

POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TITAN

CHLORPYRIFOS 500

TERMITICIDE & INSECTICIDE

ACTIVE CONSTITUENT: 500g/L CHLORPYRIFOS
SOLVENT: 474g/L HYDROCARBON LIQUID

GROUP **1B** INSECTICIDE



For the control of certain insect pests in various situations and for treatment of termite nests in wall cavities in accordance with AS3600.2 as per the Directions For Use table.

THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS. DO NOT USE THIS PRODUCT IN OR AROUND THE HOME.

APVMA Approval No.: 50387/RV24

Pack Size: 1L; 5L; 20L; 110L; 200L; 1000L



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|--|---|
| EC | Formulation Type Emulsifiable Concentrate |
| IN A TRANSPORT EMERGENCY • DIAL 000 • POLICE OR FIRE BRIGADE | |
| | UN NO. 3018 ORGANOPHOSPHORUS PESTICIDES, LIQUID TOXIC (chlorpyrifos), ENVIRONMENTALLY HAZARDOUS, MARINE POLLUTANT PACKAGING GROUP: III HAZCHEM CODE: 2X |

DIRECTIONS FOR USE

Restrains:

- DO NOT use in or around publicly accessible residential, public or commercial areas.
- DO NOT use in areas accessible to children.
- DO NOT apply by aircraft.
- DO NOT apply using equipment carried on the back of the user.
- DO NOT apply using mechanically pressurized hand wand sprayer.
- DO NOT spray polycarbonate surfaces/roof sheeting or aged vinyl wall cladding as solvent may cause etching.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

- DO NOT allow bystanders to come into contact with the spray cloud.
- DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
- DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.
- DO NOT apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.
- DO NOT apply by a boom sprayer unless the following requirements are met:
 - Spray droplets not smaller than a MEDIUM spray droplet size category.
 - Minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer Zones for Boom Sprayers') are observed.

| Buffer Zones for Boom Sprayers | | | | | | |
|--------------------------------|-------------------------------------|--|-----------------------|------------------|------------------|-----------------|
| Application rate | Boom height above the target canopy | Mandatory downwind buffer zones (metres) | | | | |
| | | Bystander areas | Natural aquatic areas | Pollinator areas | Vegetation areas | Livestock areas |
| Up to 260mL | 0.5m or lower | 5 | 240 | 0 | 0 | 0 |
| 140mL or lower | 0.5m or lower | 0 | 110 | 0 | 0 | 0 |
| | 1.0m or lower | 20 | 350 | 10 | 0 | 10 |
| 70mL or lower | 0.5m or lower | 0 | 55 | 0 | 0 | 0 |
| | 1.0m or lower | 10 | 150 | 0 | 0 | 0 |

| HORTICULTURAL AND FIELD CROPS | | | |
|---|---|-----------------|---|
| CROP | INSECT | RATE | CRITICAL COMMENTS |
| Brassica Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower | Blue Oat Mite, Redlegged Earth Mite | 140mL/ha | DO NOT apply after 14 days of transplanting. For severe infestations, use of this product may not result in full control of pests. DO NOT apply more than once per year. |
| Forage Crops | Blue Oat Mite, Redlegged Earth Mite | 70 to 140mL/ha | Spray when pests appear in large numbers, 3-6 weeks after autumn rains. DO NOT apply after stem elongation or rosette growth senescence (BBCH ≥40). |
| | Lucerne Flea | 70mL/ha | Avoid spraying when pests are sheltering. Spray when at least 2.5cm cover of crop is present. DO NOT spray if rain is imminent. DO NOT apply more than once per year. |
| Lucerne, Clover Seed Crops | Blue Oat Mite, Redlegged Earth Mite | 140 to 260mL/ha | Apply as ground spray immediately prior to seedling emergence using sufficient water to give good cover. DO NOT apply after seedling emergence. DO NOT apply more than once per year. |
| Lucerne and Medics in Forage Crops | Spotted Alfalfa Aphid, Bluegreen Aphid, Pea Aphid | 200 to 260mL/ha | Spray when aphids first appear. Seedling Lucerne, Medics: Apply 1-2 aphids/plant are observed. DO NOT apply once side shoots start to appear (BBCH ≥20). When a large number of aphids are invading the crop, use of this product may not result in full control of pests. DO NOT use on established Lucerne. DO NOT apply more than once per year. |

| MISCELLANEOUS SITUATIONS | | | |
|--|--|---|---|
| SITUATION | PEST | RATE | CRITICAL COMMENTS |
| Commercial and industrial areas not accessible to the public | Ants including Argentine Ants (outdoor use only) | 95mL/10L of water Use at least 1L spray/10m ² infested area | Locate ant nests and treat appropriately. Spray ant tracks or where ant activity is noticed. Apply to paths in continuous 300mm bands. Apply to base of buildings, walls, fences, rock-works, trunks of shrubs and trees, and other hard surfaces to a height of 300mm. |
| | Fleas (outdoor use only) | 90mL/10L of water | Apply as a fine droplet spray. Outdoors only: Treat areas where animals frequent. Remove animals during treatment and until spray deposit is dry. DO NOT treat pets with this product. Pets should be treated with a product registered for application to animals. |

| MISCELLANEOUS SITUATIONS – continued | | | |
|--|----------------|--|--|
| SITUATION | PEST | RATE | CRITICAL COMMENTS |
| Hides/skins | Hide Beetles | 200mL/100L of water Use at least 30mL of spray/skin | Apply spray to flesh side of skins or hides sufficient to moisten them. Ensure coverage of ears and lugs. To minimise the chance of later infestations, storage area should be sprayed regularly. Repeat application every 3 months. |
| Treatment of termite nest or colony in wall cavities | Termite colony | 110mL/10L of water | Once the nest or colony has been located it should be broken open and flooded with emulsion. If the nest is not accessible, holes should be drilled into the nest and the termiticide injected. In order to ensure eradication, the position of the royal cell should be identified by using a temperature probe and the immediate areas around it targeted. Refer to Australian Standard Series AS 3660. DO NOT treat outdoor nests, including nests located in trees. |

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIODS:

GRAZING

Forage Crops, Lucerne, Clover Seed Crops and Medics: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION.

HARVEST

Brassica Crops: NOT REQUIRED WHEN USED AS DIRECTED.

TRADE ADVICE

Livestock Destined for Export Markets: The label withholding periods for grazing only apply to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the ESI is observed before stock are sold or slaughtered.

EXPORT SLAUGHTER INTERVALS (ESIs)

Grazing animals: Grazing animals that have been grazing on or fed treated crops should be placed on clean feed for 21 days prior to slaughter for export.

Pigs: Pigs that have been fed treated crops should be placed on clean feed for 14 days prior to slaughter for export.

GENERAL INSTRUCTIONS

MIXING

Half fill the spray tank with clean, fresh water and add the required amount of TITAN Chlorpyrifos 500 Termiticide & Insecticide then add the remaining water with the agitator running. Only mix sufficient chemical for each day's work.

CLEANING SPRAY EQUIPMENT

After using TITAN Chlorpyrifos 500 Termiticide & Insecticide, empty the spray equipment completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose and drain. To wash the system, quarter fill the tank with clean water and circulate through the lines, hoses and nozzles. Drain and repeat the washing procedure twice. Dispose of rinsate/rinse water in compliance with relevant Local, State or Territory government regulations.

SMALL SPILL MANAGEMENT

Wear appropriate clothing and protective equipment whilst cleaning up small spills (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, cat litter or clay granules to the spill. Sweep up contaminated material and contain in a refuse vessel for disposal. If spilled inside a building, wash contaminated surfaces to deactivate the chlorpyrifos with a dilute solution of bleach (sodium hypochlorite), prepared according to the bleach label instructions. Dispose of the contaminated material in accordance with STORAGE AND DISPOSAL instructions below.

TERMITE NESTS

Subterranean termites may establish a colony in a building without having contact with the soil because they have access to a continuous supply of moisture (eg. from a faulty plumbing fixture or leaking roof). Such colonies are not affected by chemical soil barriers and should be treated as recommended for established colonies, as per Australian Standard Series AS 3660. TITAN Chlorpyrifos 500 Termiticide & Insecticide may be applied directly to the termite colony in such situations.

INSECTICIDE RESISTANCE WARNING

For insecticide resistance management TITAN Chlorpyrifos 500 Termiticide & Insecticide is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to TITAN Chlorpyrifos 500 Termiticide & Insecticide and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if TITAN Chlorpyrifos 500 Termiticide & Insecticide or other Group 1B insecticides are used repeatedly. The effectiveness of TITAN Chlorpyrifos 500 Termiticide & Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, TITAN AG Pty Ltd accepts no liability for any losses that may result

GROUP **1B** INSECTICIDE

from the failure of TITAN Chlorpyrifos 500 Termiticide & Insecticide to control resistant insects. TITAN Chlorpyrifos 500 Termiticide & Insecticide may be subject to specific resistance management strategies. For further information contact your local supplier or TITAN AG representative.

PRECAUTIONS

Re-entry to Treated Crops: DO NOT enter treated Brassica Crops for 8 days after treatment for scouting, hand harvesting or hand weeding. DO NOT enter treated Forage Crops, Lucerne Crops, Clover Seed Crops or Medics for 2 days after treatment for scouting or for 8 days after treatment for irrigation (hand set). When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be washed after each day's use.

These re-entry intervals do NOT apply if crops are treated pre-emergence or product is applied to soil at seed planting.

Re-entry to Treated Areas – Termiticide Use: DO NOT permit re-occupation of any premises until treated areas are completely dry (normally 3-4 hours) and adequately ventilated.

PROTECTION OF PETS AND LIVESTOCK

Before spraying, remove animals and pets from buildings and other areas to be treated. Cover or remove any open food and water containers. Cover or remove fish tanks before spraying. DO NOT allow animals and pets to contact treated areas for at least 24 hours.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field run-off for at least 3 days after application.

Toxic to birds and wild mammals. However, the use of this product as directed is not expected to have adverse effects on birds or wild mammals.

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS

Highly toxic to bees. To protect bees and pollinating insects, do NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.

INTEGRATED PEST MANAGEMENT

Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.



STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Non-refillable metal or plastic containers: Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

Refillable containers: Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated exposure may cause allergic disorders. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes and skin. Avoid contact with eyes and skin. DO NOT inhale vapour or spray mist. When opening the container, preparing the spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, face shield or goggles, chemical resistant footwear and a half facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles, respirator (if rubber wash with detergent and warm water) and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

First Aid Warnings: Breathing vapour or spray mist is harmful and may cause an asthma-like reaction.

WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Chlorpyrifos 500 Termiticide & Insecticide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

CONDITIONS OF SALE: TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Combustible liquid. Toxic if swallowed. Very toxic to aquatic life with long lasting effects. **Precautionary Statements:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. **IF SWALLOWED:** Immediately call a POISON CENTER/ doctor. Specific treatment (see on this label). Rinse mouth. In case of fire: Use CO₂, powder or water spray to extinguish. Collect spillage. Store in well-ventilated place. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

