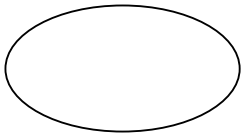
POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



PERMETHRIN 500

TIMBER AND RESIDUAL INSECTICIDE

Active Constituent: 500g/L PERMETHRIN 25:75
Solvent: 342g/L LIQUID HYDROCARBONS

GROUP	3A	INSECTICIDE

For the control of a range of insect pests in various situations as per the Directions for Use table.

A & C Rural
ABN 52 010 865 317
Lot 96 Potassium Street
Narangba Qld 4504
Ph: (07) 3203 3944

D.O.M.: Contents:** Litres

Batch no: NRA Approval no: 53372/

** THIS LABEL IS FOR 5L, 10L, 20L, 110L, 200L & 1000L PACK SIZES

GENERAL INSTRUCTIONS:

INSECTICIDE RESISTANCE WARNING:

GROUP 3A INSECTICIDE

For insecticide resistance management, Country Permethrin 500 Timber and Residual Insecticide is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to Country Permethrin 500 and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Country Permethrin 500 or other Group 3A insecticides are used repeatedly. The effectiveness of Country Permethrin 500 on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, A & C Rural accepts no liability for any losses that may result from the failure of Country Permethrin 500 to control resistant insects. Country Permethrin 500 may be subject to specific resistance management strategies. For further information, contact your local supplier or A & C Rural representative.

LARGE SCALE OR COMMERCIAL OPERATIONS FOR DIP/SPRAY TREATMENT OF FELLED LOGS, POLES, POSTS AND SAWN TIMBER.

Country Permethrin 500 can be mixed with either diesel, light oil or water. Choice of carrier depends on anticipated exposure to water. Total exposure requires diesel. For timber under shelter, use light oil or water.

Application in diesel will survive up to 3 months exposure in open. Water and light oil applications should be protected, to achieve maximum effectiveness of up to 3 months. Agitate frequently and replenish dip as required.

Local Water Authorities should be advised of the proposed use of Country Permethrin 500.

REMEDIAL TREATMENT OF TIMBER

For protection, in situ timbers may be treated by spraying or brushing with Country Permethrin 500 according to the directions for use. Do not use diesel distillate. If the opposite surface is covered, stained or varnished, it should be fully cured before Country Permethrin 500 is applied, especially if the timbers to be treated are old and cracks, holes or gaps are present. Test a small area to ensure that solvent penetration through timbers will not adversely affect the timber finish or floor coverings.

PLYWOOD MANUFACTURE

Use with water. Production and handling of green veneers will vary from site to site. A shallow dip bath for treating veneers must be constructed. Throughput rate and liquid uptake of veneers has to be established. Replacement of appropriately diluted product can be constant or periodic.

AIRCRAFT DISINSECTION

Use with water only. Treatment should be carried out in accordance with relevant Australian Quarantine Inspection Service requirements.

PRECAUTIONS:

Treated timber must not come into contact with foodstuffs, e.g. in packing cases or places where food is prepared or stored.

Avoid contact with food, food utensils, or places where food is prepared or stored. Before use, remove or cover all exposed foodstuffs. Cover all dishes and utensils, and places where food is prepared or stored.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish, and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

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

Triple rinse or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Product is harmful if swallowed. Will irritate the eyes, nose, throat and skin. Avoid contact with eyes and skin and do not inhale spray mist. When opening the container and preparing treatment mixture, wear elbow length PVC gloves and face shield. 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 and contaminated clothing.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre (Ph: 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional Information is listed in the Material Safety Data Sheet available from A & C Rural upon request.

CONDITIONS OF SALE:

The use of Country Permethrin 500 Timber and Residual Insecticide being beyond the control of the manufacturer, no warranty expressed or implied is given by A & C Rural regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and A & C Rural accepts no responsibility for any consequence whatsoever resulting from the use of this product.

THIS PRODUCT IS NOT CLASSIFIED AS A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL
IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE

BAR CODE DETAILS

DIRECTIONS FOR USE:

SITUATION	PEST	RATE	CRITICAL COMMENTS
Felled logs, poles, posts and sawn timber	Auger beetle (family Bostrychidae), powder post beetles (family Lyctidae), pinhole borers (family Platypodidae), furniture beetles (family Anobiidae)	20mL in 10L diesel, light oil or water	(i) Logs, posts and poles (especially when newly fallen or freshly peeled) – use Knapsack or Power Sprayer at 700mL per m^3. (ii) Sawn timber – apply at 1L per 20 m^2 of surface area.
Remedial treatment of timber in buildings	Drywood termites *Cryptotermes primus, C. brevis, C. domesticus* – in QLD, NSW, NT and WA only	40mL in 10L of non-staining oil or kerosene	Applicable only to surfaces which will adsorb the solution. Hence varnished, painted or polished surfaces need to be sanded down to ensure penetration of the solution. Apply at 1L per 20 m^2 of surface area or to the point of run off. Drill damaged areas and inject solution until timber is unable to absorb more liquid Treat all infested areas (as indicated by expulsion of frass) for maximum effect. A single application may be sufficient. Continued expulsion of frass may be due to movement of timber. Do not use diesel in or under living areas as odours and staining may occur. See GENERAL INSTRUCTIONS.
	Auger beetle (family Bostrychidae), powder post beetles (family Lyctidae), pinhole borers (family Platypodidae), furniture beetles (family Anobiidae)	20mL in 10L non-staining light oil or deodorised kerosene or water.	
Sawn and round timbers for treatment by vacuum impregnation	Powder post beetle, furniture beetle	12mL per 100kg timber	1) Calculate uptake of suitable diluent e.g. white spirit per 100kg of timber. 2) Dilute Country Permethrin 500 in white spirit as calculated above. 3) Apply to timber through vacuum treatment equipment in accordance with manufacturer's direction. 4) Ensure amount of white spirit uptake equals that calculated in 1).
	Termites including *Coptotermes acinaciformis* – Not in Tas	40mL per 100kg timber	
Groundline treatment of power poles	Subterranean termites including *Coptotermes* sp – in all States south of Tropic of Capricorn except Tasmania	40mL in 10L creosote or 100mL in 10L process oil	Excavate 30cm around pole to a depth of 30-40cm. Apply 5L of mixture to the pole at ground level and puddle the backfill with remaining 5L.
Softwood particleboard manufacture	Subterranean termites (incl. *Mastotermes darwiniensis),* timber beetles – Not in Tas.	0.56mL per kg dry fibre (gives 0.3g permethrin 25:75 per kg)	Dilute as required for metered addition into the glue. Add sufficient Country Permethrin 500 to achieve weight of the fibre component only of the boards.
Processing and manufacture of softwood plywood	Termites, including *Coptotermes acinaciformis,* subterranean termite; *Mastotermes darwiniensis,* giant termite – Not in Tas	360mL per m^3 dry veneer (gives 180g permethrin 25:75 per m^3)	1) Calculate the uptake of solution by veneers traversing a shallow dip bath. 2) Dilute as required to ensure the mean target application of Country Permethrin 500 per m^3 dry veneer. Dip uptake of individual veneers will vary. Hence the average uptake should be assessed rather than that of individual veneers on the basis of shift or daily throughput. Use in accordance with AQIS Cargo Containers, Quarantine Aspects and Procedures
Processing and manufacture of softwood and hardwood plywood for export	Quarantine timber insects	240mL per m^3 dry veneer (gives 120g permethrin 25:75 per m^3)	

Household and industrial situations	Ants, cockroaches, fleas, flies, mosquitoes, spiders, silverfish	50mL in 10L of light oil or water	All dilutions should be applied to the point of runoff, using 5L of prepared spray per 100 to 150m^2, depending on the porosity of the sprayed material. Porous surfaces such as brick, cement, ceramic (unglazed), etc, adsorb the spray, and hence more spray is needed to deliver the required surface deposit. Spray in cracks, crevices and other insect harbourages.
Aircraft	Cockroaches, moths, beetles, mosquitoes	Initial: 200mL in 5L of water Routine: (monthly): 100mL in 5L of water	Apply to carpets and other fabrics at 25mL spray mix per m^2 and to other surfaces at 10mL spray mix per m^2.
Repellent treatment of fabric (excluding clothing) and mosquito nets (i) Nylon (ii) Cotton and cotton blends	Mosquitoes, biting flies	(i) 15mL in 500mL of water (ii) 15mL in 2L of water	The dilution rate depends on the water uptake rate of the material. Dip thoroughly for two minutes. Drain, then dry, preferably laid flat on a non-absorbent surface. Nets should not be hung up to drain.
Carpets, rugs and fabrics	Carpet beetle *(Anthrenus flavipes),* Variegated carpet beetle *Anthrenus verbasci),* Webbing clothes moth *(Tineola bisselliella,* Case-making clothes moth *(Tinea pellionella)*	50mL in 10L of water	Apply sufficient diluted spray to penetrate carpet pile or fabric (50mL spray mix per m^2). Apply as a surface treatment only It is recommended that application to a small, non-conspicuous, test area of the carpet, rug or fabric be made first to determine that staining and damage will not occur.
Repellent treatment of clothing of ADF personnel	Biting Insects	12mL per 1L water	Dip treat for two minutes. Pre-dry on a horizontal non-absorbent surface before hanging up to dry, to prevent excessive dripping. Use in accordance with the Australian Defence Force Publication ADFP 705 Pesticides Manual.

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