

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

PREFOS TERMITICIDE

ACTIVE CONSTITUENT: 450g/L CHLORPYRIFOS (an anticholinesterase compound)
SOLVENT: 332g/L HYDROCARBON LIQUID

GROUP	1B	INSECTICIDE
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For Pre-Construction control of subterranean termites.

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

IMPORTANT: RESTRICTED CHEMICAL PRODUCT
ONLY TO BE SUPPLIED TO, OR USED BY, AN AUTHORISED PERSON.

5L/20L/200L

NRA Approval Number: 51592/

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DIRECTIONS FOR USE**RESTRAINTS**

DO NOT apply to soils if excessively wet or immediately after heavy rain to avoid runoff of chemical.

DO NOT disturb the treated soil barrier with subsequent construction of additions or alterations, paths, steps, flower beds etc.

DO NOT use this product at less than indicated label rates.

DO NOT use on alkaline soils in SA (use on neutral and acid soils only) or on dolomite based sub-slab bedding material.

RATES OF APPLICATION

IMPORTANT: For protection of buildings from termite attack, it is important to ensure uniform distribution of the Prefos Termiticide emulsion in both a continuous horizontal barrier under the building, and a horizontal and vertical barrier around the building. Adherence to the procedures included in Australian Standard Series 3660 which specifies requirements for chemical treatment will, in addition to this label, guide the operator in achieving a continuous barrier. Application equipment must be fitted with a flow meter and pressure regulator on the application device.

NOTE: THE TERMITICIDE BARRIER PROVIDED BY THIS PRODUCT HAS A FINITE LIFE. THIS, TOGETHER WITH THE RECOMMENDATION TO UNDERTAKE ANNUAL INSPECTIONS, MUST BE STATED ON THE DURABLE NOTICE REQUIRED BY THE B.C.A.B.1.3.(j)(ii).

SITUATION	PEST	RATE	CRITICAL COMMENTS
Protection of houses, factories, industrial and commercial buildings, public premises and farm buildings under construction.	Subterranean termites, South of the Tropic of Capricorn	Horizontal Barriers: Use 110mL/m ² Vertical Barriers: Use 220mL / 10L	Horizontal Barriers: Use 110mL of Prefos Termiticide / 5L of water and apply mixture (the Emulsion) at 5L/m ² . See APPLICATION VOLUME in GENERAL INSTRUCTIONS section for other recommended dilution rates. Vertical Barriers: Use 220mL of Prefos Termiticide /10L. 220mL/10L is equivalent to a 1% active ingredient emulsion.

Subterranean	Horizontal Barriers:	Horizontal Barriers:
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termites including <i>Mastotermes darwiniensis</i> north of the Tropic of Capricorn	Use 110mL/m ² Vertical Barriers: Use 220mL/10L	(See above) Vertical Barriers: (see above) At this use rate, the expected life of the under-slab treatment and the external barrier is at least 4 years and 2 years respectively. Therefore, this rate must be used in conjunction with an approved reticulation system such as, Slabset™, Altis® or Termguard®.
Subterranean termites, including <i>Mastotermes darwiniensis</i> north of the Tropic of Capricorn.	Horizontal Barriers: Use 220mL/m ² . Vertical Barriers: Use 440mL/10L	Horizontal Barriers: Use 220mL of Prefos Termiticide/5L of water and apply mixture (the emulsion) at 5L/m ² . See APPLICATION VOLUME in GENERAL INSTRUCTIONS section for other recommended dilution rates. Vertical Barriers: Use 440mL of Prefos Termiticide/10L. 440mL/10L is equivalent to a 2% active ingredient emulsion. At this rate, the expected life of the under-slab treatment and the external barrier is at least 6 years and 3 years respectively.

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

1. CONCRETE SLAB:

a) Treatment before laying the slab

Reticulation System Application:

A horizontal barrier may be applied under a concrete slab through a previously installed Altis® reticulation system by their licensed operators, as per their installation manuals. The actual treatment should be applied as soon as possible after laying the floor, but not within 28 days. Subsequent treatments to prevent termite attack can be made when considered necessary.

Altis® South of the Tropic of Capricorn use 110mL of Prefos Termiticide/10L of water/m².
 North of the Tropic of Capricorn use 220mL of Prefos Termticide/10L of water/m².

b) **External Barrier:** On completion of the building, an external barrier should be installed around the perimeter. This barrier must consist of at least a 300mm wide horizontal barrier adjoining a 150mm wide (at least) vertical barrier. The external barrier should circumference all pipes and service facilities. **An external barrier is an essential part of the treatment.**

i) **Vertical Barrier:** The vertical barrier should reach down to the top of the footings. To achieve this trench to the top of the footings and where this is not possible, a combination of trenching (preferably at least 300mm deep) and rodding into the base of the trench may be necessary.

Apply Prefos Termiticide emulsion at 100L per cubic metre of backfill soil, this equates to 4.5L of emulsion/linear metre of a trench 150mm wide and 300mm deep. Where the required vertical barrier is deeper than 300 mm, ensure the same rate of application for the extra volume of soil.

Use a shrouded rose head shower nozzle operated at 170kPa to flood the base of the open trench and also to treat the backfill soil as it is replaced into the trench to ensure even distribution. Where rodding is necessary, rod before the 300mm deep trench is treated using the spacings in the following table.

Rod Spacings:

Heavy Clay	Clay Loams	Sands
150mm	200mm	300mm

Use a soil injector with a B&G or similar multi-directional tip operated at 170kPa and insert the rod to the foundation foot as close as possible to the house wall ensuring the chemical is applied during insertion and withdrawal. The 4 way tip needs to be rotated 90 degrees and the 3 way tip 180 degrees, during the operation.

ii) **Horizontal Barrier:** Use a shrouded rose head shower nozzle operated at 170kPa to apply the required rate of Prefos Termiticide in a total volume of 5L of emulsion/m² to form a barrier in soil loosened to a depth of 80mm. (see **Application Volume Section under General Instructions**).

2. SUSPENDED FLOORS:

Install horizontal and vertical barriers as specified in Australian Standard Series 3660 to abut all substructure walls, stumps, piers, pipes and wastes using the techniques described above for **external barriers around concrete slabs**. Apply the required rate of Prefos Termiticide in a total volume of 5L of emulsion/m² (See **Application Volume Section**). If the barrier is disturbed by any means, retreat to restore continuity. **Note:** it is unnecessary to treat the entire sub-floor soil where there is access for maintenance and inspection.

3. RETREATMENT/SERVICE REQUIREMENT:

Regular competent inspection is required to determine the need for retreatment. Annual inspection by a licensed Pest Control Operator is recommended.

At the 1% application rate:

The expected life of the under floor barrier is at least 4 years north and 10 years south of the Tropic of Capricorn.

The expected life of the external barrier is at least 2 years north 5 years south of the Tropic of Capricorn.

The actual period of protection will depend on factors such as termite hazard, climate, soil conditions and soil disturbance.

GENERAL INSTRUCTIONS

CONDITIONS FOR USE BY AUTHORISED PERSONS

The Pest Control Operator must be licensed under State legislation. The Pest Control Operator must supervise the installation of the moisture membrane and the building workers must wear appropriate protective equipment while laying the moisture membrane.

RE-ENTRY TO TREATED AREAS

- **Suspended Floors:** Allow treated areas to completely dry (normally 3-4 hours)
- **Concrete Slabs:** Re-entry permitted after laying of the moisture membrane.
- **Post-Construction:** DO NOT permit re-occupation until of any premises until treated areas are completely dry (normally 3-4 hours) and adequately netilated.

APPLICATION VOLUME

- To compensate for impervious soils such as clays where application of 5L/m² would cause run-off it may be necessary to apply a volume of emulsion rate less than 5L/m². When reducing the volume of emulsion used, increase the concentration accordingly to match the label rate by mixing the required amount of Prefos Termiticide per m² in a lesser volume of water. Do not use emulsion volumes less than 2L for every square metre to be treated.

MIXING

- Half fill the spray tank with water and add the required amount of Prefos Termiticide, then add the remaining water with the agitator running. Preferably mix sufficient chemical for each specific application.

CLEANING SPRAY EQUIPMENT

- After using Prefos Termiticide, 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 pump, lines, hoses and nozzles. Drain and repeat the washing procedure twice.
- Disposal of rinsate/rinse water in accordance with Storage and Disposal instructions below.

PRECAUTIONS

- DO NOT spray into the air or directly on humans, pets or animals. DO NOT allow animals and pets to contact treated areas for at least 24 hours.
- DO NOT apply inside buildings except as a crack and crevice treatment. DO NOT apply to surface areas such as interior floors or walls.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

- **DO NOT** spray directly on to the foliage of plants as damage to some species is possible.
- DANGEROUS TO BEES. **DO NOT** spray any plants in flower while bees are actively foraging.
- **DANGEROUS** to fish. VERY HIGHLY TOXIC TO FISH AND AQUATIC INVERTEBRATES. Rinse waters, and run-off from treated areas MUST NOT enter drains or waterways. For under-slab treatments, the moisture membrane MUST be installed immediately after treatment. Do NOT apply if heavy rains are expected to occur within 48 hours of application. **DO NOT** contaminate streams, rivers or waterways with the chemical or used container.
- HIGHLY TOXIC TO BIRDS. Do NOT treat fill unless it has been placed back in the trench to form the chemical soil barrier.

INSECTICIDE RESISTANCE WARNING

GROUP	1B	INSECTICIDE
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For insecticide resistance management Prefos Termiticide is a Group 1B Insecticide.

Some naturally occurring insect biotypes resistant to Prefos Termiticide 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 Prefos Termiticide or other Group 1B insecticides are used repeatedly. The effectiveness of Prefos Termiticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to

detect prior to use, ChemAg Pty Ltd accepts no liability for any losses that may result from the failure of Prefos Termiticide to control resistant insects.

Prefos Termiticide may be subject to specific resistance management strategies. For further information contact your local supplier, ChemAg Pty Ltd representative or local agricultural department agronomist.

SMALL SPILL MANAGMENT

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 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.

STORAGE AND DISPOSAL

- Store in closed, original containers in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
- Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 bury empty containers in a local authority landfill. If there is no local landfill readily available in your area, bury the containers at a depth of 500mm in a disposal pit specifically marked and set up for this purpose clear waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
- Rinsate/rinse water should be disposed of in accordance with State legislation and should preferably be sprayed on to an application site or added as up to 10% of the diluent the next time this product or another similar termiticide is used. Do not put down sewers, gutters or storm water drains.

SAFETY DIRECTIONS

For Use As A Termiticide

- Product is poisonous if absorbed by skin contact, inhaled or swallowed.
- Repeat exposure may cause allergic disorders.
- Repeated minor exposure may have a cumulative poisoning effect.
- Obtain an emergency supply of atropine tablets 0.6mg.

- Will irritate the eyes and skin.
- Avoid contact with eyes and skin.
- If product in eyes, wash it out immediately with water.
- If product on skin, immediately wash area with soap and water.
- **DO NOT** inhale vapour or spray mist.
- When opening the container, preparing the spray, using the prepared spray wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, chemical resistant footwear, elbow-length PVC gloves, goggles and a half-face respirator with combined dust and gas cartridge.
- If clothing becomes contaminated with product or wet with spray, remove clothing immediately.
- 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, goggles, respirator or face piece and contaminated clothing with a 10% bleach solution.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone 131126).

If swallowed, induce vomiting, preferably using Ipecac Syrup APF, and give one atropine tablet every five minutes until dryness of the mouth occurs.

If poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above.

Get to a doctor or hospital quickly.

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

CONDITIONS OF SALE

1. All goods supplied are made from high grade materials and are believed to be suitable for use.
2. As no control can be exercised over storage, handling, mixing, application or weather, plant or soil conditions before during or after application, (and all of which may affect the performance of the goods.) NO RESPONSIBILITY for or liability for any failure in performance, losses, damages, or injuries (consequential or otherwise) arising from such storage, mixing, application, or use will be accepted under any circumstances whatsoever, and buyer accepts all responsibility for use of this product.
3. These conditions cannot be modified, varied or waived by our staff, distributors or retailers, whether or not they advise or assist in the storage, handling, mixing or use of the goods and such persons shall be entitled to the benefit of Clause 2.
4. MAXIMUM LIABILITY. Liability is limited to replacement of faulty goods only.

<p>POISON 6 (diamond)</p>	<p>UN No. 3018 (PESTICIDES ORGANOPHOSPHORUS, LIQUID, TOXIC, N.O.S.) PKG III HAZCHEM 3WE In a Transport Emergency DIAL 000 Police or Fire Brigade</p>
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Batch Number:

Date of Manufacture: