

Taurus SC

Termiticide / Insecticide



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

- 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.
- 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 of 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 **Restrictions, First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific use sites and/or restrictions.

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.

Active Ingredient

*Fipronil 9.1%

Other Ingredients 90.9%
100.0%

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

Taurus SC termiticide/insecticide contains 0.8 pounds active ingredient per gallon.

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 the label, find someone to explain it to you in detail.)

(See attached label for additional precautionary information and complete Directions for Use).

EPA Reg. No. 53883-279

EPA Est. No. 081187-FL-001

Control Solutions, Inc. 5903 Genoa-Red Bluff Pasadena, TX 77507-1041

NET CONTENTS: 0.4 FL. OZ.

FIRST AID

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

If swallowed:	<ul style="list-style-type: none">• Call a Poison Control Center or doctor immediately.• DO NOT induce vomiting unless told to by a poison control center or doctor.• DO NOT give any liquid to the person.• DO NOT give anything to an unconscious person.
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 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.

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information.

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.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber* ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils

*Includes natural rubber blends and laminates

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

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.

DIRECTIONS FOR USE

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

Read entire label before using this product.

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

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 water, food, or feed. Cover or remove all exposed food, feed and drinking water.
- Do not contaminate public or private water supplies.
- Do not apply to wasp or hornet nests if they are not attached to or within the structure.
- Do not make treatments during times of precipitation.
- Do not allow residents, 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 clean-up is completed.
- Do not spray air conditioning units or intake vents.
- Do not use indoors except for application into structural voids.

- Do not apply to playground equipment and pet quarters.
- Do not apply to applications to runoff or drip from treated surfaces.
- Do not apply to boat houses, including their piers or pilings.
- Do not use in a spray tank with borate contaminants.
- 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 groundcover 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.

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

- Do not apply Taurus SC 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 apply when rain is predicted within 48 hours post-application or during active precipitation.
- 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 Taurus SC to kill and to provide residual control of the following pests:
Ants (acrobat, Argentine, big-headed, carpenter, crazy, odorous, pavement, pharaoh, and thief)

Use Taurus SC 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, pill bugs

Brown and dog ticks

Centipedes

Cluster flies

European earwigs

House crickets

Millipedes

Paper wasps*

Silverfish

Yellow jackets

* Taurus SC is not a knockdown agent.

MIXING INSTRUCTIONS*: For perimeter pest treatments, mix a 0.06% (or 0.03%) spray dilution of Taurus SC by filling the treatment tank 1/4 to 1/3 full with water, then add 0.8 fluid ounces (or 0.4 fluid ounces) of Taurus SC. 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 1 gallon of finished dilution.

Permitted Taurus SC Frequency and Dilution Rate Application Scenarios†		
% Taurus SC 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
†In California, only the 0.03% 4 times/calendar year at 1 quart/160 ft application scenario is approved.		

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

APPLICATIONS TO EXTERIOR SURFACES OF LISTED STRUCTURES AND INTO WALL VOIDS:

Apply Taurus SC finished dilution as a low-pressure spray to the exterior of the structure where listed pests enter, trail around the structure or where they crawl and hide or their nests are found. Treat using a low-pressure coarse banded surface spray up to 18 inches in width around doors, windows, vents, pipes, foundation cracks, drilled holes or around any exterior openings where listed pests could enter the structure. Make sure to treat the joint where exterior siding (wood, vinyl, aluminum or other similar materials) meets the cement, brick or block 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.

In California: Use only 0.03% finished dilution no more than 4 times per year. Do not apply to garage doors, driveway, vertical surfaces above the driveway and garage door, or to crack 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 Taurus SC finished dilution as a low pressure coarse general surface 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 Taurus SC finished dilution per 160 linear feet (approximately 1.5 gallons finished spray per 1000 square 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 structures.

***CALIFORNIA APPLICATIONS TO PERIMETER OF LISTED STRUCTURES:** Apply 0.03% Taurus SC finished dilution as a low pressure 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 Taurus SC 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 Taurus SC 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

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

Pesticide Disposal

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

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 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.

In case of minor spills or leaks, soak up with sand, earth or other suitable material and dispose of as pesticide waste.

Spills

In case of large-scale spill of this product, call:

-CHEMTREC 1-800-424-9300

Steps to take if this material is released into the environment or spilled:

- Wear Personal Protective Equipment (PPE) and avoid exposure when managing a spill. (See **Precautionary Statements** section of this label for required PPE.)
- Dike and contain the spill with Inert material (e.g., sand, earth) and transfer liquid and solid diking material to separate containers for disposal. Small-scale spills of Taurus SC finished dilution (that can be cleaned up with a typical spill kit) may be applied to labeled sites.
- Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before reuse.
- Keep spill out of all sewers and open bodies of water.

WARRANTY STATEMENT

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended 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 Control Solutions, Inc. To the extent consistent with applicable law, Control Solutions, Inc. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except, as expressly provided herein and to the extent consistent with applicable law, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc. election, the replacement of this product.

Taurus SC

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Other Ingredients 90.9%
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*(5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-((1*R,S*)-(trifluoromethyl)sulfinyl)-1*H*-pyrazole-3-carbonitrile)

Taurus SC termiticide/insecticide contains 0.8 pounds active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

Caution/Precaución

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(See attached label for additional precautionary information and complete Directions for Use).

EPA Reg. No. 53883-279

EPA Est. No. 081187-FL-001

Control Solutions, Inc. 5903 Genoa-Red Bluff Pasadena, TX 77507-1041

NET CONTENTS: 0.4 FL. OZ.



Control Solutions Inc.

A member of the ADAMA Group

Taurus® SC

Termiticide/Insecticide

78 oz. makes 100 gallons, 20 oz. makes 25 gallons

Contains Fipronil, the same active used in Termidor® SC

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EPA Reg. No. 53883-279

EPA Est. No. 53883-TX-002

Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Net Contents: ____

FIRST AID	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
If swallowed:	<ul style="list-style-type: none"> • Call a Poison Control Center or doctor immediately. • DO NOT induce vomiting unless told to by a poison control center or doctor. • DO NOT give any liquid to the person. • DO NOT give anything to an unconscious person.
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 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.
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.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® (866) 897-8050 for emergency medical treatment information	

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.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
 - Shoes plus socks
 - Waterproof gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber* ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils
- *Includes natural rubber blends 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 filter 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 faceshield, 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

Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove contaminated clothing. Then wash body thoroughly with soap and water and put on clean clothing. Wash clothing with detergent and hot water before reusing.

Remove PPE immediately after handling this product. Wash outside of gloves before removing. Wash PPE before reusing.

ENVIRONMENTAL HAZARDS

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.

DIRECTIONS FOR USE

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Read entire label before using this product.

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Use Direction for Prevention and/or Control of Termites and Other Wood-infesting Pests**USE RESTRICTIONS:**

When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediate adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean-up is completed.

- 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 this termiticide / insecticide product 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 this product 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 treat within a distance of one foot out from the drip line of edible plants.
- Do not treat fruit-bearing or nut-bearing trees.
- 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 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 techniques. This product is a highly effective termiticide against a variety of subterranean, arboreal, drywood, and dampwood (e.g. *Reticulitermes*, *Zootermopsis*, *Heterotermes*, and *Coptotermes*), and other wood-infesting pests (e.g., carpenter ants, beetles, borers)

Taurus SC 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% Taurus SC finished dilution, if permitted in the applicable use directions throughout this label. Where permitted within the use directions, Taurus SC can be applied as a foam application as directed in the Foam Applications for Prevention and/or Control of Termite, Woodinfesting Pests, and General Pest Control section of this label.

Mixing Instructions

To mix Taurus SC termiticide / insecticide:

1. Fill the tank 1/4 to 1/3 full with water. The filling hose must be equipped with an anti-backflow device or 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 hose.
3. Add the appropriate amount of Taurus SC required to prepare the desired dilution.
4. Add the remaining water.
5. Continue to run the pump allowing recirculation through the hose back into the tank until the Taurus SC is completely dispersed.

NOTE: For tanks pre-filled with water, follow steps 2, 3, and 5 above.

NOTE: Recirculation/agitation may not be required for inline injection or other application systems.

- To mix a 0.06% dilution, add 0.8 fluid ounces of Taurus SC per gallon of finished dilution
- To mix a 0.09% dilution, add 1.2 fluid ounces of Taurus SC per gallon of finished dilution.
- To mix a 0.125% dilution, add 1.6 fluid ounces of Taurus SC per gallon of finished 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 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 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. If application requires drilling, drill holes less than 12" 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 of 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 Taurus SC 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 Taurus SC 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.

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 Taurus SC 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, 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 trenching in sloping or tiered soil, the trench must be stepped to ensure adequate distribution and to prevent Taurus SC from running out of the trench. 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 Taurus SC 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 to 1.5 gallons of finished dilution per 10 square feet using a coarse spray nozzle and low-pressure spray (less than 25 p.s.i.). Spray the dilution evenly and uniformly over the entire area to be treated. If the 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 Taurus SC at a rate of 1 gallon of finished dilution per square foot around anything penetrating the slab such as utility service and plumbing lines. Apply Taurus SC at a rate of 4 gallons of finished dilution per 10 linear feet per foot of depth along the inside and outside perimeter of foundation walls. The applicator must trench and rod into the trench or trench along the foundation walls and around pillars and other foundation elements. 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 any wider than 6 inches. Treat the soil which will be replaced into the trench using a low-pressure spray (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.

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.

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 p.s.i. or lower. When using this treatment, drill the access holes as close to the footing as is 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 during the application of Taurus SC 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 clean-up is completed.

POST-CONSTRUCTION CONVENTIONAL STRUCTURAL TERMITE TREATMENT

Application Information

For applications of Taurus SC 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 along the foundation walls, around pillars and other foundation elements, at the rate prescribed 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 Taurus SC 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 or damage to these structural elements.

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. 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, 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, 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 Taurus SC 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.

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 proximal to the inside of the foundation wall. Angle drill-holes through the outside of the foundation to ensure deposition of Taurus SC 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 Taurus SC into the drill-holes a 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 and impervious, non-cellulose material.

Bath traps: Treat exposed soil or soil covered with tar or similar sealants beneath or around plumbing and/or drain pipe entry areas with a minimum of 1 gallon but not more than 4 gallons of finished dilution per square foot. 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 Taurus SC.

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 Taurus SC by sub-slab injection. 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 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, common in hollow block foundation structures, 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 Taurus SC within 5 feet from the sump pump pit and pump. Do not drill through hollow block foundations that border French drains to prevent drainage or seepage from the block into the drains. Identify and locate French drains, then apply Taurus SC in the following manner:

- 1) Unplug the sump pump. Inspect the sump pit for water. If no water is present, keep the sump pump unplugged while making the treatment.
- 2) 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, a 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 along the foundation walls at the rate of 4 gallons of finished dilution of Taurus SC 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 Taurus SC 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 before replacing it 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 in a manner which will create a continuous treated zone. Inject the finished dilution of Taurus SC 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 Taurus SC is completed and has been absorbed into the soil. Treat crawl spaces by applying a vertical Taurus SC termiticide 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, or by trenching and rodding into the trench. Treat both sides of foundation 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 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 Taurus SC 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 Taurus SC 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:

- 1) Establish a horizontal treated zone by applying 1 gallon of finished dilution of Taurus SC 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 p.s.i. 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 pressures.
- 2) Establish a horizontal treated zone by drilling through the foundation wall or through the floor above and treat the soil adjacent to the foundation at a rate of 1 gallon of finished dilution of Taurus SC 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 p.s.i. or less. When making this treatment, drill access holes as close as possible to the footing, below the level of the sill plate if necessary. 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 Taurus SC 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 clean-up is completed.

Treatment of Structures with Wells or Cisterns:

Do not contaminate wells or cisterns.

Do not apply Taurus SC within 5 feet of any well or cistern. Treat soil 5 to 10 feet from any well or cistern by backfill method only. Treat soil adjacent to water pipes within 3 feet of grade by backfill method only.

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 Taurus SC per 10 linear feet per foot of trench depth, or at a rate of 1 gallon per cubic foot of soil. Mix the Taurus SC thoroughly into soil while taking care to prevent runoff or spillage.
- 3) After the treated soil has completely absorbed the finished dilution of Taurus SC, put it back 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) If the pipe(s) from the well enter the structure with 3 feet of grade, expose them if possible prior to treatment. Treat the soil adjacent to the water pipe(s) using the backfill method described above.
- 2) Take precautions, prior to treatment, to limit the risk of Taurus SC being applied into 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 soil compaction when determining the depth of treatment.
- 3) Use the treated backfill method, when appropriate (e.g., on the water side of the structure), to minimize off-site movement of Taurus SC.
- 4) To minimize potential runoff of Taurus SC 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 Taurus SC 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 under floor 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 an 18 inch 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 Taurus SC 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 treat 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 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 Taurus SC are desired. Effective treatment is highly dependent on volume and amount of active ingredient. Apply at least 75% of the finished dilution of Taurus SC 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 Taurus SC 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 Taurus SC, then mix with the manufacturer’s recommended quantity of foaming agent in foaming equipment. Apply a sufficient volume of Taurus SC 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 Taurus SC supplement the treatment with additional liquid finished dilution to assure appropriate treatment volume and concentration in the treated area.

- 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.

<p align="center">POST-CONSTRUCTION EXTERIOR PERIMETER / LOCALIZED INTERIOR (EP / LI) STRUCTURAL TERMITE TREATMENT – <i>(Not approved for use in Louisiana)</i></p>
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General Information

This post-construction application of Taurus SC 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.

Do not apply Taurus SC 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, exterior perimeter applications of Taurus SC 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 direction in the "Application Rates 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 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 before replacing 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 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.

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 Taurus SC 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 Taurus SC 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 it 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 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 Taurus SC is completed and has been absorbed into the soil.

Treat crawl spaces by applying a vertical Taurus SC termiticide 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, or by trenching and rodding into the trench. Treat outside of foundation 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. 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 direction 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 Taurus SC from running out of the trench. Mix the finished dilution into the soil before replacing it 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 Taurus SC may be applied. Remove all cellulose debris before treatment. Apply Taurus SC finished dilution per 10 square feet to provide uniform treated zones. Apply using a course 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, 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 garage foundation. Drill holes along all concrete expansion joints, 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 Taurus SC 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 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 along the inside perimeter of the foundation. Angle drill-holes through the outside of the foundation to ensure deposition of Taurus SC 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 Taurus SC 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 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 or in the vicinity (within 2 feet) of hollow block foundations 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 Taurus SC into the void at a rate of 2 gallons per 10 linear feet of footing using a nozzle of 25 p.s.i. or less. This localized interior treatment to hollow block must be made at 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 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. Other areas may not be treatable.

All leaks resulting during the application of Taurus SC 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 clean-up 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 drainpipe 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 Taurus SC 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 Taurus SC 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 a shower drain.

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 Taurus SC finished dilution may be applied as an exterior perimeter pre-construction termite treatment. If the exterior perimeter pre-construction termite treatment option is selected, Taurus SC 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 Taurus SC finished dilution under the concrete slab is optional. Taurus SC 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 foundation 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: Taurus SC 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 Taurus SC 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 Taurus SC 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 Taurus SC 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% Taurus SC 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-bearing 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% Taurus SC 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 Taurus SC 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 Taurus SC finished dilution per foot depth. For larger poles or posts, apply 4 gallons of Taurus SC finished dilution per 10 linear feet per foot depth.

Termite Carton Nests in Trees

Do not treat fruit-bearing or nut-bearing trees.

For control of termite carton nests in trees, inject Taurus SC 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 Taurus SC 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 Taurus SC finished dilution. For larger trees, apply 4 gallons of Taurus SC 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 Taurus SC 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, frass, 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.

For control of carpenter bees in localized areas, apply 0.06% Taurus SC finished dilution (as a spray, mist or foam) directly into gallery entrance holes. After application, gallery entrance holes should be plugged.

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 water, food, or feed. Cover or remove all exposed food, feed and drinking water.
- Do not contaminate public or private water supplies.
- Do not apply to wasp or hornet nests if they are not attached to or within the structure.
- Do not make treatments during times of precipitation.
- Do not allow residents, 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 clean-up is completed.
- Do not spray air conditioning units or intake vents.
- Do not use indoors except for application into structural voids.
- Do not apply to playground equipment and pet quarters.
- Do not apply to applications to runoff or drip from treated surfaces.
- Do not apply to boat houses, including their piers or pilings.
- Do not use in a spray tank with borate contaminates.
- 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 groundcover 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.

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

- Do not apply Taurus SC 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 apply when rain is predicted within 48 hours post-application or during active precipitation.
- 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 Taurus SC to kill and to provide residual control of the following pests:

Ants (acrobat, Argentine, big-headed, carpenter, crazy, odorous, pavement, pharaoh, and thief)

Use Taurus SC 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, pill bugs

Brown and dog ticks

Centipedes

Cluster flies

European earwigs

House crickets

Millipedes

Paper wasps*

Silverfish

Yellow jackets

* Taurus SC is not a knockdown agent.

MIXING INSTRUCTIONS*: For perimeter pest treatments, mix a 0.06% (or 0.03%) spray dilution of Taurus SC by filling the treatment tank 1/4 to 1/3 full with water, then add 0.8 fluid ounces (or 0.4 fluid ounces) of Taurus SC. 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 1 gallon of finished dilution.

Permitted Taurus SC Frequency and Dilution Rate Application Scenarios [†]		
% Taurus SC 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
[†] In California, only the 0.03% 4 times/calendar year at 1 quart/160 ft application scenario is approved.		

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

APPLICATIONS TO EXTERIOR SURFACES OF LISTED STRUCTURES AND INTO WALL VOIDS:

Apply Taurus SC finished dilution (or foam) as a low-pressure spray to the exterior of the structure where listed pests enter, trail around the structure or where they crawl and hide or their nests are found. Treat using a low-pressure coarse banded surface spray up to 18 inches in width around doors, windows, vents, pipes, foundation cracks, drilled holes or around any exterior openings where listed pests could enter the structure. Make sure to treat the joint where exterior siding (wood, vinyl, aluminum or other similar materials) meets the cement, brick or block 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. Taurus SC 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 0.03% finished dilution no more than 4 times per year. Do not apply to garage doors, driveway, vertical surfaces above the driveway and garage door, or to crack 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 Taurus SC finished dilution as a low pressure coarse general surface 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 Taurus SC finished dilution per 160 linear feet (approximately 1.5 gallons finished spray per 1000 square 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 structures.

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

Apply 0.03% Taurus SC finished dilution as a low pressure 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 Taurus SC 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 Taurus SC 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

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

Pesticide Disposal

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

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 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.

In case of minor spills or leaks, soak up with sand, earth or other suitable material and dispose of as pesticide waste.

Spills

In case of large-scale spill of this product, call:

-CHEMTREC 1-800-424-9300

Steps to take if this material is released into the environment or spilled:

- Wear Personal protective Equipment (PPE) and avoid exposure when managing a spill. (See **Precautionary Statements** section of this label for required PPE.)
- Dike and contain the spill with Inert material (e.g., sand, earth) and transfer liquid and solid diking material to separate containers for disposal. Small-scale spills of Taurus SC finished dilution (that can be cleaned up with a typical spill kit) may be applied to labeled sites.
- Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before reuse.
- Keep spill out of all sewers and open bodies of water.

WARRANTY STATEMENT

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended 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 Control Solutions, Inc. To the extent consistent with applicable law, Control Solutions, Inc. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except, as expressly provided herein and to the extent consistent with applicable law, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc. election, the replacement of this product.

EPA Reg. No. 53883-279

EPA Est. No. 53883-TX-002

Control Solutions, Inc.,
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

***Taurus® SC is not manufactured by or distributed by BASF. Termidor® SC is a registered trademark of BASF.*



SAFETY DATA SHEET

Taurus SC

SECTION 1: IDENTIFICATION

Product Name: Taurus SC
EPA Registration No.: 53883-279
Recommended Use: Termiticide/Insecticide; See product label for a complete list of uses and use sites.
Restrictions on Use: See product label for any restrictions on the use of this product.
Chemical Family: Phenylpyrazole
Chemical Name of Active Ingredient(s): Fipronil: 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfinyl)pyrazole-3-carbonitrile
Manufactured for: Control Solutions, Inc.
 5903 Genoa-Red Bluff
 Pasadena, TX 77507

FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: CHEMTREC 1-800-424-9300

FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: Safety Call 1-866-897-8050

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW: White milky liquid with a mild sweet odor. Harmful if swallowed.

OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

Acute Oral Toxicity	Category 4
Specific Target Organ Toxicity – Repeated Exposure	Category 2

Signal Word: WARNING



Hazard Statement(s): Harmful if swallowed.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s):

- Prevention:** Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Do not breathe mist/vapors/spray.
- Response:** **IF SWALLOWED:** Call a poison center/doctor if you feel unwell. Rinse mouth.
Get medical attention if you feel unwell.
- Storage:** No statement required. See section 7 for storage information.
- Disposal:** Dispose of contents/container in accordance with Federal, state and local laws and regulations.

The following percentage of the mixture consists of components with unknown hazards regarding the acute toxicity:

23 – 24.0% Acute inhalation toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Fipronil	120068-37-3	9.1%
Propylene glycol	57-55-6	8.0 – 12.0%

*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

SECTION 4: FIRST AID MEASURES

IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15 to 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.
IF ON SKIN:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF INGESTED:	Call a poison control center or doctor immediately for treatment advice. Have 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.

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.

Most important symptoms/effects, acute and delayed: None known

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, dry chemical, carbon dioxide or water spray
Unsuitable Extinguishing Media:	Water jet
Hazardous Combustion Products:	Thermal decomposition may produce toxic oxides of carbon and nitrogen. Hydrogen chloride and hydrogen cyanide may also be released.
Special Protective Equipment & Precautions:	Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).
Unusual Fire & Explosion Hazards:	None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section 8 for personal protection equipment.

Environmental Precautions: Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods for Containment: Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Absorb small spills with sand, vermiculite or other inert absorbent. Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal.

Methods for Clean-up: Place contaminated material in appropriate container for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not put spilled material back in the original container.

Other Information: None known

SECTION 7: HANDLING AND STORAGE

Handling: RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.

Storage: **See pesticide label for full information on product storage.** Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals.

Storage Temperature (Min/Max): Not determined

Product Incompatibilities: Strong oxidizers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Users of a pesticide product must refer to the product label for personal protective equipment requirements.

Exposure Guidelines:

COMPONENT	OSHA PEL	ACGIH TLV	NIOSH REL
No components listed			

Engineering Controls: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

Respiratory Protection: In areas of poor ventilation, use a NIOSH approved respirator with cartridges/canisters approved for pesticides.

Eye Protection: Chemical goggles or safety glasses and full-face shield.

Protective Gloves:	Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.
Other Protective Clothing:	Long-sleeved shirt, long pants and chemical resistant footwear plus socks.
General Safety Measures:	Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White milky liquid	Upper/Lower Flammability Limits:	Not determined
Odor:	Mild, sweet	Vapor Pressure:	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH (1% dispersion):	5.5 – 6.5	Relative Density (@24°C):	1.058 (typical)
Melting /Freezing Point:	Not determined	Solubility:	Not determined
Boiling Point/Range:	Not determined	Partition Coefficient:	Not determined
Flash Point:	Not applicable	Auto-ignition Temperature:	Not determined
Evaporation Rate:	Not determined	Decomposition Temperature:	Not determined
Flammability:	Not applicable	Viscosity:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No hazardous chemical reactions known.
Chemical Stability:	Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions:	No potential for hazardous reactions known.
Conditions to Avoid:	Extreme temperatures
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Thermal decomposition may produce toxic oxides of carbon and nitrogen. Hydrogen chloride and hydrogen cyanide may also be released.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eye contact, Skin contact, Inhalation, Ingestion
Symptoms of Exposure:	None known
Oral LD₅₀:	1,999 mg/kg (rat)(Based upon similar product)
Dermal LD₅₀:	>2,000 mg/kg (rat)(Based upon similar product)
Inhalation LC₅₀ (4-hour):	>1.7 mg/L (rat)(Based upon similar product-Highest concentration available for testing and no mortality was observed.) 33.0 mg/L (Estimated based upon component data)
Eye Irritation/Damage:	Slightly irritating (Based upon similar product)
Skin Corrosion/Irritation:	Slightly irritating (Based upon similar product)
Skin Sensitization:	Non-sensitizer (Based upon similar product)

Chronic/Subchronic Toxicity:	<u>Fipronil Technical</u> : Causes mortality and signs of neurotoxicity through prolonged or repeated exposure.
Mutagenicity:	No data available
Reproductive Toxicity:	No data available
Neurotoxicity:	No data available
Target Organs:	No data available
Aspiration Hazard:	Not anticipated to be an aspiration hazard.
Carcinogenicity:	<u>Fipronil Technical</u> : The EPA has classified fipronil as a Group C – Possible Human Carcinogen based upon laboratory animal studies (increased thyroid tumors in male and female rats). Humans and rats have the same mechanism of action which produced fipronil-induced thyroid tumors in the rat; however, the rat appears to be more highly sensitive than humans. Therefore, the fipronil-induced rat thyroid tumors are not considered suggestive of a human health risk.

Chemical Name	ACGIH	IARC	NTP	OSHA
No components listed				

SECTION 12: ECOLOGICAL INFORMATION

Environmental Hazards Statement from FIFRA Regulated Pesticide Label:

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.

ECOTOXICITY DATA:

Data presented below is on the fipronil technical product.

Fish Toxicity:

Zebra fish: 96-hour LC₅₀ = 0.071 mg/L

Aquatic Invertebrate Toxicity:

Daphnia magna: 96-hour EC₅₀ <0.1 mg/L

Aquatic Plant Toxicity:

P. subcapitata: EC₅₀ = 3.0 mg/L

Avian Toxicity:

Japanese quail: LD₅₀ = 148.5 mg/kg

Honeybee Toxicity:

Oral LD₅₀ = 0.003 µg/bee

ENVIRONMENTAL EFFECTS:

Persistence and Degradability: No data available

Bioaccumulation: No data available

Mobility: No data available

Other Adverse Effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

- Waste Disposal:** Refer to the pesticide label for full information on disposal. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.
- Container Disposal:** Refer to the pesticide label for full information on disposal. When possible, triple rinse the container and offer for recycling if available.
- RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

SECTION 14: TRANSPORTATION INFORMATION

- DOT (Ground):** Not regulated
- IMDG (Sea):** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fipronil), 9, PGIII
- IATA (Air):** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fipronil), 9, PGIII

SECTION 15: REGULATORY INFORMATION

Labeling Requirements Under FIFRA: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

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.

TSCA Inventory: This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

SARA Title III Information:

- Section 302 – Extremely hazardous substances:** None
- Section 311/312 – Hazard Categories:** Acute (Immediate); Chronic (Delayed)
- Section 313 –** This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %
None listed		

CERCLA – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Chemical Name	CAS Number	RQ	Quantity of Finished Product
None listed			

CALIFORNIA PROPOSITION 65:

Chemical Name	CAS Number	Prop 65 Category(ies)
None listed		

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene glycol	X		X

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 1	Instability 0	Special Hazards – None
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Disclaimer: Control Solutions, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Control Solutions, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

Revision Date: January 13, 2017
Document Superseded: February 19, 2016
Revision Note: Section 2 and Section 11 (acute inhalation toxicity information)