



DANGER • KEEP OUT OF REACH OF CHILDREN
Combustible Liquid. Ecotoxic.



Key Industries

Protecting people, crops and native species

BarricadeTM 500_{EC} Insecticide

GENERAL INFORMATION

A residual insecticide for the control of household pests in domestic, industrial and public health areas, as well as the remedial treatment of timber in buildings and the disinsection of aircraft.

ACTIVE INGREDIENT

Contains 500g/litre permethrin in the form of an emulsifiable concentrate.

BarricadeTM 500_{EC} is a trademark of Key Industries Ltd



Manufactured
& Distributed by
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1L

Barricade™ 500EC

Read label before use. Do not handle until all safety precautions have been read and understood.

HAZARD CLASSIFICATIONS: 3.1D, 6.1D, 6.3B, 6.4A, 6.5A, 6.5B, 6.9B, 9.1A, 9.3B, 9.4A



RECORD KEEPING

A person in charge of this substance must ensure that a written record is kept of each application or discharge of the substance if more than 3kg is applied or discharged within 24 hours in a place where the substance is likely to enter air or water and leave the place.

COMBUSTIBLE LIQUID: DO NOT store or use near heat or naked flame.

TOXICITY WARNING: THIS SUBSTANCE MAY BE HARMFUL IF SWALLOWED. Repeated minor exposures may have cumulative effects. Do not inhale the vapour or spray mist. Do not eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash any areas of the body that have come into contact with the product. Wash contaminated clothing before reuse. Do not allow contaminated clothing out of the workplace.

MAY CAUSE ORGAN DAMAGE from prolonged or repeated exposure at high doses.

MAY CAUSE MILD SKIN AND SERIOUS EYE IRRITATION. Avoid contact with eyes and skin.

MAY CAUSE AN ALLERGIC SKIN REACTION THROUGH PROLONGED OR REPEATED CONTACT.

MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.

ECOTOXICITY:

VERY TOXIC TO AQUATIC ORGANISMS. DO NOT contaminate any water supply with chemical or empty container. DO NOT spray onto, into or allow to drift over an aquatic environment.

TOXIC TO TERRESTRIAL VERTEBRATES SUCH AS BIRDS AND REPTILES.

VERY TOXIC TO TERRESTRIAL INVERTEBRATES. Do not spray over bees or apply to plants in flower. Do not spray over beneficial predators.

STORAGE

Store in the original container tightly closed and in a locked, dry, cool and well ventilated area – well away from ignition sources and foodstuffs. Storage must be generally in accordance with NZS58409.

PERSONAL PROTECTION

When mixing or applying, wear eye protection, chemical resistant gloves (e.g. PVC or neoprene), chemical resistant boots, waterproof hat and cotton overalls buttoned to the neck and wrist. In instances of inadequate ventilation wear appropriate respiratory protection. When applying this product above 1m height an approved half/full face filter respirator for organic vapours should be worn. When spraying Barricade below 1m height use a P2 disposable facemask as minimum respiratory protection.

DISPOSAL

Triple rinse empty container and add rinsate to spray tank. Do not burn empty container that has not been rinsed. Recycle triple rinsed containers through an approved recovery scheme, eg Agrecovery. Otherwise, crush or puncture and bury in a suitably approved landfill. Dispose of this product only by using according to the label, or treat so that it is no longer flammable and then dispose of safely in a managed landfill. Do not burn the product.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

SPILLAGE

Exclude all bystanders, prevent material entering waterways and coming into contact with other products. Wear appropriate protective clothing to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Wash area with a bleach solution (sodium hypochlorite) then absorb any remaining liquid with further inert material. Dispose of waste with an approved waste disposal company.

FIRST AID

If medical advice is needed, have product container or label at hand. If swallowed do not induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, remove contact lenses if present and easy to do, flush eyes with water for at least 15 minutes and see a doctor. If inhaled, move victim to fresh air immediately. If breathing has stopped, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water and soap. If discomfort persists seek medical attention.

NOTICE

Important: You must read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for approved handlers) then return the unopened product to the supplier at once.

Warning:

This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the **Hazardous Substances and New Organisms Act 1996**) and with the directions provided. Key Industries Limited declines all liability whether in contract, tort (including but not limited to negligence), (or otherwise), to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz). This product is warranted to contain the specified active ingredient within accepted analytical tolerance when packed.

MPI Approved type B (all animal products except dairy) AsureQuality approved Category B5 C Food/beverage/dairy category and storage areas (Category B & C point apply)

HSNO Approval Code: HSRO00304

UN Number:

UN3082,
Environmentally
Hazardous
Substance,
Liquid, NOS

Packing Group: III

 **AGRECOVERY**
www.agrecovery.co.nz



Domestic and Industrial Premises

Ants - nests, runs, walls, drains and resting places wherever ants are seen.

Cockroaches - walls, skirting boards, cupboards, behind sinks, stoves and pipes. In particular, cracks and crevices.

Fleas - floors, carpets, skirting boards, kennels, bedding and adjacent wall area.

Flies and Mosquitoes - walls and ceilings, skirting boards and all exposed surfaces where these flying insects may rest.

Spiders - nests and known hiding places, and exposed surfaces where spiders are seen.

Silverfish - areas of potential infestation eg under skirting boards and furniture where dark conditions favour silverfish harbourage.

Aircraft Disinsection. Apply the diluted spray as a coarse spray to all interior surfaces including cargo and baggage holds, toilets, lockers, cupboards and other enclosed areas. Do not spray electrically sensitive equipment.

Remedial treatment and protective barriers for wood surfaces.

Apply on framing, interior joinery, wooden furniture, flooring and weatherboards as both a remedial and protective treatment against wood boring insects. Inspect regularly and retreat as necessary.

Important - Food contamination

- Do not allow spray to contact food, food preparation surfaces or food utensils.
- Remove or cover all foodstuffs before application.
- Do not use in areas where edible dairy or meat products are processed, packed or stored.
- Do not use where food-packaging materials (cartons, liners etc) are stored or assembled.
- Do not use near air vents or ducts in food stores or processing plants while they are in operation.
- Wash all food contact surfaces thoroughly before reintroducing any foodstuffs.

DIRECTIONS FOR USE

| Situations | Insect Pests | Rates | Comment |
|--|--|---|---|
| Houses, flats, factories, shops, warehouses, restaurants, meat and dairy processing plants | Ants, cockroaches, fleas, flies, mosquitoes, spiders and silverfish | Apply 25ml in 5 litres of water - or 25 ml per 100m ² treated area | Apply as a fine spray at the rate of 5 litres per 100 m ² or to the point of run-off, which will vary with the nature of the surface being treated. If lower water rates or if conventional misting equipment (eg Macromist™) is used, the dilution rate should be adjusted so that 25ml Barricade is applied per 100 m ² . |
| Carpets, rugs and fabrics | Carpet beetles and clothes moths. | Apply 25ml in 5 litres of water | Apply sufficient diluted spray to penetrate the carpet pile or fabric (50mls per 1 m ²). Test- treat a small area of carpet first to ensure that no staining or damage will occur. |
| Thermal fogging warehouses and silos. Limited residual control | Flying insects and crawling insects in harbourages | Apply 50-100ml Barricade per 1000 cubic metres with a suitable fogging agent | Mix Barricade at a rate of 100 ml in 100-200 ml of fogging agent. Water may be partly substituted for fogging agent if a wetter fog is desired. Apply 200-300mls of diluted product per 1000 cubic metres |
| Aircraft | Cockroaches, moths, beetles and mosquitoes | Initial treatment: Apply 200mls in 5L of water Routine treatments (monthly) 100mls in 5L water | Apply to carpets and other fabrics at 25 ml spray mix per m ² and other surfaces at 10mls spray mix per m ² . |
| Repellent treatment of clothing of Defence Force Personnel | | 12mL per 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. Use in accordance with the Australian Defence Force Publication; HLTHMAN, Vol 21, Pesticides |
| Repellent treatment of fabric and mosquito nets (excluding clothing) | Mosquitoes and biting flies | (i) Nylon, 15mls in 500mls water. (ii) Cotton and cotton blends, 15mls in 2L water. (iii) Canvas horse rugs, 15mls in 500mls water. | The dilution rate depends on the uptake rate of the material. Dip thoroughly for two minutes. Drain then dry preferably laid flat on a non absorbent surface. Mosquito nets should not be hung up to drain. Horse rugs should be sprayed until run-off and allowed to dry before putting on the horse. |
| Remedial treatment of timber in buildings | Common house borer, powder post beetle, Longhorns such as two toothed and burnt pine longhorn and dry wood termites such as <i>Kalotermes brunii</i> | 40mls in 10 Litres of non staining oil or kerosene. Water may be used as a diluent and the spray solution will be non-flammable. This may be preferable in some situations. | Apply to absorptive spray surfaces. Varnished or painted surfaces need to be sanded down to ensure penetration of the solution. Always add Barricade to the non-staining oil, kerosene or water capable of applying a coarse spray directly onto exposed timber surfaces. Alternatively Barricade may be painted on at rates of 200-300mls of spray solution per m ² . Barricade may also be injected into individual borer holes using a fine tipped needle nozzle or other injection equipment. A single application is usually sufficient to provide complete control. |