
Aromatic Solvent	64742-94-5	326.5g/L
Other ingredients determined non hazardous		MED

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.

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,

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mental confusion, blurred vision, breathing difficulties, rapid pulse pin-point pupils.
(Cholinesterase inhibition)

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. This product contains a 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: 66°C (Aromatic solvent)

FLAMMABLE LIMITS: 0.9 – 6.0 % for the solvent.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water fog.

FIRE AND EXPLOSION HAZARDS: Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

FIRE-FIGHTING EQUIPMENT: When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat goggles and self-contained breathing apparatus. All skin should be covered.

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. Dam and absorb spill with an absorbent material (e.g. sand or soil).

5. Shovel the absorbed spill into drums and top with hydrated lime.
6. Disposal of the absorbent material will depend on the extent of the spill.
 - For quantities up to 50L of product bury in a secure land fill site.
 - For quantities greater than 50L seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
7. 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.
For Aromatic hydrocarbon, the supplier recommends an occupational exposure limit of 100 ppm (TWA) as total hydrocarbon.

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

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: Avoid inhaling spray mist. For help in selecting suitable equipment consult AS/NZS 1715.

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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: Pale amber liquid.

pH: neutral

ODOUR: Solvent odour

SOLUBILITY IN WATER: Forms emulsions

SPECIFIC GRAVITY: 0.997

BOILING POINT: 183°C

CORROSIVNESS: 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.

11. TOXICOLOGICAL INFORMATION:

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 mammals: (for similar product composition)

Acute Oral LD₅₀ (rats): 483mg/kg

Acute Percutaneous LD₅₀ (rats): 409mg/kg

For Active Ingredient:

Acute Oral LD₅₀ (rats): 483mg/kg

Guinea Pigs: 500mg/kg

Rabbits: 1000-2000mg/kg

Acute percutaneous LD₅₀ (rabbits): >2000mg/kg

Toxicity to birds:

Acute Oral LD₅₀ chickens 32mg/kg

Dangerous to fish.

Active ingredient is toxic to fish;

LC₅₀ (96 hrs) Rainbow trout 0.003mg/L.

LC₅₀ goldfish: 0.18mg/L (24 hrs)

Mosquito fish: <1mg/L (24 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;

- Triple rinsing with water. Add the rinsings to the tank mix or dispose of rinsate in a disposal pit away from desirable plants and roots, and watercourses. On-site disposal of undiluted product is unacceptable.
- 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:

Classified as Dangerous Goods according to the criteria of the ADG Code, International Maritime Dangerous Goods Code (IMDG) and the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by road and rail, sea and air.

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UN No: 3018

Proper Shipping Name: ORGANOPHOSPHOROUS
PESTICIDES, LIQUID, TOXIC, N.O.S. (CONTAINS
CHLORPYRIFOS)

Class: 6.1

Packing Group: III

MARINE POLLUTANT

Hazchem code: 2X

Class 6.1 Poisonous Substances shall not be loaded
in the same vehicle or packed in the same freight
container with incompatible materials

15. REGULATORY INFORMATION:

POISON SCHEDULE: S6

Signal word: POISON

This product is registered with the Australian
Pesticides and Veterinary Medicines Authority.
APVMA number 53192

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: Emergency Services
Ph: 000

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