

Vacsol® T Ultraframe®

1.0 Description

Vacsol® T Ultraframe® is a concentrated timber preservative for control of insect pests such as borers and termites. It may be used in preventative applications or as a remedial treatment in timber structures.

The active constituent permethrin 25:75, has a high level of activity against undesirable insect pests that can attack wood. Vacsol® T Ultraframe® is compatible with many fungicides and timber treatments. Permethrin binds to wood, resists leaching and is suitable for use with a wide range of wood protection situations.

2.0 Formulation

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| Active Constituent: | 500g/L permethrin 25:75 |
| Solvent: | 484/L hydrocarbon liquid |
| Inerts: | 135g/L proprietary emulsifiers |
| Formulation: | Emulsifiable concentrate |
| Appearance: | Clear amber liquid |
| Odour: | Mild hydrocarbon odour |
| Solubility: | Forms a suspension in water |
| Density: | 0.975 g/ml @ 20oC |
| Flash Point: | 68oC (Abel Closed Cup) |

3.0 Directions for Use

General

Vacsol® T Ultraframe® is a concentrate that must be diluted for use. It disperses readily in water to form stable emulsions. It can also be diluted in petroleum distillate or kerosene (high flash point > 60o C solvents should be used).

Dilutions can be applied by dipping, spraying, pressure treatment or direct injection into affected (remedial treatments for existing structures). Treatment in distillate and kerosene oils will be more durable. Non-staining, low odour solvent such as Exxsol D80 is recommended for in-situ remedial treatments.

Temporary protection of logs and sawn timber from insect borers: During seasoning, storage or transport, freshly felled logs and sawn timber may be vulnerable to insect borer infestation (such as pine bark beetle). Insect borers can damage wood directly and also spread other infections such as staining or decay fungi as well as being a phytosanitary risk for imported or exported wood products. Apply a 0.2% v/v dilution (0.2 litres of concentrate per 100 litres of solution) as soon as possible after peeling or sawing.

Vacsol® T Ultraframe® may be combined with other chemicals such as Antibu® anti-sapstain treatments – consult Lonza for details. In tropical regions a 0.4% v/v (0.4 Litre per 100 litres) concentration is recommended. Ensure that all surfaces including the endgrains are treated.

Pressure treatment of timber and wood veneer: Timber products and veneer can be pressure or dip treated for permanent insect protection including against termites. Treatment solutions can be in water or solvent. Recommended retentions in the finished wood products are as follows;

Borer immunization – 0.006% w/w (minimum) permethrin in all sapwood

Termite control – 0.02% w/w (minimum) permethrin. Check relevant standards for penetration and analytical zone requirements for Hazard level H2 under AS1604 series.

Set treatment conditions (solution strength and solution uptake) to achieve required penetration and retentions as above. Contact Lonza for further details.

Remedial treatments in buildings: It is strongly recommended to get expert advice from a qualified pest controller before attempting remedial treatment applications. Use a 0.4% v/v solution in non-staining, low odour distillate or kerosene. Drill into damaged areas and inject solution, or with borers inject solution directly into emergence holes. Treat all infected areas (as indicated by expulsion of frass). Re-inspect areas regularly for continued activity. In the case of termites, the nest may be some distance from the damaged areas and treatment may not prevent termites attacking or re-emerging in other areas.

4.0 Storage

Store in the original, tightly closed container in a secure well ventilated area away from exposure to direct sunlight. Stable in original container for twelve months. Dilution and use is recommended within three months.

If there is a spill, remove sources of ignition and move people from the immediate area. Confine the area of the spill with absorbent material such as sawdust or sand. Remove contaminated materials to appropriate containers for proper disposal.

5.0 Safety & Handling

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| UN Number: | 3082 |
| Proper Shipping Name: | Environmentally Hazardous Substance, Liquid, N.O.S. (contains Permethrin) |
| Primary hazard: | 9 |
| Hazchem Code: | 3Z |
| Packaging Group: | III |
| IERG: | |
| APVMA Approval No: | 48139/0504 |
| Registered: | For use in all states of Australia. |
| SUSMP: | Poison schedule S5. |



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www.lonza.com

www.lonzawoodprotection.com

Vacsol® T Ultraframe®

Safety Directions

Refer product SDS for full safety directions prior to use. Product is a combustible liquid, harmful if swallowed. Avoid contact with eyes and skin and do not inhale spray mist. When preparing spray, and using the prepared spray, 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.

Handling the product

Vacsol® T Ultraframe® in the concentrated form may irritate eyes and skin. Avoid contact and do not inhale the product. Vapours. The toxicity of the product is due to the solvent rather than the active constituent itself.

In typical water-based dilution the product is of very low toxicity. In oil or distillate solutions, the hazards will be those of the diluent. Timber treated with the product does not require any special handling precautions.

Users should observe sensible hygiene measures such as washing hands or other exposed areas after work and before meal breaks. Contaminated clothing and safety equipment should be washed before re-use.

6.0 First Aid

IF SWALLOWED: Rinse mouth. Call a POISON CENTRE or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor /physician.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTRE or doctor/physician if you feel unwell.

IF exposed or concerned or if you feel unwell: Call a POISON CENTRE or doctor /physician.

If skin irritation or rash occurs: Get medical advice/attention.

In case of fire: Use alcohol resistant foam (preferred) or normal foam for extinction.

Wash contaminated clothing before reuse.

7.0 Spillage

Remove people from the area. Contain and absorb spillage with absorbent material such as sand, clay, vermiculite or sawdust. Do not dilute or hose down the spill. If at all possible prevent spillage from entering waterways, drains, sewers or dams.

If in a public place contact Emergency Services as well as Lonza. Recover as much material as possible into suitable containers for recycling or disposal.

8.0 Packaging

Drums: 200 L Steel

IBC: 1000 L

Drums are non-returnable unless otherwise agreed

9.0 Disposal of Empty Containers

All containers should be triple rinsed with water, and be crushed or punctured to prevent re-use. Disposal of drums and contaminated absorbent soils, clothing or debris may be permitted into local tip after approval from the local authority..

In case of chemical emergency contact:

Emergency Services

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LONZA Emergency Response - 1800 796637

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