

LABEL

POISON

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

CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE

ACTIVE CONSTITUENT: 500 g/L Permethrin 25:75
SOLVENT: 457 g/L LIQUID HYDROCARBON

GROUP	3A	INSECTICIDE
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For control of a range of insect pests in various situations as per the
Directions for use Table.

IMPORTANT: THIS LEAFLET IS PART OF THE LABEL.
READ THOROUGHLY BEFORE OPENING OR USING.

Contents: 500 mL
1 Litres
5 Litres
20 Litres

Sherwood Chemicals Australasia Pty Ltd
Level 3, 1060 Hay Street
WEST PERTH 6005
AUSTRALIA
Tel: 08 9219 4683
Fax: 08 9219 4672

CHAINDRITE PERFORCE 500 Residual Insecticide

STORAGE, SPILLAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. 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 500 mm 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.

SPILLAGE

In case of spillage, confine and absorb spilled product with absorbent material such as sand, clay or cat litter and dispose of waste according to the Australia Standard 2507 – Storage and Handling of Pesticides. DO NOT allow spilled products to enter sewers, drains, creeks or any other waterways.

SAFETY DIRECTIONS

Product is harmful if swallowed. Will irritate the eyes, nose and throat and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container and preparing spray or dip, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) elbow-length PVC gloves and face shield or goggles. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET.

If additional hazard information is required refer to the Material Safety Data Sheet (MSDS). For a copy, phone 0421 667 972 or visit our website at www.sherwoodchemicals.com.au

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY: The statements, technical information and recommendations contained herein are believed to be accurate. Since the conditions and methods of use of this product and of the information referred to herein are beyond our control, Sherwood Chemicals expressly disclaims any and all liability as to any results obtained or arising from any use of this product or reliance on such information. No warranty to fitness for any particular purpose, warranty or merchantability or any other warranty, express or implied, is made concerning the goods described or the information provided herein nor shall Sherwood Chemicals be liable for any loss, damage or injury, direct or consequential, arising out of the use of this product.

In a transport emergency dial 000, Police or Fire Brigade.
For specialist advice in an emergency only,
Call 0421 667 972 (24 hours).

APVMA Approval No.:

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APVMA Approval No: 63797/ 0709

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DIRECTIONS FOR USE:				
SITUATION	PEST	STATE	RATE	CRITICAL COMMENTS
Felled logs, poles, posts and sawn timber	Auger Beetles (Family Bostrychidae), Powder Post Beetles (Family Lyctidae), Pinhole Borers (Family Platypodidae), Furniture Beetles (Family Anobiidae)	All States	20 mL/10 L diesel, light oil or water	1. Logs, posts and poles (especially when newly fallen or freshly peeled) use knapsack or Power Sprayer at 700 mL per m ³ 2. Sawn timber apply at 1 L per 20 m ² of surface area.
Remedial treatment of timber in buildings	Drywood termites, Cryptotermes primus, C. brevis, C. Domesticus	Qld, NSW, NT only	40 mL/ 10 L non – staining oil or kerosene	Applicable only on surfaces which will absorb the solution, hence varnished, painted or polished surfaces need to be sanded down to ensure penetration of the solution. Apply at 1 L/20 m ² of surface area or to the point of run of. 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.
Sawn and round timbers for treatment by vacuum impregnation	Powder Post Beetles, Furniture Beetles	All States	12 mL/100 kg timber	1. Calculate uptake of suitable diluent e.g. White spirit/100 kg of timber. 2. Dilute CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE in white spirit as calculated above. 3. Apply to timber through vacuum treatment equipment in accordance with manufacturer's directions. 4. Ensure amount of white spirit uptake equals that calculated in 1.
	Termites including Coptotermes acinaciformis	Qld, NSW, Vic, SA, WA, NT only	40 mL/100 kg timber	
Groundline treatment of power poles	Subterranean termites including Copotermes spp.	All States South of Tropic of Capricorn except Tasmania	40 mL in 10 L creosote or 100 mL in 10 L process oil	Excavate 30cm around pole to a depth of 30-40 cm. Apply 5 L of mixture to the pole at ground level and puddle the backfill with remaining 5 L.
Softwood particleboard manufacture	Subterranean termites (including Mastotermes darwiniensis), Timber Beetles	Qld, NSW, VIC, SA, WA, NT only	0.56 mL/kg dry fibre (gives 0.3 g permethrin 25:75/kg)	Dilute as required for metered addition into the glue. Add sufficient CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE to treat weight of the fibre component only of the boards.
Processing and manufacture of softwood plywood	Termites, including Captotermes acinaciformis, Subterranean Termites, Mastotermes darwiniensis, Giant Termite	Qld, NSW, VIC, SA, WA, NT only	360 mL/m ³ dry veneer (gives 180 g permethrin 25:75/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 CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE/m ³ dry veneer. Dip uptake of individual veneers will vary hence the average uptake should be assessed rather than of individual veneers on the basis of shift or daily throughput.
Processing and manufacture of softwood and hardwood plywood for export in compliance with DPIE Quarantine regulations for cargo containers	Quarantine timber insects	All States	240mL/m ³ dry veneer (gives 120 g permethrin 25:75/m ³)	
Household and industrial situations	Ants, cockroaches, fleas, spiders, silverfish	All States	50ml/10 L of light oil or water	All dilutions should be applied to the point of run-off. That is, at the rate of 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. absorb the spray and hence more spray is needed to deliver the required surface deposit. Spray in cracks, crevices and other insect harbourages.

DIRECTIONS FOR USE				
Aircraft	Cockroaches, moths, beetles	All States	<u>Initial</u> : 200 mL in 5 L water <u>Routine</u> : (Monthly) 100 mL in 5 L water	Apply to carpets and other fabrics at 25 mL spray mix per m ² and to other surfaces at 10 mL spray mix per m ² .
Repellent treatment of fabric (excluding clothing) and mosquito nets (i) Nylon (ii) Cotton/cotton blends	Mosquitoes, biting flies	All States	i) 15 mL in 500 mL of water ii) 15 mL in 2 L 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.
			12 mL/1 L of water	Dip treat for two minutes, pre-dry on a horizontal non – absorbent surface before hanging up to dry to prevent excessive dripping.
Repellant treatment of clothing of ADF personnel in accordance with the Australian Defence Force Publication ADFP 705 Pesticides Manual				
Lawns, ovals, amenity areas	Lawn Armyworm (Spodoptera mauritis)	Qld, NSW only	100-200 mL/500 L water/ha plus 10 mL/100 L Agral 600*	Apply at first sign of damage as and when required.
NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION				

GENERAL INSTRUCTIONS

Large scale or Commercial Operations for dip/spray treatment of felled logs, poles, posts and sawn timber CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE Residual Insecticides 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.

For remedial protection, in situ timber may be treated by spraying.

Local Water Authorities should be advised of the proposed use of CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE.

PLYWOOD MANUFACTURE

Use with water. Production and handling of green veneers will vary from site to site, hence a shallow dip bath for treating veneers must be constructed. Replacement of appropriately diluted product can be constant or periodic.

AIRCRAFT DISINFECTION

Use with water only. Treatment should be carried out in accordance with relevant Department of Primary Industries and Energy quarantine requirements.

INSECTICIDE RESISTANT WARNING

For insecticide resistance management CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE Residual Insecticide is a Group 3A insecticide. Some naturally occurring biotypes resistant to CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE 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 CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE or other Group 3A insecticides are used repeatedly. The effectiveness of CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, SHERWOOD accepts no liability for any losses that may result from the failure of CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE to control resistant weeds. CHAINDRITE PERFORCE 500 RESIDUAL INSECTICIDE may be subject to specific resistance management strategies. For further information contact your local supplier or SHERWOOD representative or local agricultural department agronomist.

CAUTION

Treated timber must not come into contact with foodstuffs, eg. use in packing cases or places where food is prepared or stored. DO NOT spray directly on exposed food utensils or food preparation surfaces.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Harmful to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used container. DO NOT discharge waste liquid into waterways. Never repack from this container.

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