

TERMICIDE

INSECTICIDE FOR TERMITE CONTROL
EMULSIFIABLE CONCENTRATE

VAPCO

Class:
Organophosphate

COMPOSITION: Each Liter contains:

CHLORPYRIFOS

40.8% W/V (A.I)

PROPERTIES:

TERMICIDE: An Organophosphate insecticide act by contact, stomach and respiratory action.

TERMICIDE: Used to control termites as (*Heterotermes, Reticulitermes, Coptotermes, and Zootermopsis*).

COMPATIBILITY:

The product is incompatible with other pesticides.

GENERAL PRECAUTIONS FOR USE:

- Trainer person should be aware of the Termicide application method, including make holes, inject bottom plates, and low pressure spray application.
- Should use this techniques in correct way to prevent termite infection like: *Heterotermes, Reticulitermes, Coptotermes, and Zootermopsis*.
- All nonessential wood and cellulose containing materials, including scrap wood and form boards, should be removed from around foundation walls, crawl spaces, and porches. This does not include existing structural soil contact wood that has been treated.
- All leaks resulting in the deposition of termicide in locations other than those prescribed on this leaflet must be cleaned up prior to leaving the application site.
- Do not allow people or pets to contact contaminated areas or to reoccupy the contaminated areas of the structure until the cleanup is completed.
- Retreatment for subterranean termites can only be performed if there is clear evidence of re-infestation of termite according to application techniques described in this product's labeling.
- Choosing appropriate procedures involves considering variable factors such as structural design, water level, soil type, soil compaction, and location and type of domestic water supply.
- Contamination of public and private water supplies must be avoided by following these minimum precautions:
 1. Use anti-back flow equipment or procedures to prevent siphonage of pesticide back into water supplies.
 2. Do not treat soil that is water saturated or frozen.
 3. Do not treat while rain precipitation is occurring.
 4. Do not contaminate wells or cisterns, cisterns or other bodies of water adjacent to treated sites.

• For more details about first aid & precautions please refer to first aid & precautions index.

USES:**Application Rates:**

- A dilution rate of 0.5% is required for all termiticide applications.
- A 0.5% to 1.0% dilution may be used for treatment of wood products.
- A 1.0% to 2.0% dilution may be used to protect underground utility cable and conduit and utility poles and fence posts in non-residential areas.

Liters of Finished product	Application rate		
	Residential	Non-Residential	
Dilution Desired	0.5%	1.0%	2.0%
3.8 L	46.35 ml	93 ml	188 ml
19 L	232 ml	464 ml	929 ml
38 L	464 ml	928 ml	1.9 L
91 L	1.18 L	2.7 L	5.3 L
182 L	2.7 L	5.3 L	10.6 L
367 L	5.3 L	10.6 L	21.2 L

MIXING DIRECTION:

1. Fill tank 1/4 to 1/3 with water.
2. Start pump to begin by-pass agitation
3. Add appropriate amount of product to the tank.
4. Add remaining amount of water.
5. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

APPLICATION VOLUME:

- To provide maximum control and protection against termite infestation, apply the specified volume of the diluted finished product as the table of use.
- If case of heavy, clay-type soils, the volume of the diluted finished product may be reduced provided there is a corresponding increase in concentration so that the amount of product applied to the soil remains the same.
This would also apply to sensitive areas and/or horizontal applications where less volume may be desirable in light textured soils such as sand or gravel high accept larger amounts of water, increased volumes that deliver the appropriate concentration of termiticide in the soil may be used.

TREATMENT OF STRUCTURES WITH WELLS, CISTERNS OR OTHER BODIES OF WATER WITHIN OR ADJACENT TO TREATED SITES

* Structures with wells inside foundations: Structures that contain wells within the foundation of a structure can only be treated using the following technique:

- Do not treat soil while it is beneath or within the foundation or along the exterior perimeter of a structure that contains a well.
- **The treated backfill method** may be used if soil is removed and treated outside/away from the foundation. The treated backfill technique is described as follows:
 - a. Trench and remove soil to be treated onto heavy plastic.
 - b. Treat the soil at the rate of 18 L of dilute emulsion per 10 linear feet per foot of depth of the trench, or 4.5 L /1 cubic feet of soil.
 - c. Mix thoroughly into the soil taking care to contain the liquid and prevent runoff or spillage.
 - d. After the treated soil has absorbed the diluted emulsion, replace the soil with treated soil.
- **For more details about first aid & precautions please refer to first aid & precautions index.**

STRUCTURES WITH ADJACENT WELLS/CISTERNS AND/OR OTHER WATER BODIES

- Prior to treatment, if feasible, expose the water pipe(s) coming from the well to the building.
- Applicators are advised to take precautions to limit the risk of applying the termiticide into subsurface drains that could empty into any bodies of water. Factors such as depth to the drain system and soil type and degree of compaction should be taken into account in determining the depth of treatment.
- **The treated backfill technique** can also be used to minimize off-site movement of termiticide.

PRECONSTRUCTION SUBTERRANEAN TERMITE TREATMENT

- Areas treated with 0.5% end-use dilution must be re-inspected annually for signs of re-infestation.
- Effective preconstruction treatment for subterranean termite prevention requires the establishment of vertical and/or horizontal chemical barriers between wood in the structure and the termite colonies in the soil.
- Do not apply at a lower dosage and/or concentration than specified on table of uses.
- Applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended termiticide application and intended sites of application and instruct the responsible person to notify construction workers and other individuals to leave the area to be treated during application and until the termiticide is absorbed into the soil.

See application rates and table 1 for dilution directions:

1. **For horizontal barriers**, applications shall be made using a low pressure spray (not to exceed 50 PSI when measured at the treating tool to minimize exposure and potential for drift) after grading is completed and prior to the pouring of the slab or footing.
 - Apply 4.5 L of dilution per 10 square feet or use 39.4 L from product (not less than 2.3 L of water or more than 4.5 L) per 0.9 m² to provide thorough and continuous coverage of the area being treated.
 - If the fill is washed gravel or other coarse material, it is important that a sufficient amount of dilution be used to reach the soil substrate beneath the coarse fill.
 - If concrete slabs cannot be poured over the soil the same day it has been treated, a vapor barrier should be placed over the treated soil to prevent disturbance of the termiticide barrier.
 2. **For vertical barriers**, apply the 0.5% end-use dilution at a rate of 18 L/3 m/30 cm of depth. Establish vertical barriers in areas such as around foundations, plumbing lines, backfilled soil against foundation walls and other areas, which may warrant more than just a horizontal barrier.
 - When treating foundations deeper than 1.2 m, apply the termiticide as **the backfill** is being replaced.
 - If the process done directly treat the foundation to a minimum depth of 1.2 m after **the backfill** has been installed.
 - The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at the rate prescribed from grade to a minimum depth of 1.2 m.
 - When the top of the footing is exposed, the applicator must treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. However, in no case should a structure be treated below the footing.
 - Trenches need not be wider than 15 cm. Treat soil with the dilution as it is being replaced in the trench.
- For more details about first aid & precautions please refer to first aid & precautions index.

- Apply 18 L of dilution per 3 m per 30 cm of depth to ensure complete coverage.
- Hollow block foundations or voids of masonry can be treated to make a complete chemical barrier especially if the soil was not treated prior to pouring the footing. Apply the dilution at a rate of 9 L per 3 m feet so that it reaches the top of the footing.
- For small spaces, establish a vertical barrier on both sides of the foundation and around all piers and areas where underground utilities exit the soil. Do not apply the dilution to the entire surface area intended.

3. For plenum type structures which use a sealed underfloor space to circulate heated and/or cooled air throughout the building.

- Apply the end-use dilution at the rate of 15 L per 3 m feet per 30 cm of depth. Soil adjacent to both sides of foundation walls, supporting piers, plumbing and conduits should be treated by trenching or rodding (where soil conditions permit) to a depth of 15 cm. When conditions will not permit trenching or rodding, surface application adjacent to interior foundation walls may be made but the treated strip shall not exceed a width of 46 cm horizontally, from the foundation walls, piers or pipes. The surface application should be made at a rate of 4.5 L per 1 m² square feet as a very coarse spray under low pressure (not to exceed 20 PSI, when measured at the treating tool). After soil treatment, a continuous vapor barrier of polyethylene film or other suitable vapor barrier must be installed on the ground surface over the entire subfloor area and on the inside of the plenum walls.

TREATMENT OF WOOD PRODUCTS

To prevent termite attack of wood products, **TERMICIDE** may be used for treatment of fence posts, utility poles, railroad ties, landscape timbers, logs, pallets, wooden containers, poles, posts, and processed wood products.

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