

# NAVIGATOR<sup>®</sup> SC Termiticide/Insecticide

**Active Ingredient:**

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitrile ..... 9.1%

**Other Ingredients:**..... 90.9%

**Total:** ..... 100.0%

One gallon of **Navigator SC Termiticide/Insecticide** contains **0.8 lb of fipronil**.

EPA Reg. No.: 93182-23

EPA Est. No. 5481-ID-001 (ID)

**For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest control products.**

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 animal trophies or animal skins.

**DO NOT** use on/in commercial bee hives.

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

**Shake Well Before Using**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION/PRECAUCIÓN**

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).

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

**NET CONTENTS: [fl.oz.]**

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

[UPC Symbology]

## [Back Container Label

### NAVIGATOR® SC Termiticide/Insecticide

FIRST AID	
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15–20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for treatment advice</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• 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.</li><li>• Call a poison control center or doctor for treatment advice,</li></ul>
<b>Note to Physician:</b> 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 extreme cases, possible convulsions may occur.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment  <b>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.</b>	

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals Caution

Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

### DIRECTIONS FOR USE

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

label before using this product,

**NAVIGATOR SC Termiticide/Insecticide** cannot be used to formulate, reformulate, or package into any other pesticide product without the written permission of Gharda Chemicals International Inc.

For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest control products. States may have more restrictive requirements regarding qualification of persons using this product. Consult the structural pest control regulatory agency of your state concerning use of this product.

### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal. **Pesticide Storage:** Unused product should be stored in its original container only, out of the 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. **CONTAINER HANDLING Nonrefillable Container.** **DO NOT** reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, 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. See attached booklet for complete container handling directions including triple rinsing and pressure rinsing instructions,

### ENVIRONMENTAL HAZARDS

For terrestrial uses, 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 or rinsate.

**NAVIGATOR is a Registered Trademark of Gharda Chemicals Limited.**

# NAVIGATOR® SC

## Termiticide/Insecticide

**Active Ingredient:**

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitrile .....9.1%

**Other Ingredients:**.....90.9%

**Total:** .....100.0%

One gallon of **Navigator SC Termiticide/Insecticide** contains **0.8 lb of fipronil**.

EPA Reg. No.: 93182-23

EPA Est. No. 5481-ID-001 (ID)

**For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest control products.**

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 animal trophies or animal skins.

**DO NOT** use on/in commercial bee hives.

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

## Shake Well Before Using

### KEEP OUT OF REACH OF CHILDREN

### CAUTION/PRECAUCIÓN

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).

**NET CONTENTS: [fl.oz.]**

**Manufactured For:**

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

[UPC Symbology]

FIRST AID	
<b>If Swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15–20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p><b>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.</b></p> <p><b>NOTE TO PHYSICIAN:</b> 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, possible convulsions may occur.</p>	

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear goggles, face shield, or safety glasses. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt, or short sleeved shirt with disposable sleeve covers, and long pants
- Shoes plus socks
- Waterproof gloves, such as, barrier laminate, butyl rubber ≥ 14 mils, neoprene rubber\* ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils.

\*Include natural rubber and laminates.

**When working in a non-ventilated space, including but not limited to basements and crawl spaces, all pesticide handlers must wear:**

- A dust/mist filtering respirator which includes a NIOSH approved respirator with any N, R, P, or HE filters or NIOSH approval number prefix TC- 84A.

**When working in a non-ventilated space, including but not limited to basements and crawl spaces or when applying termiticide by rodding or sub-slab injection, all pesticide handlers must wear:**

- Protective eyewear (goggles, a face shield, or safety glasses with front, brow, and temple Protection)

Follow the 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

### **User Safety Recommendations**

Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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. Remove and wash contaminated clothing before reuse.

## **ENVIRONMENTAL HAZARDS**

For terrestrial uses, 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 wash waters or rinsate.

## **DIRECTIONS FOR USE**

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

**DO NOT USE THIS PRODUCT TO FORMULATE, REFORMULATE, OR REPACKAGE INTO ANY OTHER PESTICIDE PRODUCT.**

For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest 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.

Read the entire label before using this product.

### **Shake Well Before Using**

### **For Use for Control of Termites**

#### **USE RESTRICTIONS**

- 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 SC 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 SC 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** use this product in voids insulated with rigid foam.
- **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, or in conditions where runoff or movement from the treatment area/site will occur.

## Product 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 to provide a continuous treated zone to effectively prevent termites from infesting the wood. **Navigator SC Termiticide/Insecticide** may only be applied by licensed technicians familiar with trenching, rodding, short rodding, sub-slab injection, low-pressure banded surface applications, and foam delivery techniques. This product is a termiticide against a variety of subterranean termites including species of *Reticulitermes*, *Zootermopsis*, *Heterotermes*, and *Coptotermes*, and other wood infesting pests (e.g., carpenter ants, beetles, borers).

**Navigator SC Termiticide/Insecticide** is labeled for use at 0.06%, 0.09%, or 0.125% finished dilution. The 0.06% finished dilution should be used for typical prevention and/or control situations. Where severe termite or other wood-infesting pest infestations, problem soils, or problem construction types exist, it is advisable to use 0.09% or 0.125% **Navigator SC Termiticide/Insecticide** finished dilution, if permitted in the applicable use directions throughout this label.

Where permitted within the use directions, **Navigator SC Termiticide/Insecticide** can be applied as a foam application as directed in the Foam Applications for Prevention and/or Control of Termite, Wood Infesting Pests, and General Pest Control section of this label.

**Navigator SC Termiticide/Insecticide** is formulated as water-based suspension concentrate liquid containing 9.1% active ingredient.

## Mixing Instructions

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

1. Fill mix tank 1/4 to 1/3 full with water. The 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.
2. Start the pump to begin by-pass agitation and place the end of the treating tool in the tank to allow circulation through the spray hose.
3. Add the appropriate amount of **Navigator SC Termiticide/Insecticide** required to prepare the desired dilution. (See Table below).
4. Add the remaining amount of water.
5. Continue to run the pump allowing recirculation through the hose back into the tank until the **Navigator SC Termiticide/Insecticide** is completely dispersed.

**NOTE:** for tanks pre-filled with water, follow steps 2, 3, and 5 above. Recirculation/agitation may not be required for inline injection or other application systems.



Finished Dilution Concentration (% ai by wt) Navigator SC Termiticide/Insecticide	Fluid ounces of Navigator SC Termiticide/Insecticide	Finished Dilution (Gallons)
0.06%	0.8 fl oz	1
	19 fl oz (or 1 pt + 3 fl oz)	24.75
	39 fl oz (or 1 qt + 7 fl oz)	49.75
	78 fl oz (or 2 qt + 14 oz)	99.25
0.09%	1.2 fl oz	1
	29 fl oz (or 1 pt + 13 fl oz)	24.75
	59 fl oz (or 1 qt + 27 fl oz)	49.75
	117 fl oz (or 3 qt + 21 fl oz)	99
0.125%	1.6 fl oz	1
	39 fl oz (or 1 qt + 7 fl oz)	24.75
	78 fl oz (or 2 qt + 14 fl oz)	49.75
	156 fl oz (or 1 gal + 28 fl oz)	98

Percentage weight of active ingredient to weight of spray dilution.

### Application Rates 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 4 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 0.09% or 0.125% concentration. Apply the higher concentration at a rate of 4 gallons of solution per 10 linear feet per foot or depth. For example for treatment of 10 linear feet with a 4 foot depth use 16(4 x 4) gallons per 10 linear feet. In dense soil which 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 4 foot depth use 8 (2x4) gallons per 10 linear feet. When using the lower volume of application, be careful to maintain a continuous treatment zone. If application requires drilling, drill holes less than 12 inches apart to maintain a continuous treated zone.

## PRE-CONSTRUCTION TERMITE TREATMENTS

### Basic Information for Pre-construction Termite Treatments

For pre-construction treatments, up to and including installation of the finished grade:

- **DO NOT** apply at a **LOWER** dosage and/or concentration than 0.06%, 0.09% or 0.125% for horizontal and vertical treatments.
- **DO NOT** apply at a **LOWER** finished dilution volume than 1.0 to 1.5 gallons per 10 square feet for concrete slabs on ground or in basements (horizontal treated zones.)
- **DO NOT** apply at a **LOWER** finished dilution volume than 2 gallons per 10 linear feet per foot or depth for vertical treated zones along this interior and exterior perimeter of foundation walls and around pillars and other foundation elements.

In advance of treatment applicators must notify the general contractor, construction superintendent or other responsible personnel of the intended **Navigator SC 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 SC 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.

### Pre-construction Application Information

Pre-construction treatments include any treatment made during all phases of construction up to and including installation of the final grade. Establishing a thorough and complete horizontal and vertical treated zone will provide effective pre-construction termite control. When foundations are deeper than 4 feet it is preferable to apply **Navigator SC Termiticide/Insecticide** as the backfill is being replaced. If the backfill is already in place the applicator must trench and rod into the trench or trench along the foundation walls around pillars and other foundation elements, at the rate prescribed from grade to a minimum depth

of 4 feet. When trenching in sloping or tiered soil the trench must be stepped to ensure adequate distribution and to prevent **Navigator SC Termiticide/Insecticide** from running out of the trench. When trenching, trenches must be a minimum of 6 inches deep (no deeper than the bottom of the footing) and need not be wider than 6 inches. 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.

## **Concrete Slab (Including Monolithic, Floating and Supported Concrete Slabs) on Ground or in Basements and Crawl Spaces**

**Horizontal Treated Zones:** Apply an overall treatment of **Navigator SC 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. 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.

**Vertical Treated Zones:** Apply **Navigator SC 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 SC 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 depth of 4 feet below grade. A trench need not be wider than 6 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. A complete horizontal treated zone can 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

## **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 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. Other areas may not be treatable.

All leaks resulting in the deposition of **Navigator SC 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.

# **POST-CONSTRUCTION STRUCTURAL TERMITE TREATMENT**

## **POST-CONSTRUCTION APPLICATION INFORMATION**

For applications of **Navigator SC 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 4 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 SC 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, and avoid contamination.

## **Concrete Slab over soil (Including Monolithic, Floating and Supported 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. 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 that will create a continuous treatment 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. Never treat a structure below the footing. Mix the finished dilution into the soil as it is replaced 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, and 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. 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 to create a continuous treated zone. Inject the finished dilution of **Navigator SC 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 method 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 methods 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 SC 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 SC 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 SC 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 SC 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.

**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 SC 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 SC 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.

## 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 SC 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 SC 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.

**Interior 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 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 to create a continuous treated zone. Inject the finished dilution of **Navigator SC 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.

## 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 SC Termiticide/Insecticide is completed and has been absorbed into the soil.** Treat crawl spaces by applying a vertical **Navigator SC 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 SC 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 SC 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 SC Termiticide/Insecticide** with a coarse application nozzle (e.g. Delavan Type RD, Raindrop RD 7 or larger or Spraying Systems Co 80110LP Tee jet 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 SC Termiticide/Insecticide** per 10 square feet. Drill spacing must not exceed 16 inches between drill holes. Some states have smaller interval requirements so check state regulations before application. Treat the soil adjacent to foundation elements with short or long rodding methods without drilling if it is possible to reach the soil to be treated with the rodding 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 SC 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.

### **Treatment of Structures with Wells or Cisterns**

**DO NOT** contaminate wells or cisterns.

**DO NOT** apply **Navigator SC Termiticide/Insecticide** within 5 feet of any well or cistern.

Soil between 5 and 10 feet from a well or cistern must only be treated by the backfill method described here. Treatment of soil adjacent to water pipes within 3 feet of grade must only be done by the backfill method.

#### **Backfill Method**

- Trench to remove the soil to be treated and place it into a wheelbarrow or onto heavy plastic sheeting or similar material.
- Treat the soil at a rate of 4 gallons of finished dilution of **Navigator SC 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 SC Termiticide/Insecticide** thoroughly into soil while taking care to prevent runoff or spillage.
- After the treated soil has completely absorbed the finished dilution of **Navigator SC 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:

- 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.
- Take precautions prior to treatment to limit the risk of **Navigator SC 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.

- Use the treated backfill method when appropriate (for example on the water side of the structure) to minimize off site movement of **Navigators SC Termiticide/Insecticide**.
- To minimize potential runoff of **Navigators SC 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 **Navigators SC 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.

- 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.
- After the finished dilution of **Navigators SC 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 **Navigators SC 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 **Navigators SC 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 **Navigators SC 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 **Navigators SC Termiticide/Insecticide** then mix with the manufacturer's recommended quantity of foaming agent in suitable foaming equipment. Apply a sufficient volume of **Navigators SC 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 **Navigators SC Termiticide/Insecticide** supplement the treatment with additional liquid finished dilution to assure appropriate treatment volume and concentration in the treated area.

## Foam 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

### Post-Construction Exterior Application Information

Post construction application of **Navigators SC 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 non-invasive to the interior of the structure with the establishment of a continuous treated zone along the exterior of the foundation and only treating interior spaces 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 SC 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 SC 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 SC 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 SC 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 method 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 SC Termiticide/Insecticide is completed and has been absorbed into the soil.** Treat crawl spaces by applying a vertical **Navigator SC 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 SC Termiticide/Insecticide** from running out of the trench. Mix the finished dilution into the soil as it is replaced into the trench.

To prevent standalone (i.e., not associated with foundation elements) termite shelter tube formation between soil and structural members in previously untreated area(s), an overall soil treatment of **Navigator SC Termiticide/Insecticide** may be applied. Remove all cellulose debris before treatment. Apply **Navigator SC Termiticide/Insecticide** finished dilution per 10 square feet to provide uniform treated zones. Apply using a coarse application nozzle with nozzle pressure of 25 PSI or less.

**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 SC 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 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 method 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 a horizontal short rodding method 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 SC Termiticide/Insecticide** below any existing heating ducts, water and sewer lines or electrical conduits. Use a horizontal long rodding method 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 SC Termiticide/Insecticide** into the drill holes at rate of 4 gallons per 10 linear feet per foot of depth. All holes in occupied areas 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 SC 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 SC 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 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 SC 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 SC 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.

## USE WITH OTHER TERMITICIDE PRODUCTS

**Use with Borate-based Termiticide Products:** When a borate-based termiticide product is used as the primary pre-construction termite treatment and is applied according to that termiticide's label directions for use, a **Navigator SC Termiticide/Insecticide** finished dilution may be applied as an exterior perimeter pre-construction termite treatment. If the exterior perimeter pre-construction termite treatment option is selected, **Navigator SC Termiticide/Insecticide** finished dilution must be applied to create a continuous treated zone along the exterior foundation of the structure. A complete and thorough horizontal pre-construction termite treatment with **Navigator SC Termiticide/Insecticide** finished dilution under the concrete slab is optional. **Navigator SC Termiticide/Insecticide** finished dilution may also be applied to critical areas of the interior of the structure (e.g., plumbing and utility entry sites, bath traps, shower pan drain penetrations, expansion joints, foundation cracks, outside foundations walls, areas of known or suspected termite activity).

For applications to the exterior perimeter and critical areas, follow instructions in the **Post-construction Exterior Perimeter/Localized Interior (EP/LI) Structural Termite Treatments** section of this label.

**Use with Non-borate-based Termiticide Products:** **Navigator SC Termiticide/Insecticide** finished dilution may be applied as a spot/partial supplemental termite treatment when another registered non-borate-based termite prevention and/or control product/system is used as the primary treatment. These supplemental **Navigator SC Termiticide/Insecticide** treatments can be made to critical areas of the structure (e.g., plumbing and utility entry sites, bath traps, shower pan drain penetrations, expansion joints, foundation cracks, outside foundation walls, areas of known or suspected termite activity at either pre-construction or post-construction sites) according to **Use Directions for Prevention and/or Control of Termites and Other Wood-infesting Pests** on this label.

**Retreatment Instructions:** Annual retreatment of a structure is prohibited. Retreatment for subterranean termites can

only be performed under the following circumstances:

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

Treat these vulnerable or re-infested 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, WOODEN 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 SC 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 SC 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.

## **PREVENTION AND/OR CONTROL OF WOOD-INFESTING PESTS**

### **Above Ground Termites and Carpenter Ants in Localized Areas**

#### **Carpenter ant use in above ground localized areas not registered in California.**

For prevention and/or control of above ground termites and carpenter ants in localized areas, apply 0.06% **Navigator SC Termiticide/Insecticide** finished dilution (or foam) to:

- Voids and galleries in damaged wood, in spaces between wooded structural members, and between the sill plate and foundation where wood is vulnerable. Applications may also be made to inaccessible areas by drilling and injecting into the structural voids or damaged wood.
- Termite carton nests in structural voids. Application at multiple injection points to varying depths may be necessary. Carton nest material may be removed from structural voids.
- Man-made voids using a coarse fan application (or foam) to control exposed worker winged reproductive forms or termites or carpenter ants.

#### **Termites or Carpenter Ants in Trees or Nonstructural Wood or Wood-to-soil Contacts** **Carpenter ant use in trees or nonstructural wood or wood-to-ground contacts not registered in California.**

### **DO NOT TREAT FRUIT OR NUT BEARING TREES**

For prevention and/or control of existing or future infestations of termites or carpenter ants in decking and fencing materials, landscape timbers and similar nonstructural wood-to-soil contacts, trees, and utility poles, apply 0.06% **Navigator SC Termiticide/Insecticide** dilution (or foam) by the following methods.

- If possible, locate and treat the interior infested cavity by injection.
- Nonstructural wood-to-soil contacts may be treated as a spot application or continuous treated zone. Apply **Navigator SC Termiticide/Insecticide** to the soil as a drench or by rodding around the base of the points of soil contact. Rod holes must be placed 3-inches away from soil contact points and spaced no more than 12-inches apart along the perimeter of soil contact points.
- For small poles or posts (i.e., less than 6 inches in diameter), apply 1 gallon of **Navigator SC Termiticide/Insecticide** finished dilution per foot depth. For larger poles or posts, apply 4 gallons of **Navigator SC Termiticide/Insecticide** finished dilution per 10 linear feet per foot depth.

### **Termite Carton Nests in Trees**

### **DO NOT TREAT FRUIT OR NUT BEARING TREES**

For control of termite carton nests in trees, inject **Navigator SC Termiticide/Insecticide** finished dilution (or foam). Application to multiple injection points to varying depths may be necessary. Carton nest material may be removed from tree(s).

In all states **except California**, an application of the **Navigator SC Termiticide/Insecticide** finished dilution may be applied to soil as a drench or by rodding around the root flare of the tree to prevent reinfestation by termites from the soil. For small trees (i.e., less than or equal to 6 inches in diameter), apply 1 gallon of **Navigator SC Termiticide/Insecticide** finished dilution. For larger trees, apply 4 gallons of **Navigator SC Termiticide/Insecticide** finished dilution per 10 linear feet measured as the circumference at the root flare.

### **Drywood Termites and Wood-infesting Beetles or Borers** **Drywood termite and wood-infesting beetle or borer uses not registered in California.**

**NOTE:** Before treatment, turn off any air circulation system that moves air from area(s) to be treated to an untreated interior space of the structure until application has been completed and sprays have dried.

Treat galleries in structural and/or nonstructural elements and structural voids with **Navigator SC Termiticide/Insecticide** finished dilution using a foam, low-pressure spray (25 PSI or less at the nozzle), or mist.

- Locate galleries using visual signs (e.g., blistered wood, emergence or clean out holes, grass, or pellets), the presence of live insects, mechanical sounding techniques, or listening devices (e.g., acoustic emission detectors, stethoscopes).
- Drill holes to penetrate the gallery system for treatment; distribute drill holes to adequately cover the gallery system.
- **DO NOT** apply where electrical shock hazards exist.
- Drill holes must be sealed after treatment.

### **Carpenter Bees in Localized Areas** **Carpenter bee use in localized areas not registered in California.**

Listed structures are residential, institutional, commercial and industrial buildings and utility enclosure

## **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 spray tanks with borate contaminants.
- Doors and windows adjacent to application site must be closed during surface application.
- **DO NOT** apply to wasp or hornet nests if they are not attached to the structure exterior or inside wall voids.
- **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.
  - 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.

**ADDITIONAL CALIFORNIA USE RESTRICTIONS:** In addition to use restrictions stated above, applications made in California are subject to the following additional restrictions.

- **DO NOT** apply **Navigator SC Termiticide/Insecticide** to the garage door, driveway, vertical surfaces above the driveway and garage door, or to cracks and crevices leading or adjacent to the driveway such as the expansion joint between the garage and driveway.
- **DO NOT** apply bandwidth at greater than 6 inches out and 6 inches up from where the ground meets the foundation.
- **ONLY** use 0.03% dilution mixing rate.
- **DO NOT** re-apply at intervals less than 60 days.
- **DO NOT** apply more than 4 times per year
- **DO NOT** make applications on any date between November 1 and February 28.

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

**Use Navigator SC Termiticide/Insecticide to kill the following pests**

Asian lady beetles  
Darkling beetles  
Australian, Oriental and smoky brown cockroaches  
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 SC Termiticide/Insecticide** is not a knockdown agent

**Mixing Instructions\*:** For perimeter pest treatments fill the treatment tank 1/4 to 1/3 with water then add 0.8 fluid ounces (or 0.4 fluid ounces) of Navigator SC Termiticide/Insecticide to achieve 0.06% (or 0.03%) finished dilution rate. The filling hose must be equipped with an anti-backflow device or the water flow must include an air gap to protect against back siphoning. Add more water to the tank while agitating to make 1 gallon of finished dilution.

Permitted Navigator SC Frequency and Dilution Rate Application Scenarios <sup>†</sup>		
%Navigator SC Termiticide/Insecticide finished dilution		
0.03% 4 times/calendar year	0.06% 2 times/calendar year	0.03% 2 times/calendar year and 0.06% 1 time/calendar year

<sup>†</sup>In California, **ONLY** the 0.03% dilution may be applied at 1 quart per 160 ft.

**\*CALIFORNIA MIXING INSTRUCTIONS:** For perimeter pest treatments, mix a 0.03% spray dilution of **Navigator SC Termiticide/Insecticide** by filling the treatment tank 1/4 to 1/3 full with water, then add 0.4 fluid ounces of **Navigator**

**SC Termiticide/Insecticide.** The filling hose must be equipped with an anti-back-flow device or the water flow must include an air gap to protect against back siphoning. Add more water to the tank while agitating to 1 gallon of finished dilution.

**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 SC 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, vent 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 areas where 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 SC 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.

**In California:** Use only the 0.03% finished dilution no more than 4 times per year. **DO NOT** apply to the garage door, driveway, vertical surfaces above the driveway and garage door, or to cracks and crevices leading or adjacent to the driveway, such as, the expansion joint between the garage and driveway. **DO NOT** apply a bandwidth greater than 6 inches up and out from where the ground meets the foundation.

**Applications to Perimeter of Listed Structures\*:** Apply a finished spray dilution of **Navigator SC 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 SC Termiticide/Insecticide** per 160 linear feet (approximately 1.5 gallons of finished spray per 1000 sq. feet). 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.

**\*CALIFORNIA APPLICATIONS TO PERIMETER OF LISTED STRUCTURES:**

Apply 0.03% **Navigator SC Termiticide/Insecticide** finished dilution as a low pressure (25 PSI or less at the nozzle) coarse general surface spray along the foundation exterior perimeter to an area 6 inches up and 6 inches out from where the ground meets the foundation. **DO NOT** apply **Navigator SC Termiticide/Insecticide** to the garage door, driveway, vertical surfaces above the driveway and garage door, or to cracks and crevices leading or adjacent to the driveway, such as, the expansion joint between the garage and driveway.

In California, apply 1 quart of **Navigator SC Termiticide/Insecticide** finished dilution per 160 linear feet (approximately 1.5 gallons finished spray per 1000 square feet). 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 structures.



## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Unused product should be stored in its original container only, out of the 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.

**SPILLS:** For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Soak up spilled material with sand, earth or other suitable material and dispose of as pesticide waste. 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.**

### CONTAINER HANDLING

**Nonrefillable Container. DO NOT reuse or refill this container.** Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, 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.

- **Triple rinse containers small enough to shake (capacity  $\leq$  5 gallons) 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.
- **Pressure rinse as follows:** Empty the remaining contents into application equipment or mix tank. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.



## 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 Generics, 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 Limited.**

**Teejet** is a registered trademark of Spraying Systems Co.

**Raindrop** is a registered trademark of Delavan Corporation

EPA Accepted: August 26, 2014

Amended (First Aid): 02/24/2017

Notification (Add Shake DFU Stmt): 03/18/2017

Amended (Add CA DFU): June 08, 2017

Notification (Rate Error): June 28, 2017

Revised: September 01, 2017 (Reg. No. Transfer)

**Amended:(Label Corrections) February 25, 2020**

Gharda Chemicals International Inc.

760 Newtown-Yardley Rd.

Suite 110

Newtown, PA 18940

1-215-968-9474

## List of Marketing Statements:

- *“Effective Against: ants (acrobat, Argentine, big headed, carpenter, crazy, odorous house, pavement, pharaoh, thief), beetles (Asian lady and darkling), bugs (box-elder and pill), centipedes, cluster flies, European earwigs, house crickets, millipedes, silverfish, spiders (black widow, brown recluse, cellar, hobo), termites”*
- *Controls Listed Pests: ants (acrobat, Argentine, big headed, carpenter, crazy, odorous house, pavement, pharaoh, thief), beetles (Asian lady and darkling), bugs (box-elder and pill), centipedes, cluster flies, European earwigs, house crickets, millipedes, silverfish), spiders (black widow, brown recluse, cellar, hobo), termites”*
- *“Non-repellent insecticide”*
- *“Registered for selective applications in New York and California”*
- *“Termite Control Without the Premium Price”*
- *“Kills Termites”*
- *“A generic post-patent Fipronil product”*
- *“Industry-Leading Termite Control Solutions from [State Distributor Name]”*