

432-900

4/12/2000

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

APR 12 2000

Mr. Ken Kurokowski  
Aventis Environmental Science USA LP  
95 Chestnut Ridge Road  
Montvale, NJ 07645

Dear Mr. Kurokowski:

Subject: Label Amendments for Termidor 80WG and Termidor SC  
EPA Reg. Nos. 432-900 & 432-901  
Submissions dated January 13, 2000

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable subject to the comments below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

**Termidor WG Label Review:**

1. Page 3 - Change the first statement under the heading "General Information" to read "Termidor WG Insecticide when used as recommended in this label provides effective subterranean termite control." or suggest another revision. The five year reference is too non-specific.
2. Page 8 - Revise the mixing table for Termidor WG Insecticide Foam to read as it appears on the stamped label dated December 10, 1999. The proposed revisions use the incorrect amount of Termidor WG to make the finished foam solution as explained below.
3. Change the EPA Reg. No. to 432-900.
4. Hollow Block Foundations/Voids Language for Termidor WG. The language in the pre-construction treatment section of the label is incomplete and must be the same as that found in PR Notice 96-7. Add the following statements to the paragraph on page 5: "Treatment of voids in block or rubble foundation walls must be closely examined. Applicators must inspect areas of

possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.”

**Termidor SC Label Review**

5. Page 7 - Revise the mixing table for Termidor SC Insecticide Foam to read as it appears on the stamped label dated December 10, 1999. The proposed revisions use the incorrect amount of Termidor SC to make the finished foam solution as explained below.

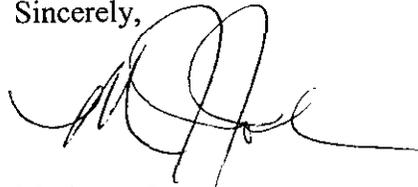
6. Change the EPA Reg. No. to 432-901.

7. Please correct the density value on the Confidential Statement of Formula for Termidor SC to read 8.8 lbs./gal from 8.8 lbs./cu. ft. and submit this change as soon as possible.

8. **Foam Table Revision for Termidor SC and Termidor WG.** The amount of Termidor (or any other termiticide for that matter) must be adjusted to maintain the active ingredient concentration in the finished foam termiticide solution. This is stated in the paragraph preceding the table and appears on all termiticide labels. The ratios refer to the termiticide/air ratio. For instance, the 1:10 ratio means you will add 1 part termiticide solution to 10 parts air (the foaming makes air bubbles to increase the volume).

Thank you for your cooperation in this matter. If you have any questions, please contact Kevin Sweeney at (703)-305-5063. A stamped copy of each label is enclosed for your records.

Sincerely,



Marion J. Johnson, Jr.  
Product Manager 10  
Registration Division (7505C)  
Insecticide Branch

Enclosure

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# TERMIDOR® 80 WG Insecticide

## in Water Soluble Paks

For use by individuals/firms licensed or registered by the state to apply termiticide products.

### ACTIVE INGREDIENTS:

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitrile ..... 80%

INERT INGREDIENTS ..... 20%

EPA Reg. No. 264-569

EPA Est. No. 264-MO-02

**KEEP OUT OF REACH OF CHILDREN**

Revised Date: APR 12 2000

## WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

For use only by licensed insecticide applicators under the Insecticide Act, approved by the pesticide label under EPA Reg. No. 432-900

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-888-4RP-AGRO (1-888-477-2476)

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Give 1 or 2 glasses of water, and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician or Poison Control Center.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

#### GENERAL

Contact a physician immediately in all cases of suspected poisoning. Transport patient to a physician or hospital immediately and **SHOW A COPY OF THIS LABEL TO THE PHYSICIAN.** If poisoning is suspected in animals, contact a veterinarian.

**NOTE TO PHYSICIAN:** There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

**SYMPTOMS OF POISONING:** In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and in extreme cases, possibly convulsions, may occur.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### WARNING

May be fatal if swallowed, absorbed through skin, or inhaled. Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Do not breathe spray mist.

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

All pesticide handlers (mixers, loaders, and applicators) must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. All pesticide handlers must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter when working in a non-ventilated space, including but not limited to crawl-spaces and basements. All pesticide handlers must wear protective eyewear (goggles, a face shield, or safety glasses with front, brow, and temple protection) when working in a non-ventilated space, including but not limited to crawl-spaces and basements or when applying termiticide by rodding or sub-slab injection.

#### User Safety Recommendations

Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing. Then wash body thoroughly with soap and water and put on clean clothing. Wash clothing with detergent and hot water before reusing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. Wash PPE before reusing.

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Care must be taken to avoid runoff. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product.

For use by individuals/firms licensed or registered by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product.

### TERMIDOR® 80 WG Insecticide Find It Fast Guide

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## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

### STORAGE

Store unused product in original container only, out of reach of children and animals.

### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

In case of spill, clean up dust spillage resulting from container or pak breakage by sweeping material into a pile and avoid skin contact. Carefully scoop up loose material and place it in appropriate containers so as to avoid dust generation. Ensure adequate decontamination of tools and equipment following cleanup.

### CONTAINER DISPOSAL

Water soluble packages should be placed directly into spray tanks containing some water. Then dispose of empty, overpackaging bag in a sanitary landfill or, if allowed by government regulations, by burning or incineration. If bag is burned, stay out of smoke.

## GENERAL PRECAUTIONS

- When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediate adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving

the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean up is completed.

- Do not apply TERMIDOR® 80 WG Insecticide in a way that will contact any other person. Only protected applicators may be in the area during application.
- All holes in commonly occupied areas into which TERMIDOR® 80 WG Insecticide has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.
- Do not apply finished solution of TERMIDOR® 80 WG Insecticide until all heating/air conditioning ducts, air vents, plumbing pipes, sewer lines, floor drains, heating pipes and electrical lines/conduits are known and identified. Do not puncture or contaminate any of these.
- Do not treat around any edible plants with TERMIDOR® 80 WG Insecticide used for termite control.
- Avoid contamination of public and private water supplies.
- Do not treat soil that is water saturated or frozen. Do not treat while precipitation is occurring.
- Use anti-backflow equipment on all filling hoses.

**General Information**

TERMIDOR® 80 WG Insecticide when used as recommended in this label provides effective subterranean termite control based on greater than 5 years control in standardized field tests. In order to maximize the termiticide potency of TERMIDOR® 80 WG, it should be applied in a manner to provide a continuous chemical barrier to prevent termites from attacking the wood to be protected. TERMIDOR® 80 WG should only be applied by licensed technicians familiar with trenching, rodding, short rodding, sub-slab injection, low pressure banded surface applications, and foam delivery techniques. TERMIDOR® 80 WG is highly effective against a variety of subterranean termites including species of *Reticulitermes*, *Zootermopsis*, *Heterotermes*, and *Coptotermes*. While TERMIDOR® 80 WG is labeled for use at 0.06% - 0.125% finished solution, the 0.06% finished solution should be used for typical control situations. Where severe termite infestations occur, where problem soils occur or where difficult or problem construction types are encountered, it may be necessary to use 0.125% TERMIDOR® 80 WG Insecticide.

TERMIDOR® 80 WG Insecticide is formulated as a dry powder containing 80% active ingredient and is packaged in water soluble packages (paks). Paks are contained inside a resealable plastic overpacking container. Do not allow paks to become wet prior to adding to the spray tank. Do not handle the paks with wet hands or wet gloves. Do not handle the paks roughly as such handling may cause breakage of the water soluble packaging. If a pak gets wet prior to placement in the spray tank, return the "wet" pak to the resealable overpacking container. This "wet" pak can still be used. Pour the contents of the "wet" pak directly into the spray tank, following the mixing directions below. Unused paks need to be re-sealed in the plastic overpacking container. To prepare the spray mixture, remove the paks from the overpacking container and follow the mixing instructions below.

**MIXING INSTRUCTIONS**

Mix TERMIDOR® 80 WG Insecticide in the following manner:

1. Fill tank ¼ to 1/3 full with water. Filling hose must be equipped with an anti-backflow device.
2. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose.
3. Add appropriate number of TERMIDOR® 80WG Insecticide paks. Refer to the table in the box below to determine the proper number of paks to add to desired gallons of water.
4. Add remaining amount of water.
5. Let pump run and allow recirculation through the hose for 2 to 3 minutes or longer, until all paks in the tank have dissolved completely. Depending on the water temperature and thoroughness of agitation, the paks should dissolve completely within a few minutes from the time they were added to the water. Paks dissolve slower in cold water.

Desired TERMIDOR® Concentration	Number of Paks* to Add	Gallons of Water
Finished Solution of TERMIDOR® 80 WG Insecticide at 0.06%	1	25
	2	50
	4	100
Finished Solution of TERMIDOR® 80 WG Insecticide at 0.125%	2	25
	4	50
	8	100

\* Each pak weighs 2.6 ounces and contains 2.1 ounces active ingredient.

## APPLICATION VOLUME

To provide maximum control and protection against termite infestation, apply the volumes of TERMIDOR® 80 WG Insecticide finished solution specified in the "Directions For Use" throughout this label. However, if the soil will not accept these labeled volumes of TERMIDOR® 80 WG Insecticide, twice the concentration of TERMIDOR® 80 WG may be applied in half the volume of finished solution. For example, if 0.06% TERMIDOR® 80 WG cannot be applied to achieve 4 gallons finished solution per 10 linear feet per foot of depth, then 0.125% TERMIDOR® 80 WG applied in 2 gallons finished solution per 10 linear feet per foot of depth may be substituted. These "application volume" instructions do not ever apply to ground that is water saturated or frozen. Do not treat soil that is water saturated or frozen or in any conditions where run-off or movement from the treatment area (site) is likely to occur.

**NOTE:** Large reductions of application volume reduce the ability to obtain a continuous barrier. Variance is allowed when volume and concentration are consistent with label directed rates and a continuous chemical barrier is still achieved. At reduced application volume; it may be necessary for the applicator to drill holes closer than 12 inches apart to create a continuous barrier.

## PRE-CONSTRUCTION TREATMENT

**DO NOT APPLY AT A DOSAGE AND/OR CONCENTRATION LOWER THAN TERMIDOR® 80 WG INSECTICIDE AT 0.06% FOR APPLICATIONS UP TO AND INCLUDING INSTALLATION OF THE FINAL GRADE.** Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended TERMIDOR® 80 WG application and intended sites of application and instruct the responsible person to notify construction workers and other on site individuals to leave the treatment area and not return until TERMIDOR® 80 WG has been absorbed into the soil.

### GENERAL

Pre-construction treatments are defined to include treatments made during all phases of construction up to and including installation of the final grade. Effective pre-construction termite control is achieved by establishing thorough and complete horizontal and vertical barriers using 0.06% or 0.125% TERMIDOR® 80 WG Insecticide.

When treating foundations deeper than 4 feet, apply the termiticide as the backfill is being replaced, or if the construction contractor fails to notify the applicator to permit this, treat the foundation to a minimum depth of 4 feet 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 4 feet. 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.

## CONCRETE SLAB (INCLUDING MONOLITHIC, FLOATING AND SUPPORTED CONCRETE SLABS) ON GROUND OR IN BASEMENTS

### HORIZONTAL BARRIERS

Apply an overall treatment of TERMIDOR® 80 WG Insecticide to the entire surface to be covered beneath the concrete slab. This includes the slab under the actual living area, plus carports, porches, basement floors, and any extended entrances. When the fill is soil, make this treatment at the rate of 1 gallon finished solution per 10 square feet. If the fill is washed gravel or other coarse material, make this treatment at 1.5 gallon finished solution per 10 square feet so that the solution will reach the soil beneath the fill. Make these applications using a coarse spray nozzle and low pressure spray (less than 25 p.s.i.) spraying the solution evenly and uniformly over the entire area treated.

### VERTICAL BARRIERS

Apply additional treatments of TERMIDOR® 80 WG Insecticide at critical areas such as anything penetrating the slab (e.g. utility services, plumbing lines) and along the inside and outside perimeter of foundation walls. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements.

Make this treatment along the inside of foundation walls at the rate of 4 gallons finished solution (0.06% or 0.125% TERMIDOR® 80 WG) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet below grade. A trench need not be wider than six inches. Low pressure spray (less than 25 p.s.i. at the nozzle) may be used to treat soil which will be replaced in the trench. When rodding from grade or from the bottom of a shallow trench, rod holes should be spaced in a manner that will allow for application of a continuous chemical barrier, but not wider than 12 inches apart. Rod holes should not extend below the top of the footing.

After completion of the grading, apply TERMIDOR® 80 WG Insecticide by trenching and rodding into the trench or trenching alone around the slab or foundation perimeter at the rate of 4 gallons finished solution (0.06% or 0.125% TERMIDOR® 80 WG) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a depth of 4 feet. Trenches must be a minimum of 6 inches deep or to the bottom of the footing and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent TERMIDOR® 80 WG Insecticide from running out of the trench. The finished solution (0.06% or 0.125% TERMIDOR® 80 WG Insecticide) should be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous chemical barrier but in no case more than 12 inches. However, in no case should the structure be treated below the footing.

**CRAWL SPACES**

For crawl spaces, apply vertical termiticide barriers at the rate of 4 gallons of finished solution (0.06% or 0.125% TERMIDOR® 80 WG) per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenching. Treat both sides of foundation and all piers and pipes. 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.

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous chemical barrier but in no case more than 12 inches apart.
- Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The finished solution must be mixed with soil as it is replaced in the trench.

**Hollow Block Foundations/Voids**

Drill and treat voids in multiple masonry elements of the structure extending from the structure to the soil in order to create a continuous treatment barrier in the area to be treated. Apply at the rate of 2 gallons of finished solution per 10 linear feet of footing using a nozzle pressure of 25 p.s.i. or less. When using this treatment, access holes must be drilled below the sill plate and should be as close as possible to the footing as is practical.

Not for use in voids insulated with rigid foam.

**POST-CONSTRUCTION TREATMENT**

**GENERAL**

For applications made after the final grade is installed, the applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements, at either 0.06% or 0.125% TERMIDOR® 80 WG from grade to the top of the footing. When the footing is more than four (4) feet below grade, the applicator must trench and rod into the trench or trench along the foundation walls, at either 0.06% or 0.125% TERMIDOR® 80 WG, to a minimum depth of four feet. The actual depth of treatment will vary depending on soil type, degree of compaction, and location of termite activity. 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.

Do not apply finished solution (0.06% or 0.125% TERMIDOR® 80 WG) until the location and type of (1) construction of heat or air-conditioning ducts and vents, (2) water and sewer (or plumbing) lines and (3) electrical lines/conduits are known and identified. Caution must be taken to avoid contamination of and damage to these structural elements and airways.

**CONCRETE SLAB ON GROUND (INCLUDING MONOLITHIC, FLOATING AND SUPPORTED CONCRETE SLABS)**

**EXTERIOR PERIMETER**

Apply by trenching and rodding into the trench or trenching around the foundation at the rate of 4 gallons finished solution (0.06% or 0.125% TERMIDOR® 80 WG) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a depth of 4 feet. Trenches must be a minimum of 6 inches deep or to the bottom of the footing and need not be wider than 6 inches. The finished solution (0.06% or 0.125% TERMIDOR® 80 WG) should be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous chemical barrier but in no case more than 12 inches. However, in no case should the structure be treated below the footing.

**SUB-SLAB INJECTION**

Sub-slab injection treatments can be made from inside the structure or in cases where by drilling through the foundation from the outside as directed below. Prior to making any treatments, locate all heating/air conditioning ducts, vents, water/sewer lines, and electrical lines/conduits.

**Vertical Drilling/Injection:** To treat under the slab, drill vertically through the slab along the interior perimeter of the foundation including the garage. Drill holes along all concrete expansion joints, cracks, plumbing, and utility services penetrating the slab. It may be necessary to drill holes along one side of the slab adjacent to an interior partition wall if there is clear evidence of termite activity or damage in the wall. All drill holes through the slab should be spaced so as to achieve a continuous chemical barrier but in no case be more than 12 inches apart. Inject a 0.06% or 0.125% solution of TERMIDOR® 80 WG into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, application should be made with a lateral dispersal nozzle. All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

**Horizontal Drilling/Rodding/Sub-slab Injection from the Exterior of the Foundation:** This technique should be used to treat underneath the slab only when floors or interior design do not allow for vertical drilling. Care must be exercised not to rod into heating ducts, water/sewer lines, and electrical lines/conduits. Horizontal short-rodding practices can be used to establish a continuous chemical barrier along the inside perimeter of the foundation. Holes should be drilled from outside the foundation at an angle which allows a finished solution (0.06% or 0.125%) of TERMIDOR® 80 WG to be deposited below heating ducts, water/sewer lines, and electrical conduits if present. Horizontal long rodding practices may only be employed to treat areas underneath the slab that are not accessible by vertical rodding or horizontal short rodding. Long rods exceeding 20 feet should not be used. For all horizontal rodding

applications, all drill holes through the foundation should be spaced so as to achieve a continuous chemical barrier but in no case be more than 12 inches apart. Inject a 0.06% or 0.125% solution of TERMIDOR® 80 WG into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, make applications with a lateral dispersal nozzle. All holes must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

**BATH TRAPS:** Exposed soil or soil covered with tar or similiar sealant beneath or around plumbing and/or drain pipe entry areas should be treated with 4 gallons of finished solution\* per square foot. An access door or inspection vent should be cut and installed, if not already present. After inspection and removal of all wood/cellulose debris, the soil can be treated by rodding or drenching the soil with a 0.06% or 0.125% solution of TERMIDOR® 80 WG.

**BASEMENT STRUCTURES**

**EXTERIOR PERIMETER**

Apply by trenching and rodding into the trench or trenching around the foundation at the rate of 4 gallons finished solution (0.06% or 0.125% TERMIDOR® 80 WG) per 10 linear feet per foot of depth, or if the footing is more than 4 feet below grade, to a depth of 4 feet. Trenches must be a minimum of 6 inches deep or to the bottom of the footing and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent TERMIDOR 80 WG Insecticide from running out of the trench. The finished solution (0.06% or 0.125% TERMIDOR® 80 WG Insecticide) should be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous chemical barrier but in no case more than 12 inches. However, in no case should the structure be treated below the footing.

**INSIDE PERIMETER**

To treat under the basement floor slab, drill vertically through the slab along the interior perimeter of the foundation. Drill holes along all concrete expansion joints, cracks, plumbing, and utility services penetrating the slab. Drill holes along both sides of partition foundation walls, and around piers. It may be necessary to drill holes along one side of the slab adjacent to a non-foundation interior partition wall if there is clear evidence of termite activity in the wall. All drill holes through the slab should be spaced so as to achieve a continuous chemical barrier but in no case be more than 12 inches apart. Inject a 0.06% or 0.125% solution of TERMIDOR® 80 WG insecticide into the drilled holes at the rate of 4 gallons per 10 linear feet per foot of depth. For best results, application should be made with a lateral dispersal nozzle. All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

**ACCESSIBLE CRAWL SPACE CONSTRUCTION**

**BEFORE TREATMENT:** Turn off the air circulation system of the structure until application has been completed and all TERMIDOR® 80 WG Insecticide has been absorbed by the soil.

For crawl spaces, apply vertical termiticide barriers at the rate of 4 gallons of 0.06% or 0.125% TERMIDOR® 80 WG Insecticide per 10 linear feet per foot of depth from grade to the top of the footing, or if the footing is more than 4 feet below grade, to a minimum depth of 4 feet. Apply by trenching and rodding into the trench, or trenching. Treat both sides of the foundation and around all piers and pipes. Where physical obstructions, such as concrete walkways adjacent to foundation elements, prevent trenching, treatment may be made by rodding alone. When soil type and/or conditions make trenching prohibitive, rodding may be used. 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. Read and follow mixing and use directions on this label if situations are encountered where the soil will not accept the full application volume.

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous chemical barrier but in no case more than 12 inches apart.
- Trenches must be a minimum of 6 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 6 inches. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent termiticide from running off. The 0.06% or 0.125% TERMIDOR® 80 WG Insecticide solution must be mixed with the soil as it is replaced in the trench.

**INACCESSIBLE CRAWL SPACE CONSTRUCTION**

**BEFORE TREATMENT:** Turn off the air circulation system of the structure until application has been completed and all TERMIDOR® 80 WG Insecticide has been absorbed by the soil

For inaccessible interior areas, such as areas where there is insufficient clearance between floor joists and ground surfaces to allow operator access, excavate, if possible, and treat according to the instructions for accessible crawl spaces. Otherwise, apply one, or a combination of the following two methods.

1. To establish a horizontal barrier, apply to the soil surface, 1 gallon of 0.06% or 0.125% TERMIDOR® 80 WG Insecticide per 10 square feet overall using a nozzle pressure of less than 25 p.s.i and a coarse application nozzle (e.g., Delvan Type RD Raindrop, RD-7 or larger, or Spraying Systems Co. 80110LP Teejet or comparable nozzle). For an area that cannot be reached with the application wand, use one or more extension rods to make the application to the soil. Do not broadcast or power spray with high pressures.
2. To establish a horizontal barrier, drill through the foundation wall or through the floor above and treat the soil perimeter at a rate of 1 gallon of 0.06% or 0.125% TERMIDOR 80 WG Insecticide per 10 square feet. Drill spacing must be at intervals not to exceed 16 inches. Many states have smaller intervals so check state regulations which may apply.

**Hollow Block Foundations/Voids**

Drill and treat voids in multiple masonry elements of the structure extending from the structure to the soil in order to create a continuous treatment barrier in the area to be treated. Apply at the rate of 2 gallons of finished solution per 10 linear feet of footing using a nozzle pressure of 25 p.s.i. or less. When using this treatment, access holes must be drilled below the sill plate and should be as close as possible to the footing as is practical. Treatment of voids in block or rubble foundation walls must be closely examined: Applicators must inspect areas of possible runoff as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of TERMIDOR® 80 WG Insecticide in locations other than those prescribed on this label 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 clean up is completed.

Not for use in voids insulated with rigid foam.

**TREATMENT OF STRUCTURES WITH WELLS OR CISTERNS**

**Do not contaminate wells or cisterns**

Do not apply TERMIDOR® 80 WG within 5 feet of any well or cistern by rodding and/or trenching or by the backfill method. Treat soil between 5 and 10 feet from the well or cistern by the backfill method only. Treatment of soil adjacent to water pipes within 3 feet of grade should only be done by the backfill method.

1. Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
2. Treat soil at the rate of 4 gallons of 0.06% or 0.125% TERMIDOR® 80 WG Insecticide per 10 linear feet per foot of depth of the trench, or 1 gallon of 0.06% or 0.125% TERMIDOR® 80 WG per 1.0 cubic foot of soil. Mix thoroughly into the soil taking care to contain the liquid and prevent runoff or spillage.
3. After the treated soil has absorbed the TERMIDOR® 80 WG Insecticide finished solution, return the soil into the trench.

**Structures with Adjacent Wells/Cisterns and/or Other Water Bodies**

Applicators must inspect all structures with nearby water sources such as wells, cisterns, surface ponds, streams, and other bodies of water and evaluate, at a minimum, the treatment recommendations listed below prior to making an application.

1. Only treat foundations that are more than 5 feet from a well or cistern.
2. Prior to treatment, if feasible, expose the water pipe(s) coming from the well to the structure, if the pipe(s) enter the structure within 3 feet of grade. Treatment of soil adjacent to the water pipe(s) should be done according to the backfill technique described above.
3. Prior to treatment 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. These precautions include evaluating whether application of TERMIDOR® 80 WG Insecticide to the top of the footer may result in contamination of the subsurface and degree of compaction should be taken into account in determining the depth of treatment.
4. When appropriate (e.g., on the water side of the structure), the treated backfill technique (described above) can also be used to minimize off-site movement of TERMIDOR® 80 WG.

**PLENUM CONSTRUCTION**

**BEFORE TREATMENT:** Turn off the air circulation system of the structure until application has been completed and all TERMIDOR® 80 WG has been absorbed by the soil.

Application of TERMIDOR® 80 WG Insecticide to the exterior perimeter of foundation walls should follow the instructions listed above in "Accessible Crawl Space Construction", including instructions for sloping (tiered) soils.

Interior treatment of plenum structures that use a sealed underfloor space to circulate heat and/or cooled air throughout the structure need to follow the instructions below:

1. Remove the sealing fabric and anything on the sealing fabric to expose no more than 18 inches adjacent to all foundation structures, including foundation walls, interior piers, pipes, and any other structures with soil contact. Follow the instructions listed above for exterior and interior treatment of "Accessible Crawl Space Construction".
2. After the finished solution of TERMIDOR® 80 WG Insecticide has been absorbed by the soil, replace the sealing fabric and anything to be placed on the sealing fabric to its original, pre-treatment position.

**FOAM APPLICATIONS**

Construction practices, soil subsidence, and other factors may create situations where a continuous chemical barrier cannot be achieved using conventional liquid treatment alone. In such situations, conventional liquid application methods can be supplemented through the use of foam generating equipment. Treatment of filled stoops and porches, chimney bases, piers, soil under concrete slabs, into block voids, behind masonry, other veneers, and stud walls are examples where foam applications may be useful. Foam applications to wall voids in stud walls must utilize dry foam only (25:1 to 50:1 expansion ratio). Only apply foam to wall voids where termites or termite damage are present.

In general, "foam only" treatment is appropriate when attempting to maximize horizontal coverage in areas where there is no deep foundation or footing [e.g. around plumbing entries, settling under slabs, and near cracks in concrete]. In areas where both lateral spread and deeper vertical penetration of the termiticide is needed both foam and conventional liquid should be used [e.g. adjacent to foundation walls]. Foam and liquid applications must be consistent with volume and active ingredient instructions in order to ensure proper application has been made. The volume and amount of active ingredient are essential to an effective treatment. At least 75% of the gallons of the 0.06% TERMIDOR® 80 WG finished solution must be applied as a typical liquid treatment. The remaining 25% or less gallons is delivered to appropriate locations using a foam application. The total amount of product applied with the combination of foam and liquid finished solution should be equivalent to that of an application of liquid finished solution only. Foam applications are generally a good supplement to liquid treatments in difficult areas, but may be used in difficult to access spot treatments.

**Foam Mixing Instructions and Application**

Prepare the finished solution of TERMIDOR® 80 WG Insecticide and mix it with manufacturer's recommended volume of foaming agent in approved foaming equipment. Apply a sufficient volume of TERMIDOR® 80 WG foam formulation to provide a continuous barrier at the recommended rate for specific applications [these various rates are provided in the text of this label]. If sufficient foam volume cannot be applied to achieve the recommended rate of TERMIDOR® 80 WG required, apply additional finished solution of TERMIDOR® 80 WG as liquid to assure proper treatment volume and concentration in the treated area.

MIXING TABLE FOR TERMIDOR® 80 WG INSECTICIDE FOAM				
TERMIDOR® 80 WG Use Dilution	Gallons of Finished Solution	Foam Expansion Ratio*	Finished Foam (gallons)	Finished Foam (ai%)
0.06% a.i.	1	25:1	25	0.06
	2.5	10:1		
	5	5:1		
0.125% a.i.	1	25:1	25	0.125
	2.5	10:1		
	5.0	5:1		

\* Add the manufacturer's recommended quantity of foam agent to the TERMIDOR® 80WG insecticide solution.

**POSTS, POLES, WOOD LANDSCAPE ORNAMENTATION**

Do not contaminate wells or cisterns.

**Preventative Treatment:** Create a continuous chemical barrier in the soil around wooden posts, poles, fence posts, signs or landscape ornamentation. Apply a 0.06% or 0.125% solution of TERMIDOR® 80 WG Insecticide at the rate of 4 gallons per 10 linear feet per foot of depth. For treatments made during installation, the finished solution may be applied to soil as it is replaced around the post or pole. The finished application should place termiticide to a depth of six inches below the bottom of the posts, poles, or other wooden items in contact with the soil.

**Curative Treatment:** Previously installed poles, posts, landscape ornamentation, or signs may be treated with a 0.06% or 0.125% finished solution of TERMIDOR® 80 WG Insecticide by sub-surface injection or treated by gravity flow through holes made from the bottom of a trench around the pole or post. When trenching, the trench need not be wider than 6 inches wide and 6 inches deep. When sub-surface injecting, treat all sides to create a continuous barrier. Apply to a depth of six inches below the bottom of the wood.

**RETREATMENT INSTRUCTIONS**

Retreatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the barrier due to construction, excavation, or landscaping and/or evidence of the breakdown of the termiticide barrier in the soil. These vulnerable or reinfested areas may be retreated in accordance with application techniques described on this label. The timing and type of these retreatments will vary depending on factors such as termite pressure, soil types, soil conditions and other factors which may reduce the effectiveness of the barrier. Annual re-treatment of the structure is prohibited unless there is clear evidence that reinfestation, barrier disruption and/or evidence of breakdown has occurred.

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## LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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