



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 13, 2018

Frank E. Sobotka, Ph.D.
Gharda Generics, Inc.
c/o 1PM Resources LLC
4032 Crockers Lake Blvd. Suite 818
Sarasota, FL 34238

Subject: Label Amendment – Agency Initiated Amendment Updating Mixing/Loading
Label Language for Water Soluble Packaging
Product Name: NAVIGATOR 80WG TERMITICIDE/INSECTICIDE
EPA Registration Number: 93182-22
Application Date: April 18, 2017
Decision Number: 533058

Dear Dr. Sobotka:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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Decision No. 533058

with FIFRA section 6. If you have any questions, please contact Maggie Rudick by phone at 703-347-0257, or via email at rudick.maggie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to be 'KBD', enclosed within a large, hand-drawn oval.

Kable Bo Davis, Product Manager 3
Invertebrate and Vertebrate Branch 1
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

[Front Container Label]

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

NAVIGATOR® 80WG

Termiticide/Insecticide

[Optional Package Size Statement]

“In Water Soluble Packets”

Active Ingredient:

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitrile 80.0%

Other

Ingredients:.....20.0%

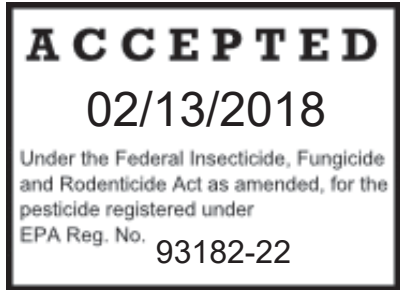
Total:100.0%

EPA Reg. No.: 93182-22

EPA Est. No. 5905-GA-001 (GA)^{G*}

33658-IND-003 (IND)^I

(*FIRST LETTERS IN BATCH CODE ON THE OUTSIDE OF THIS CONTAINER INDICATES PRODUCING ESTABLISHMENT)



KEEP OUT OF REACH OF CHILDREN 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 this label, find someone to explain it to you).

See inside booklet and back panel for additional Restrictions, First Aid, Precautionary Statements, Directions for Use, and Conditions of Sale and Warranty.

For emergency medical treatment information call: 1-(866)-359-5660

NET CONTENTS:[Oz./Container]

[Optional Contents Statement]

[XX x 2.1Oz. WSP Packets]

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

DO NOT use this product for termite or other pest control indoors except for label-specified applications for termite control and foam applications to wall voids for control other listed pests.

DO NOT use on golf course turf. May be used for control of termites and other listed pests found on/near structures associated with golf courses, but only as specified on this label.

DO NOT use on/in commercial bee hives.

DO NOT use on animal trophies or animal skins.

Manufactured by:
Gharda Chemicals International Inc.
760 Newtown-Yardley Rd.
Suite 110
Newtown, PA 18940
1-215-968-9474

[Back Container Label]

NAVIGATOR® 80WG

Termiticide/Insecticide

[Optional Package Size Statement]

"In Water Soluble Packets"

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. **DO NOT** get in eyes, on skin or on clothing. **DO NOT** breathe dust or spray mist. Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. For terrestrial uses: **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 when disposing of equipment washwaters or rinsate.

FIRST AID

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 - 20 minutes.
- Call a poison control center or doctor for treatment advice.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an Ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for treatment advice.

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have a person sip a glass of water if able to swallow.
- **DO NOT** induce vomiting unless told to do so by a poison control center or doctor.
- **DO NOT** give anything by mouth to an unconscious person.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

Have the product container and label with you when calling a poison control center, or doctor, or going for treatment.

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. In severe cases of overexposure by oral exposure, lethargy, muscle tremors, and in extreme cases possibly convulsions may occur.

For additional information on this product (including health concerns, medical emergencies, or pesticide incidents), you may call 1-(866)-359-5660, twenty-four (24) hours per day, seven (7) days per week.

USER SAFETY RECOMMENDATIONS

- Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

For Chemical Spill, Leak, Fire, Exposure, or Accident you may call CHEMTREC at 1-800-424-9300 twenty-four (24) hours per day, seven (7) days per week.

DIRECTIONS FOR USE

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

When used as in accordance with the directions in this label this product provides effective prevention and/or control of subterranean termites. This product must be applied in a manner which provides a continuous treated zone to effectively prevent termites from infesting wood. This product may only be applied by licensed technicians familiar with trenching, rodding, short rodding, sub-slab injection, low-pressure banded surface applications, and foam delivery technique. This product is a highly effective termiticide against a variety of subterranean termites including species of *Reticulitermes*, *Zootermopsis*, *Heterotermes*, and *Coptotermes*.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Unused product should be stored in its original resealable container only, and **DO NOT** allow water soluble packets to come in contact with moisture. Store in a cool, dry (preferably locked) place in an area that is inaccessible to children and animals.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

Nonrefillable Outer Foil Wrap Container – Dispose of empty outer foil pouches and outer cartons in trash, as long as water-soluble packet is unbroken.

Non-refillable Plastic Container - **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or

disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, offer for recycling or reconditioning, if appropriate or puncture and dispose of in a sanitary landfill or by incineration, or by other procedures approved by state and local authorities. **SPILLS:** For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. Refer to Precautionary Statements on label for hazards associated with the handling of this material. **DO NOT** walk through spilled material. In spill or leak incidents, keep unauthorized people away. **You may contact the CHEMTREC Emergency Response for decontamination procedures.**

For Chemical Spill, Leak, Fire, Exposure, or Accident you may call CHEMTREC at 1-800-424-9300 twenty-four (24) hours per day, seven (7) days per week.

See inside booklet for additional Restrictions, First Aid, Precautionary Statements, Directions for Use, Environmental Hazards, and Conditions of Sale and Warranty.

NAVIGATOR is a Registered Trademark of Gharda Chemicals International Inc.

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

NAVIGATOR[®] 80WG Termiticide/Insecticide

[Optional Package Size Statement]

“In Water Soluble Packets”

Active Ingredient:

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitrile80.0%

Other Ingredients:.....20.0%

Total:100.0%

EPA Reg. No.: 93182-22

EPA Est. No. 5905-GA-001 (GA)^{G*}
33658-IND-003 (IND)^I
(*FIRST LETTER IN BATCH CODE ON
THE OUTSIDE OF THIS CONTAINER
INDICATES PRODUCING ESTABLISHMENT)

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

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See inside booklet for additional Restrictions, First Aid, Precautionary Statements, Directions for Use, Environmental Hazards, and Conditions of Sale and Warranty.

Manufactured by:
Gharda Chemicals International Inc.
760 Newtown-Yardley Rd.
Suite 110
Newtown, PA 18940
1-(215)-968-9474

NET CONTENTS: [Oz. /Container]
[Optional Contents Statement]
[XX x 2.1Oz. WSP Packets]

[Table of Contents]

To be inserted inside DFU Booklet

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • DO NOT induce vomiting unless told to do so by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
If In eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p style="text-align: center;">For additional information on this product (including health concerns, medical emergencies, or pesticide incidents), you may call 1-(866)-359-5660, twenty-four (24) hours per day, seven (7) days per week.</p> <p>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. In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and in extreme cases, possibly convulsions may occur.</p>	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS
WARNING**

May be fatal if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. **DO NOT** get in eyes, on skin or on clothing. **DO NOT** breathe dust or spray mist. Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish, and aquatic invertebrates. For terrestrial uses: **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 when disposing of equipment washwaters or rinsate.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All pesticide handlers (mixers, loaders, applicators, and other handlers) must wear long-sleeved coveralls worn over a minimum of a short-sleeved shirt and short pants, socks, chemical-resistant footwear, chemical-resistant gloves, protective eyewear, and a chemical-resistant apron when mixing, loading, and cleaning equipment.

In addition to the above PPE, all pesticide handlers working in a non-ventilated space (crawl spaces and basements) must wear:

- A NIOSH approved respirator with an organic vapor (OV) cartridge with a combination N, R, or P filter with

NIOSH approval number prefix TC – 84A; or a NIOSH approved gas mask with a canister with NIOSH approval number prefix TC-14G), or powered air purifying respirator with organic vapor (OV) cartridge and combination HE filter with NIOSH approval number prefix TC – 23C.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

USER SAFETY RECOMMENDATIONS

- Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

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

Instructions for Using Water Soluble Packages Directly into Spray Tanks:

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Standard [40 CFR 170.607(d)].

Handling Instructions

Follow these steps when handling pesticide products in WSPs.

- 1 Mix in spray tank only.
- 2 Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
- 3 Keep the WSP(s) in outer packaging until just before use.
- 4 Keep the WSP dry prior to adding to the spray tank.
- 5 Handle with dry gloves and according to the label instructions for PPE.
- 6 Keep WSP intact. Do not cut or puncture WSP.
- 7 Reseal the WSP outer packaging to protect any unused WSP(s).

Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

- 1 If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
- 2 Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
- 3 Stop adding water and stop any agitation.

- 4 Place intact/unopened WSP(s) into the tank.
- 5 Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
- 6 Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
- 7 Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
- 8 Stop agitation before tank lid is opened.
- 9 Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
- 10 Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
- 11 Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
- 12 Use the spray solution when mixing is complete.
- 13 Maintain agitation of the diluted pesticide mix during transport and application.
- 14 It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

ENGINEERING CONTROLS STATEMENT

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for “applicators and other handlers” and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Restrictions and Directions for Use for Control of Termites

USE RESTRICTIONS

- **Navigator 80 WG Termiticide/Insecticide** cannot be used to formulate, reformulate, or repackage into any other pesticide product without the written permission of Gharda Chemicals Limited.
- This product is not for use as a post-construction exterior perimeter/localized interior (EP/LI) structural termite treatment in the state of Louisiana.
- When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediately 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 cleanup is completed.
- Prior to drilling and treating through concrete structures, such as patios, porches, sidewalks and foundation slabs applicator should first determine that there are no habitable areas below that could be unintentionally contaminated by the treatment.
- Only protected applicators wearing personal protective equipment as required by this product label may be in the area during application.
- All holes in commonly occupied areas into which **Navigator 80 WG Termiticide/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 dilution of **Navigator 80WG Termiticide/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 within a distance of one foot out from the drip line of edible plants.
- **DO NOT** contaminate public and private water supplies.

- **DO NOT** make treatments while precipitation is occurring.
- **DO NOT** treat soil that is water-saturated or frozen.
- Use anti-backflow or air gap equipment with filling hoses.
- **DO NOT** use in tanks with borate contaminants.

DIRECTIONS FOR USE FOR CONTROL OF TERMITES

Read entire label before using this product.

Use Information

When used as in accordance with the directions in this label this product provides effective prevention and/or control of subterranean termites. This product must be applied in a manner which provides a continuous treated zone to effectively prevent termites from infesting wood. This product may only be applied by licensed technicians familiar with trenching, rodding, short rodding, sub-slab injection, low-pressure banded surface applications, and foam delivery technique. This product is a highly effective termiticide against a variety of subterranean termites including species of *Reticulitermes*, *Zootermopsis*, *Heterotermes*, and *Coptotermes*.

While **Navigator 80WG Termiticide/Insecticide** is labeled for use at 0.06%, 0.09% and 0.125% finished dilution, the 0.06% finished dilution 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 advisable to use 0.09% or 0.125% **Navigator 80WG Termiticide/Insecticide**.

Navigator 80WG Termiticide/Insecticide is formulated as an 80% wettable granule (WG) concentrate prepackaged in individually water soluble packaging at a dosage convenient for individual use. Each water soluble packet is contained inside a resealable plastic outer container to maintain integrity of the product during storage. **Note: Water soluble packets are sensitive to moisture. DO NOT** allow packets to become wet prior to adding to the spray tank. **DO NOT** handle the packets with wet gloves. **DO NOT** handle the packets roughly as such handling may cause breakage of the water soluble packaging. If a pack gets wet prior to placement in the spray tank, return the wet packet to the resealable outer container. This “wet packet” can still be used. Pour the contents of the “wet packet” directly into the spray tank following the mixing directions below. Unused packets need to be resealed in the plastic outer container. To prepare the spray mixture, remove the packets from the resealable outer container and follow the mixing instructions below.

Mixing Instructions

Mix **Navigator 80WG Termiticide/Insecticide** with water in the following manner:

- Fill mix tank 1/4 to 1/3 full with water. Filling hose must be equipped with an acceptable anti-backflow device, or the water flow must include an air gap to protect against back siphoning.
- Start the circulation pump on the spray tank to begin by-pass agitation. Position and secure end of spray tool in the tank and begin circulation through the spray tool.

[OPTIONAL] MIXING DIRECTIONS FOR WATER SOLUBLE PACKAGED PRODUCT

- Follow the directions on the product container and remove the appropriate number of individual water soluble packets from their resealable outer plastic container and add them to the spray tank. (See Table below to determine the proper number packets required to prepare the desired amount of finished dilution.
- Add remaining amount of water to achieve the proper concentration of spray volume. Run the mix pump until all packets in the tank have dissolved and the **Navigator 80WG Termiticide/Insecticide** has dispersed completely. Continue running the mix pump and allow recirculation through the spray hose back into the tank.

[OPTIONAL] MIXING DIRECTIONS FOR NON-WATER SOLUBLE PACKAGED PRODUCT

- Empty complete contents of the individual container into the spray tank and continue mixing until the product dissolves. (See Table below to determine desired amount of finished dilution.)
- Add remaining amount of water to achieve the proper concentration of spray volume. Run the mix pump until all of the **Navigator 80WG Termiticide/Insecticide** has dispersed completely. Continue running the mix pump and allow recirculation through the spray hose back into the tank.

[OPTIONAL TABLE FOR WATER SOLUBLE PACKAGING]

Finished Dilution Rates for Water Soluble Packaging

Finished Dilution Concentration (% ai by wt) Navigator 80WG Termiticide/Insecticide	Number of Packets to Add	Finished Dilution (Gallons)
0.06%	1	25
	2	50
	4	100
0.09%	1	17
	2	34
	4	67
	6	100
0.125%	2	25
	4	50
	8	100

*One (1) Packet of **Navigator 80WG Termiticide/Insecticide** weighs 2.6 ounces and contains 2.1 ounces of fipronil.

[OPTIONAL TABLE FOR NON-WATER SOLUBLE PACKAGING]

Finished Dilution Rates by Container Size

Finished Dilution Concentration (% ai by wt) FIPRONIL 80DF TC	Finished Dilution (Gallons)		
	8.4 ounce container	16.8 ounce container	67.2 ounce container
0.06%	100	200	800
0.09%	68	136	544
0.125%	50	100	400

Application Volume for Termiticide Use

For most applications use the 0.06% dilution and apply at a rate of 4 gallons of dilution per 10 linear feet per foot of depth. For example for treatment of 10 linear feet with a four foot depth use 4 x 4 (16) gallons per 10 linear feet. **DO NOT** apply at a concentration less than 0.06%. Where severe termite infestations occur, where problem soils occur or where difficult or problem construction types are encountered it may be advisable to use either the 0.09% or 0.125% concentration. Apply the higher concentration at a rate of 4 gallons of solution per 10 linear feet per foot of depth. For example, for treatment of 10 linear feet with a four foot depth use 16 (4 x 4) gallons per 10 linear feet. In dense soil that will not accept a volume of 4 gallons per linear foot per foot of depth use the 0.125% dilution and apply at a rate of 2 gallons per 10 linear feet per foot of depth. For example, for treatment of 10 linear feet with a four foot depth use 8 (2 x 4) gallons per 10 linear feet. When using the lower volume of application be careful to maintain a continuous treated zone. Drilling holes closer than 12 inches apart may be necessary for reduced volume applications.

PRE-CONSTRUCTION TREATMENT

In advance of treatment applicators must notify the general contractor, construction superintendent or other responsible personnel of the intended **Navigator 80WG Termiticide/Insecticide** application and the intended sites of application. Applicators must instruct the person responsible to notify construction workers and other individuals on site to vacate the treatment area and not to return until **Navigator 80WG Termiticide/Insecticide** has been absorbed into the soil. **DO NOT** apply at a dosage and/or concentration lower than 0.06% for applications up to and including installation of the final grade.

Use Information

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 a thorough and complete horizontal and vertical treated zone using 0.06%, 0.09% or 0.125% **Navigator 80WG Termiticide/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 Treated Zones: Apply an overall treatment of **Navigator 80WG Termiticide/Insecticide** to the entire surface to be covered by the concrete slab. This includes living area as well as carports, porches, basement floors, and any extended entrances. Apply this treatment at the rate of 1 - 1.5 gallons finished dilution per 10 square feet using a coarse spray nozzle and low-pressure spray (less than 25 psi). Spray the dilution evenly and uniformly over the entire area treated.

Vertical Treated Zones: Apply **Navigator 80WG Termiticide/Insecticide** at rate of 1 gallon finished dilution per square foot around anything penetrating the slab, such as, utility services and plumbing lines. Apply **Navigator 80WG Termiticide/Insecticide** at a rate of 4 gallons of finished dilution per 10 linear feet per foot of depth along the inside and outside perimeter of the foundation walls. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements. If the footing is more than 4 feet below grade make this treatment to a minimum of 4 feet below grade. A trench need not be wider than six inches. Treat the soil which will be replaced in the trench using a low pressure (not more than 25 p.s.i. at the nozzle). When rodding from grade or from the bottom of a shallow trench, space the rod holes no more than 12 inches apart in a manner which will create a continuous treated zone.

The horizontal and vertical treated zone applications should be made prior to covering the area with a concrete slab. It is highly recommended that a complete horizontal treated zone be created prior to the slab pour. However, if the slab was poured before a horizontal treatment could be made, refer to the Post Construction section of this label for alternate application instructions. If a slab is not to be poured the same day as treatment, cover the treated soil with a waterproof barrier such as polyethylene sheeting.

Crawl Spaces

For crawl spaces, apply a vertical termiticide treatment at the rate of 4 gallons of finished dilution (0.06% or 0.09% or 0.125% of **Navigator 80 WG Termiticide/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 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 treated zone 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 dilution must be mixed with soil as it is replaced in the trench.

Hollow Block Foundations or Voids

Create a continuous treatment zone by treating hollow block foundations or voids in masonry resting atop the footing. If voids in the masonry elements are not openly accessible, drill and treat into these voids by applying 2 gallons of finished dilution per 10 linear feet of footing using a nozzle pressure of 25 psi or lower. When using this treatment, drill the access holes as close to the footing (as low on the foundation) as practical. Drilling below the sill plate is acceptable. Applicators must examine the treated areas of voids in block or rubble foundation walls closely for possible runoff as a precaution against application leakage. Mechanical alteration to some areas may be required before a treatment can be made. Some areas may not be treatable.

All leaks resulting in the deposition of **Navigator 80WG Termiticide/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 cleanup is completed.

Not for use in voids insulated with rigid foam.

Use with Other Products

When a borate based termite control product has been chosen as the primary pre-construction treatment for subterranean termites and is applied in accordance with the directions for use on the borate product's label, **Navigator 80WG Termiticide/Insecticide** may be used as an exterior only perimeter pre-construction treatment. For an exterior perimeter pre-construction treatment **Navigator 80WG Termiticide/Insecticide** must be applied in such a way as to create a continuous treated zone along the exterior foundation of the structure. A complete and thorough horizontal pre-construction treatment with **Navigator 80WG Termiticide/Insecticide** under the concrete slab is optional.

Navigator 80WG Termiticide/Insecticide may also be applied to critical areas of the interior of the structure including around plumbing or utility services penetrating floors bath and/or shower traps or along concrete expansion joints and other areas of known or suspected termite activity.

Refer to the POST CONSTRUCTION EXTERIOR PERIMETER/LOCALIZED INTERIOR (EP/LI) STRUCTURAL TERMITE TREATMENT section of this label for instructions on applications to the exterior perimeter of a structure and to critical areas in the interior of the structure.

POST-CONSTRUCTION CONVENTIONAL STRUCTURAL TERMITE TREATMENT

Use Information

For applications of **Navigator 80WG Termiticide/Insecticide** made after the final grade is installed, to protect the structure from termite infestation and/or to control existing termite populations, the applicator must trench and rod into the trench or trench and treat along the foundation walls, around pillars and around other foundation elements at either 0.06% or 0.09% or 0.125% from grade to the top of the footing. When the footing is more than 4 feet below grade treat to a minimum depth of four feet. The 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 soil adjacent to the footing must be treated to a depth not to exceed the bottom of the footing. Never treat any structure below the footing.

To establish a complete exterior perimeter treatment zone along the foundation wall, drill any exterior concrete structures adjoining the foundation, such as patios, porches and sidewalks, and, treat by sub-slab injection of **Navigator 80WG Termiticide/Insecticide** finished dilution. Before treatment locate and identify all heating or air conditioning vents and ducts, water and sewer plumbing lines electrical lines, and conduits. Avoid contamination or 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 by trenching along the foundation walls at the rate of 4 gallons of finished dilution per 10 linear feet per foot of depth or if the footing is more than 4 feet below grade, treat to a minimum depth of 4 feet. Space the rod holes no more than 12 inches apart in a manner that will create a continuous treatment zone. Mix the finished dilution into the soil as it is replaced into the trench. Never treat a structure below the footing. Space the rod holes no more than 12 inches apart in a manner which will create a continuous treated zone. Mix the finished dilution into the soil before replacing it into the trench.

Sub-Slab Injection: Sub-slab injection treatments can be made from inside the structure or, in cases where this is not possible, from the outside of the structure by drilling through the foundation as directed below. Before treatment locate and identify all heating or air conditioning vents and ducts, water and sewer plumbing lines, electrical lines and conduits. Avoid contamination or damage to these structural elements.

Vertical Drilling/Injection: Make treatments under the slab by drilling vertically through the slab along the interior perimeter of the foundation including the garage. Drill holes along all concrete expansion joints, cracks, and plumbing and utility services penetrating the slab. It may be necessary to drill holes along one side of the slab adjacent to interior partition walls when there is clear evidence of termite activity or damage. Space all drill holes no more than 12 inches apart in a manner which will create a continuous treated zone. Inject the finished dilution of **Navigator 80WG Termiticide/Insecticide** into the drill holes at a rate of 4 gallons per 10 linear feet per foot of

depth. When making an application use a lateral dispersal nozzle to achieve the best results. After treatment all holes in commonly occupied areas must be plugged with a non-cellulose material or covered with an impervious non-cellulose material.

Horizontal Drilling/Rodding/Sub-slab Injection from the Exterior of the Foundation: Use this technique to treat underneath the slab only when floors or interior design do not allow for treatment by vertical drilling. Care must be taken not to rod into heating or air conditioning vents and ducts, water and sewer plumbing lines, electrical lines and conduits. Use horizontal short rodding practices to create a continuous treated zone into the soil-adjacent to the inside of the foundation wall. Angle drill holes through the outside of the foundation to ensure deposition of **Navigator 80WG Termiticide/Insecticide** below any existing heating ducts, water and sewer lines or electrical conduits. Use horizontal long rodding practices only when the areas to be treated underneath the slab are not accessible by vertical rodding or horizontal short rodding. **DO NOT** use long rods exceeding 20 feet. For all horizontal rodding applications space drill holes no more than 12 Inches apart in a manner that will create a continuous treated zone. Inject the finished dilution of **Navigator 80WG Termiticide/Insecticide** into the drill holes at a 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 with a non-cellulose material or covered by and impervious non-cellulose material.

Bath Traps: Treat exposed soil or soil covered with tar or similar sealant beneath or around plumbing and/or drain pipe entry areas with a minimum of 1 gallon but not more than 4 gallons of finished solution per square foot of soil. It may be necessary to remove tar or sealant to ensure adequate soil penetration. Install an access door or inspection portal if one is not already present. After inspection and removal of all wood or cellulose debris treat the soil by rodding or drenching with the finished dilution of **Navigator 80WG Termiticide/Insecticide**.

Shower Drains: To treat the soil beneath and adjacent to shower pan drains drill through the slab adjacent to the shower pan and apply the finished dilution of **Navigator 80WG Termiticide/Insecticide** by sub-slab injection to the soil below. Foam can be used to maximize dispersion. Drill multiple access points adjacent to the drain and use a directional dispersion tip to enhance the treatment of the soil beneath the drain. Treat with a minimum of 1 gallon but not more than 4 gallons of finished spray dilution per shower drain. Horizontal rodding can be used to access and treat soil associated with the shower drain.

Basement Structures

Exterior Perimeter: Apply by trenching and rodding into the trench or by trenching and treating along the foundation walls at the rate of 4 gallons of finished dilution of **Navigator 80WG Termiticide/Insecticide** per 10 linear feet per foot of depth or if the footing is more than 4 feet below grade treat to a minimum depth of 4 feet. Trenches need not be wider than 6 Inches and must be a minimum of 6 Inches deep or to the bottom of the footing. When trenching in sloping or tiered soil the trench must be stepped to ensure adequate distribution and to prevent **Navigator 80WG Termiticide/Insecticide** from running out of the trench. Never treat a structure below the footing. Space the rod holes no more than 12 Inches apart in a manner which will create a continuous treated zone. Mix the finished dilution into the soil as it is replaced into the trench.

Inside Perimeter: **DO NOT contaminate wells or cisterns.** 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 and any plumbing or utility services penetrating the slab. Drill holes along both sides of partition foundation walls and around piers where there is clear evidence of termite activity. In a non-foundation interior partition wall drill holes through the slab adjacent to the wall along one side. Space all drill holes no more than 12 inches apart in a manner which will create a continuous treated zone. Inject the finished dilution of **Navigator 80WG Termiticide/Insecticide** into the drill holes at the rate of 4 gallons per 10 linear feet per foot of depth. When making applications use a lateral dispersal nozzle to achieve the best results. After treatment all holes in commonly occupied areas must be plugged with a non-cellulose material or covered with an impervious non-cellulose material.

Structures With French Drains and Sump Pumps: In sites where French drains exist at the footer along the foundation perimeter the soil must be dry before applications can be made. **DO NOT** treat soil that is saturated or frozen. **DO NOT** make treatments while precipitation is occurring. To prevent seepage of finished dilution or damage to drains or tiles, **DO NOT** rod through the slab any closer than 24 inches from French drains. **DO NOT** apply **Navigator 80WG Termiticide/Insecticide** within 5 feet from the sump pump pit and pump. **DO NOT** drill through hollow block foundations that border French drains in order to prevent drainage or seepage from the block into the drains. Identify and locate French drains, then apply **Navigator 80WG Termiticide/Insecticide** in the following manner:

- Unplug the sump pump. Inspect the sump pit for water. If no water is present keep pump unplugged while making the treatment.
- If water is in the pump pit unplug the sump pump and remove four cups of water from the pit.

Mark the water level. Wait 10 minutes then check the water level in the pit. If the water level has risen there is too much seepage to make a treatment. If the water level has not risen treatment can be made as long as the sump pump remains unplugged.

During application check the sump pump pit every few minutes for the presence of termiticide dilution. If dilution is detected stop the treatment immediately and remove all dilution from the pump pit before plugging the pump back in. Dispose of the dilution from the sump pump pit as directed by this label in the Storage and Disposal section.

Accessible Crawl Space Construction

Before treatment turn off any air circulation equipment that moves air from the area to be treated to any untreated interior space of the structure. DO NOT turn the air circulation system back on until the application of Navigator 80WG Termiticide/Insecticide is completed and has been absorbed into the soil.

Treat crawl spaces by applying a vertical **Navigator 80WG Termiticide/Insecticide** treatment at the rate of 4 gallons of finished dilution per 10 linear feet per foot of depth from grade to the top of the footing or if the footings are more than 4 feet below grade treat to a minimum depth of 4 feet. Apply by trenching and rodding into the trench or by trenching. Treat both sides of foundations and around all piers and pipes. In areas where physical obstructions exist that prevent trenching, such as, concrete walkways adjacent to the foundation apply by rodding alone. Where soil type and/or conditions make trenching impossible apply by rodding. When the top of the footing is exposed treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. Read and follow the mixing directions in the Mixing Instructions section of this label when encountering soil types which will not accept the full application volume

- Rod holes and trenches must not extend below the bottom of the footing.
- Space the rod holes no more than 12 inches apart in a manner which will create a continuous treated zone.
- Trenches need not be wider than 6 inches and must be a minimum of 6 inches deep or to the bottom of the footing. When trenching in sloping or tiered soil the trench must be stepped to ensure adequate distribution and to prevent **Navigator 80WG Termiticide/Insecticide** from running out of the trench. Mix the finished dilution into the soil before replacing it into the trench.

Inaccessible Crawl Space Construction

Before treatment turn off any air circulation equipment that moves air from the area to be treated to any untreated interior space of the structure. DO NOT turn the air circulation system back on until the application of Navigator 80WG Termiticide/Insecticide is completed and has been absorbed into the soil.

For any inaccessible interior areas (for example where the clearance between the floor joists and ground surfaces do not allow for operator access) excavate if possible and follow the instructions for accessible crawl spaces. When excavation is not possible apply one or a combination of the following two methods:

- Establish a horizontal treated zone by applying 1 gallon of finished dilution of **Navigator 80WG Termiticide/Insecticide** with a coarse application nozzle (e.g. Delavan Type RD, Raindrop RD 7 or larger or Spraying Systems Co 80110LP Teejet or comparable nozzle) per 10 square feet of soil surface using a nozzle pressure of less than 25 psi. For any area which cannot be reached with the application wand use one or more extension rods. **DO NOT** broadcast or power spray with high pressure.
- Establish a horizontal treated zone by drilling through the foundation wall or through the floor above and treating the soil adjacent to the foundation at a rate of 1 gallon of finished solution of **Navigator 80WG Termiticide/Insecticide** per 10 square feet. Drill spacing must not exceed 16 inches between drill holes. Many states have smaller interval requirements so check state regulations before application. Treat the soil adjacent to foundation elements with short or long rodding techniques without drilling if it is possible to reach the soil to be treated with the treatment tool.

Hollow Block Foundations/Voids

Establish a continuous treated zone in hollow block foundations or voids in masonry resting on top of the footing by drilling and treating into voids of multiple masonry elements of the structure to soil level. If not openly accessible drill and treat into voids of masonry elements. Apply 2 gallons of finished dilution per 10 linear feet of footing at a nozzle pressure of 25 psi or less. When making this treatment drill access holes as close as possible to the footing and below the level of the sill plate if practical. Applicators must examine the treated areas for possible runoff as a precaution against application leakage. Mechanical alteration to some areas may be required before a treatment can be made. Other areas may not be treatable.

All leaks resulting during the application of **Navigator 80WG Termiticide/Insecticide** in locations other than those prescribed on this label must be cleaned up before leaving the application site. **DO NOT** allow people or

pets to come in contact with contaminated areas until the cleanup 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 **Navigator 80WG Termiticide/Insecticide** within 5 feet of any well or cistern. Treat soil within 5 to 10 feet of any well or cistern by backfill method only. Treat soil adjacent to water pipes within 3 feet of grade by backfill method.

Backfill Method

- 1) Trench to remove the soil to be treated and place it into a wheelbarrow or onto heavy plastic sheeting or similar material.
- 2) Treat the soil at a rate of 4 gallons of finished dilution of **Navigator 80WG Termiticide/Insecticide** per 10 linear feet per foot of trench depth or at a rate of 1 gallon per cubic foot of soil. Mix the **Navigator 80WG Termiticide/Insecticide** thoroughly into soil while taking care to prevent runoff or spillage.
- 3) After the treated soil has completely absorbed the finished dilution of **Navigator 80WG Termiticide/Insecticide** return the soil into the trench.

Structures Adjacent to Wells/Cisterns and/or Other Bodies of Water

Prior to application examine any structure with nearby sources of water such as wells, cisterns, ponds, streams or other bodies of water, then follow the treatment procedures described below:

- 1) Only treat foundations that are more than 5 feet from a well or cistern.
- 2) If the pipe(s) from the well enter the structure with 3 feet of grade expose them if possible prior to treatment. If feasible prior to treatment, expose the water pipe(s) coming from the well to the structure. Treat the soil adjacent to the water pipe(s) using the backfill method described above.
- 3) Take precautions prior to treatment to limit the risk of **Navigator 80WG Termiticide/Insecticide** being applied to subsurface drains which empty into any bodies of water including evaluating whether treatment of the footer could result in contamination of subsurface drains. Take into consideration such factors as depth to the drain system, soil type and degree of compaction when determining the depth of treatment.
- 4) Use the treated backfill method when appropriate (for example on the water side of the structure) to minimize off site movement of **Navigator 80WG Termiticide/Insecticide**.
- 5) To minimize potential runoff of **Navigator 80WG Termiticide/Insecticide** into non-target areas apply a finished dilution of 0.125% at a rate of 2 gallons per 10 linear feet per foot of depth.

Plenum Construction

Before treatment turn off any air circulation equipment that moves air from the area to be treated to any untreated interior space of the structure. DO NOT turn the air circulation system back on until the application of Navigator 80WG Termiticide/Insecticide is completed and has been absorbed into the soil. Treat the soil exterior to the foundation walls according to the instructions in the Accessible Crawl Space Construction section of this label.

Follow the instructions below for interior treatment of plenum structures that use a sealed space to circulate heated or cooled air throughout the structure.

- 1) Remove sealing fabric and anything on the sealing fabric to expose no more than 18 inches width adjacent to all foundation structures, including foundation walls, interior piers, pipes and any other structures in contact with soil. Treat according to the instructions for exterior and interior treatment in the **Accessible Crawl Space Construction** section of this label.
- 2) After the finished dilution of **Navigator 80WG Termiticide/Insecticide** has been absorbed into the soil return the sealing fabric and anything removed from the surface of the sealing fabric to their original pre-treatment positions.

Foam Application

When construction practices, soil subsidence or other factors make it difficult to establish a continuous treated zone with conventional liquid application methods, supplement treatment with the use of foam generating equipment. Foam applications are useful in the treatment of filled stoops and porches, chimney bases, into block voids behind masonry or other veneers and into stud walls. Utilize applications of dry foam only (a range of 15:1 to 50:1 expansion ratio) when treating wall voids in stud walls. Apply foam to wall voids where evidence of termite presence or damage exist or are suspected. Foam only treatments under slabs are appropriate when maximum

horizontal coverage is desired in areas with no deep foundation or footing (for example around plumbing entries and near settlement cracks in concrete slabs). Use both conventional liquid application and foam treatment in areas where both lateral spread and deeper vertical penetration of **Navigator 80WG Termiticide/Insecticide** are desired. Effective treatment is highly dependent on volume and amount of active ingredient. Apply at least 75% of the finished dilution of **Navigator 80WG Termiticide/Insecticide** as a liquid treatment then deliver the remaining 25% or less to the appropriate areas as a foam application. The total amount of product applied as a combined foam and liquid treatment should be equivalent to volume of **Navigator 80WG Termiticide/Insecticide** liquid finished dilution required for a liquid application alone. Foam applications provide a good supplement to liquid applications in difficult to treat areas

Foam Mixing Instructions

Prepare the desired finished dilution of **Navigator 80WG Termiticide/Insecticide** then mix with the manufacturer's recommended quantity of foaming agent in suitable foaming equipment. Apply a sufficient volume of **Navigator 80WG Termiticide/Insecticide** foam to establish a continuous treated zone at the rates recommended in this label for specific applications. When sufficient foam volume cannot be applied to achieve the recommended rate of **Navigator 80WG Termiticide/Insecticide** supplement the treatment with additional liquid finished dilution to assure appropriate treatment volume and concentration in the treated area.

Application Rate Chart

- 1 gallon of finished dilution at a foam expansion ratio of 25:1 makes 25 gallons of foam.
- 1.66 gallons of finished dilution at a foam expansion ratio of 15:1 makes 25 gallons of foam.
- 2.5 gallons of finished dilution at a foam expansion ratio of 10:1 makes 25 gallons of foam.
- 5 gallons of finished dilution at a foam expansion ratio of 5:1 makes 25 gallons of foam.

POST-CONSTRUCTION EXTERIOR PERIMETER/LOCALIZED INTERIOR (EP/LI) STRUCTURAL TERMITE TREATMENT (Not Approved for Use in Louisiana)

Use Information

This type of post construction application of **Navigator 80WG Termiticide/Insecticide** can be made after the final grade is installed to protect the structure from termite infestation and/or to control existing termite populations. This treatment method is designed to be minimally invasive to the interior of the structure with the establishment of a continuous treated zone along the exterior of the foundation and treatment of interior spaces only where termite activity has been found. If you have questions regarding this treatment consult the appropriate state agency. Termite activity is defined as the presence of one or more of the following signs of infestation:

- 1) Alates (winged termites) have swarmed inside the structure.
- 2) Live termites are found to be active within the structure.
- 3) There is clear evidence of termite activity on or inside the structure such as the presence of mud tubes galleries in wood and live termites.

DO NOT apply **Navigator 80WG Termiticide/Insecticide** finished dilution as perimeter/localized interior treatment at a concentration lower than 0.06% or at an application volume lower than those specified in the Application Rates for Termiticide Use section of this label.

Exterior Perimeter Treatment

To prevent termite infestation of a structure using this treatment method, exterior perimeter applications of **Navigator 80WG Termiticide/Insecticide** must be made in a manner which will create a continuous treated zone. If situations are encountered where the soil will not accept the full application volume recommended in the use directions below. Read and follow the directions in the Application Volume for Termiticide Use section of this label.

Concrete Slab on Ground (Including Monolithic Floating and Supported Concrete Slabs)

Apply along the exterior foundation perimeter by trenching and rodding into the trench or by trenching along the foundation walls at the rate of 4 gallons of finished dilution per 10 linear feet per foot of depth. Trenches need not be wider than 6 Inches and must be a minimum of 6 inches deep or to the bottom of the footing. Space the rod holes no more than 12 inches apart in a manner which will create a continuous treated zone. Mix the finished dilution into the soil as it is replaced it into the trench. In areas where physical obstructions exist that prevent trenching such as concrete walkways adjacent to the foundation apply by rodding alone. Where soil type and/or conditions make trenching impossible apply by rodding. In order to establish a continuous exterior perimeter treatment zone, drilling and sub-slab treatment will be necessary wherever adjoining concrete structures exist, such as, patios porches or sidewalks. For driveways, exterior drilling is necessary only around building supports or wall elements permanently located at driveway joints. Never treat a structure below the footing.

Basement and Inaccessible Crawl Space Construction

Apply along the exterior foundation perimeter by trenching and rodding into the trench or by trenching along the foundation walls at the rate of 4 gallons of finished dilution of **Navigator 80WG Termiticide/Insecticide** per 10 linear feet per foot of depth or if the footing is more than 4 feet below grade, treat to a minimum depth of 4 feet. Trenches need not be wider than 6 inches and must be a minimum of 6 inches deep or to the bottom of the footing. When trenching in sloping or tiered soil, the trench must be stepped to ensure adequate distribution and to prevent **Navigator 80WG Termiticide/Insecticide** from running out of the trench. Space the rod holes no more than 12 inches apart in a manner which will create a continuous treated zone. Mix the finished dilution into the soil before replacing the soil into the trench. Never treat a structure below the footing. In areas where physical obstructions exist that prevent trenching, such as concrete walkways adjacent to the foundation, apply by rodding alone. Where soil type and/or conditions make trenching impossible, apply by rodding. In order to establish a complete exterior perimeter treatment zone, drilling and sub-slab treatment will be necessary wherever adjoining concrete structures exist, such as patios, porches or sidewalks. For driveways exterior drilling is necessary only around building supports or wall elements permanently located at driveway joints. Never treat a structure below the footing. If termite activity is detected inside an inaccessible crawl space the area must be treated. Make a localized interior treatment at the site of termite activity and extending at least 2 feet in both directions from the activity. Choose the appropriate application technique for treating inaccessible crawl space construction by referring to the POST CONSTRUCTION CONVENTIONAL STRUCTURAL TERMITE TREATMENT section of this label.

Accessible Crawl Spaces

Before treatment turn off any air circulation equipment that moves air from the area to be treated to any untreated interior space of the structure. DO NOT turn the air circulation system back on until the application of Navigator 80WG Termiticide/Insecticide is completed and has been absorbed into the soil. Treat crawl spaces by applying a vertical **Navigator 80WG Termiticide/Insecticide** treatment at the rate of 4 gallons of finished dilution 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, treat to a minimum depth of 4 feet. Apply by trenching and rodding into the trench or by trenching. Treat outside of the foundation and around all piers and pipes in area where physical obstructions exist that prevent trenching, such as concrete walkways adjacent to the foundation, apply by rodding alone. Where soil type and/or conditions make trenching impossible apply by rodding. When the top of the footing is exposed treat the soil adjacent to the footing to a depth not to exceed the bottom of the footing. In order to establish a complete exterior perimeter treatment zone drilling and sub-slab treatment will be necessary wherever adjoining concrete structures exist, such as patios, porches or sidewalks. If situations are encountered where the soil will not accept the full application volume recommended in the use directions below, read and follow the directions in the Application Rates for Termiticide Use section of this label.

- Rod holes and trenches must not extend beneath the bottom of the footing.
- Space the rod holes no more than 12 inches apart in a manner which will create a continuous treated zone.
- Trenches need not be wider than 6 inches and must be a minimum of 6 inches deep or to the bottom of the footing. When trenching in sloping or tiered soil the trench must be stepped to ensure adequate distribution and to prevent **Navigator 80WG Termiticide/Insecticide** from running out of the trench. Mix the finished dilution into the soil as it is replaced into the trench.

Garages - Attached garage floors should be treated.

Sub-slab injection: Sub-slab injection treatments can be made from inside the garage or in cases where this is not possible from the outside of the structure by drilling through the foundation as directed below. Before treatment locate and identify all heating or air conditioning vents and ducts, water and sewer plumbing lines, electrical lines and conduits. Avoid contamination or damage to these structural elements.

Vertical Drilling/Injection: Make treatments under the slab by drilling vertically through the slab along the interior perimeter of the garage foundation. Drill holes along all concrete expansion joint cracks, plumbing and utility services penetrating the slab. Drill holes along interior partition walls when there is clear evidence of termite activity or damage. Space all drill holes no more than 12 inches apart in a manner which will create a continuous treated zone. Inject the finished dilution of **Navigator 80WG Termiticide/Insecticide** into the drill holes at a rate of 4 gallons per 10 linear feet per foot of depth. When making applications use a lateral dispersal nozzle to achieve the best results. After treatment, all holes in commonly occupied areas must be plugged with a non-cellulose material or covered with an impervious non-cellulose material such as Portland cement.

Horizontal Drilling/Rodding/Sub-slab Injection from the Exterior of the Garage Foundation: Use this technique to treat underneath the slab only when interior design does not allow for treatment by vertical drilling. Care must be taken not to rod into heating or air conditioning vents and ducts, water and sewer plumbing lines, electrical lines and conduits. Use horizontal short rodding practices to create a continuous treated zone along the inside perimeter of the

foundation. Angle drill holes through the outside of the foundation to ensure deposition of **Navigator 80WG Termiticide/Insecticide** below any existing heating ducts, water and sewer lines or electrical conduits. Use horizontal long rodding practices only when the areas to be treated underneath the slab are not accessible by vertical rodding or horizontal short rodding. **DO NOT** use long rods exceeding 20 feet. For all horizontal rodding applications space drill holes no more than 12 inches apart in a manner which will create a continuous treated zone. Inject the finished dilution of **Navigator 80WG Termiticide/Insecticide** into the drill holes at rate of 4 gallons per 10 linear feet per foot of depth. All holes must be plugged with a non-cellulose material or covered by an impervious non-cellulose material such as Portland cement.

Localized Interior Treatment

As part of a complete EP/LI treatment, targeted interior applications may be made to vulnerable areas such as around plumbing or utility services penetrating floors bath and/or shower traps or along concrete expansion joints or settlement cracks.

If known termite activity exists in areas inside living spaces or in non-living spaces (such as crawl spaces, plenums, etc.) of the structure, a localized interior treatment must be made at the immediate vicinity of the termite activity and radiating out at least 2 feet from the site in two or more directions.

Hollow Block Foundations / Voids

When termite activity is evident in the vicinity (within 2 feet) of hollow block foundation or voids in masonry resting on the footing, drill the wall adjacent to the evidence if not openly accessible and inject the finished dilution of **Navigator 80WG Termiticide/Insecticide** into the void at a rate of 2 gallons per 10 linear feet of footing using a nozzle of 25 psi or less. This localized interior treatment to hollow block must be made to the site of the termite activity and to areas above the termite activity. Treatment must be applied radiating out at least 2 feet in two or more directions from the site of activity or along the wall or around the pier or support post. Use of foam will maximize dispersion. When using this treatment drill access hole below the sill plate as close as possible to the footing as is practical. Applicators must examine the treated areas of voids in block or rubble foundation walls closely for possible runoff as a precaution against application leakage. Mechanical alteration to some areas may be required before a treatment can be made. Some areas may not be treatable. All leaks resulting during the application of **Navigator 80WG Termiticide/Insecticide** in locations other than those prescribed on this label must be cleaned up before leaving the application site. **DO NOT** allow people or pets to come in contact with contaminated areas or allow them to reoccupy the treatment site until the cleanup is completed.

The drilled holes in commonly occupied areas must be plugged with a non-cellulose material or covered by an impervious non-cellulose material such as Portland cement.

Bath Traps

If termite activity is evident within 2 feet of a bath trap, exposed soil or soil covered with tar or a similar sealant around plumbing and/or drain pipe entry areas must be treated. Tar or sealant may have to be removed to ensure adequate soil penetration. Install an access door or inspection portal if one is not already present. After all wood and cellulose debris is removed treat the soil by rodding or drenching with a minimum of 1 gallon to a maximum of 4 gallons of finished dilution of **Navigator 80WG Termiticide/Insecticide** per square foot.

Shower Drains

If termite activity is evident within 2 feet of a shower drain, soil beneath and adjacent to the drain must be treated. Drill through the slab adjacent to the shower drain and apply the finished dilution of **Navigator 80WG Termiticide/Insecticide** by sub-slab injection to the soil below. Multiple access points may be drilled adjacent to the drain. Use of foam will maximize dispersion. Use of a directional dispersion tip will further enhance the treatment of the soil beneath the drain. Treat the soil with a minimum of 1 gallon but no more than 4 gallons of finished dilution per shower drain. Horizontal rodding can also be used to access and treat soil associated with the shower drain.

Retreatment Instructions

Annual retreatment of a structure is prohibited. Retreatment for subterranean termites can only be performed under the following circumstances:

- There is clear evidence of reinfestation.
- There is disruption of the treated zone due to construction excavation or landscaping and/or there is evidence of the breakdown of the termiticide treated zone in the soil.

Treat these vulnerable or reinfested areas using a spot, partial or complete treatment in accordance with the application techniques described in this label. The timing and selection of retreatment type will vary depending on such factors as termite pressure, soil types and conditions and other factors which may reduce the effectiveness of the treated zone.

POSTS, POLES, WOOD LANDSCAPE ORNAMENTATION

DO NOT contaminate wells or cisterns.

Preventative Treatment

Create a continuous treatment zone in the soil around wooden posts, poles, fence posts, signs, and landscaping ornamentation. Apply the finished dilution of **Navigator 80WG Termiticide/Insecticide** at the rate of 4 gallons per 10 linear feet per foot of depth. When performing the treatment at the time of installation, the finished dilution may be applied to the soil as it is replaced around the pole or post. The application should place termiticide to a depth of 6 inches below the bottom of posts, poles or other wooden objects in contact with soil.

Curative Treatment

Treat previously installed wooden posts, poles, fence posts, signs, and landscaping ornamentation with the finished dilution of **Navigator 80WG Termiticide/Insecticide** by sub-surface injection or by gravity flow through holes made at the bottom of a trench around posts and poles. When trenching, the trench need not be wider than 6 inches and should be 6 inches deep. When sub-surface injecting, treat all sides to create a continuous treatment zone. Apply termiticide to a depth of 6 inches below the bottom of the wood.

TERMITES ABOVE GROUND

For Control of Termite Above Ground Colonies or Drywood Termites

To treat localized areas of wooden structures, apply the finished dilution of **Navigator 80WG Termiticide/Insecticide** to wooden members / voids. To treat inaccessible areas drill and inject the finished dilution into any void spaces in the damaged wood with a crack and crevice injector. Foam application can also be made into void spaces. To treat termite carton nests in trees or building voids, inject the finished dilution of **Navigator 80WG Termiticide/Insecticide** using a pointed injection tool. Multiple injection points to varying depths may be necessary. Physically remove carton nest material from building voids when such nests are found. After treatment the applicator is required to check for leaks resulting in the deposition of **Navigator 80WG Termiticide/Insecticide** locations other than those prescribed on this label. When and if found, this material must be cleaned up before leaving the application site. **DO NOT** allow people or pets to come in contact with contaminated areas or allow them to reoccupy the treatment site until the cleanup is completed.

DO NOT TREAT FRUIT OR NUT BEARING TREES

DIRECTIONS FOR USE TO CONTROL LISTED PESTS ON OUTSIDE SURFACES AND ALONG FOUNDATION PERIMETER OF LISTED STRUCTURES

Listed structures are residential, institutional, commercial and industrial buildings and utility enclosures.

USE RESTRICTIONS

- Only applicators wearing the personal protective equipment required by this product label may be in the area during application.
- **DO NOT** treat within a distance of 1 foot out from the drip line of edible plants.
- **DO NOT** contaminate public or private water supplies.
- **DO NOT** contaminate water, food, or feed. Cover or remove all exposed food, feed, and drinking water.
- **DO NOT** use in tanks with borate contaminants.
- **DO NOT** apply to wasp or hornet nests if they are not attached to the structure exterior or inside wall voids.
- **DO NOT** exceed a maximum of two applications per year.
- **DO NOT** make treatments during times of precipitation.
- **DO NOT** allow resident's children, other people or pets into the treatment area until sprays have dried. After treatment the applicator is required to check for leaks resulting in the deposition of treatment dilution in locations other than those prescribed in this label. When found, this material must be cleaned 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 cleanup is completed.

- **DO NOT** spray air conditioning units or intake vents.
- **DO NOT** use indoors except for application into wall voids.
- **DO NOT** apply to playground equipment or pet quarters.
- **DO NOT** apply to the point of runoff or drip from treated surfaces.
- **DO NOT** apply to boat houses including their piers or pilings.
- **DO NOT** apply within 5 feet of wells or cisterns.
- **DO NOT** apply to French drains or other permeable drainage.
- Doors and windows adjacent to application site must be closed during surface application.
- **DO NOT** apply within 15 feet of bodies of fresh water lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, and commercial fish ponds. A 15 foot buffer of uniform ground cover must exist between application zone and bodies of fresh water (Uniform ground cover is defined as land which supports vegetation of greater than 2 inches in height throughout).
- **DO NOT** apply within 60 feet of estuarine bodies of water. Estuarine water bodies are brackish tidal water bodies, such as, bays, mouths of rivers, salt marshes, and lagoons.

Use Navigator 80WG Termiticide/Insecticide to kill and to provide residual control of the following pests:
Ants (acrobat, Argentine, big headed, carpenter, crazy, odorous pavement, pharaoh and thief)

Use Navigator 80WG Termiticide/Insecticide to kill the following pests

Asian lady beetles
Darkling beetles
Australian, Oriental and smoky brown cockroach
Black widow, brown recluse, cellar and hobo spiders
Box elder bugs
Brown dog ticks
Centipedes
Cluster flies
European earwigs
House Crickets
Millipedes
Paper wasps
Pill bugs
Silverfish
Yellow Jackets

NOTE: Navigator 80WG Termiticide/Insecticide is not a knockdown agent

Application Instructions to Outside Surfaces of Listed Structures and into Wall Voids.

For perimeter pest treatments mix and apply a finished spray dilution of **Navigator 80WG Termiticide/ Insecticide**. See the Mixing Instruction section of this label for instructions. Make applications using a low pressure spray to the exterior of the structure where listed pests enter and trail around the structure or where they crawl and hide. Treat using a low pressure coarse banded surface spray up to 18 inches in width around doors, windows, vents pipes, foundation cracks, and drilled holes or around any exterior openings where listed pests could enter the structure. Make sure to treat the joints where exterior siding (wood, vinyl, aluminum or other similar materials) meets the cement brick or block of the foundation. Treat anywhere electrical cable or telephone wires enter the house. This treatment should be made as a general surface spray, crack and crevice spray or a wall void application. **Navigator 80WG Termiticide/Insecticide** may be applied as a foam treatment into wall voids to kill and/or control the above listed pests. Refer to the Foam Application section of this label for specific foam mixing and application Instructions.

Applications to Perimeter of Listed Structures

Apply a finished spray dilution of **Navigator 80 WG Termiticide/Insecticide** as a low-pressure coarse general spray along the foundation exterior perimeter to an area one foot up and one foot out from where the ground meets the foundation. Apply 2 quarts of 0.06% finished spray dilution of **Navigator 80WG Termiticide/Insecticide** per 160 linear feet.

Refer to the Foam Application section of this label for specific foam mixing and application instructions.

DO NOT exceed a maximum of 2 applications per year.

Nests that are found on the ground within 1 foot of the foundation may be treated. Vegetation touching the structure may offer a route for the entry of ants into the structure without coming into contact with the treatment, therefore remove or prune away any shrubbery, bushes and tree branches touching the structure.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Unused product should be stored in its original resealable container only, and **DO NOT** allow water soluble packets to come in contact with moisture. Store in a cool, dry (preferably locked) place in an area that is inaccessible to children and animals.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

Nonrefillable Outer Foil Wrap Container – Dispose of empty outer foil pouches and outer cartons in trash, as long as water-soluble packet is unbroken.

Non-refillable Plastic Container - **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, offer for recycling or reconditioning, if appropriate or puncture and dispose of in a sanitary landfill or by incineration, or by other procedures approved by state and local authorities.

SPILLS: For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. Refer to Precautionary Statements on label for hazards associated with the handling of this material. **DO NOT** walk through spilled material. In spill or leak incidents, keep unauthorized people away. **You may contact the CHEMTREC Emergency Response for decontamination procedures.**

**For Chemical Spill, Leak, Fire, Exposure, or Accident you may call CHEMTREC at
1-800-424-9300 twenty-four (24) hours per day, seven (7) days per week.**

Conditions of Sale and Warranty

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Gharda Chemicals International Inc. or the seller. To the extent permitted by applicable law, all such risks shall be assumed by buyer.

Notice of Warranty and Disclaimer

Seller warrants that at the time of delivery the product in this container conforms to its chemical description contained hereon and is reasonably fit for its intended purpose under normal conditions of use. This is the only warranty made on this product. To the extent permitted by applicable law, Seller expressly disclaims any implied warranties of merchantability or fitness for any particular purpose and, except as set forth above, any other express or implied warranties. Any damages arising from breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid for this product by Buyer, and shall not include incidental or consequential damages such as, but not limited to, loss of profits or values. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other un-intended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of the Seller. To the extent permitted by applicable law Seller be liable for the consequential, special or indirect damages resulting from the use or handling of this product. The Buyer shall assume all such risks. Buyer acknowledges the use of its own independent skill and expertise in the selection and use of the product and does not rely on any oral or written statements or representations.

NAVIGATOR is a Registered Trademark of Gharda Chemicals International Inc.

Teejet is a registered trademark of Spraying Systems Co.

Raindrop is a registered trademark of Delavan Corporation

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Amended: tba (EPA WSP Instructions)

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