

# Tengard® SFR—One Shot



## Termiticide/Insecticide

For use by commercial applicators as an insecticide on ornamentals grown in greenhouse and in botanicals, for perimeter insect control on lawns, ornamental trees and shrubs around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields, and for use on buildings/structures. For control of subterranean termites. For use by individuals/firms licensed or registered by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your state prior to use of this product.

### ACTIVE INGREDIENT

Permethrin..... 98.2%

OTHER INGREDIENTS\*..... 83.2%

TOTAL..... 100.0%

\*Active ratio: Max. 42% (a) ca and min. 58% (a) trans

\*\* Contains petroleum distillates.

Contains 3.2 pounds permethrin per gallon as an emulsifiable concentrate.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

### HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Contains petroleum distillates - vomiting may cause aspiration pneumonia.

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal instructions inside the container. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call  
CHEMTREC 1-800-424-9300**

EPA Reg. No. 70508-B

## PRECAUTIONARY STATEMENTS

### Hazards to Humans & Domestic Animals

**CAUTION:** Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not allow people or pets on treated surfaces until the spray has dried. Do not touch treated surfaces until the spray has dried.

### Environmental Hazards

This product is highly toxic to bees exposed to treatment and/or 3 days following treatment. Do not apply this pesticide to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period. The 3 day limitation does not apply if the applicator operates in a state with a formal, state-approved bee protection program, and the applicator follows all applicable requirements of the state-approved program designed to protect the honey bee as not present in the treatment area during this time period.

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas above the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

### Physical/Chemical Hazards

Do not use or store near heat or open flame.

### Personal Protection Equipment (PPE)

All pesticide handlers (mixers, loaders, and applicators) must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. After the product is diluted in accordance with label directions for use, and/or when mixing and/or diluting using a closed app tank transfer system such as U-Turn, or an in-line injector system shirt, pants, socks, shoes and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device approved by the Mine Safety and Health Administration (MSHA)/National Institute for Occupational Safety and Health (NIOSH) such as TC-25C, TC-21C, TC-19C, TC-13F and TC-14G when working in a non-ventilated space; all pesticide handlers must wear protective eyewear when working in a non-ventilated space or when applying termiticide by rodding or sub-slab injection.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and occupational requirements on the statement on this label about personal protective equipment (PPE). The requirements in this box only apply to uses on this product that are covered by Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow workers entry to treated areas during the restricted entry interval (REI) of 12 hours. PPE is required for entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls over long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber.
- Shoes plus socks.

### Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses.

Do not allow people or pets on treated surfaces until the spray has dried.

Do not touch treated surfaces until the spray has dried.

## DIRECTIONS FOR USE

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

States may have more restrictive requirements regarding qualifications of persons using this product. Consult your State Pest Control Regulatory Agency prior to use of this product.

### GENERAL USE INFORMATION

#### Important

Tengard SFR is toxic to fish. Exercise care when making applications near ponds, lakes, streams, reservoirs and other aquatic environments where fish are present.

Tengard SFR may also be used as a broadcast or spot application in crawl spaces and indoors to carpeting, wood, tile, concrete or other structural building materials across and crevice injection, or paint-on treatment. Consult labels for specific use instructions.

Tengard SFR can be applied to interior plantscapes, and landscape ornamental gardens including parks, lawns and grounds.

For advice concerning current control practices with relation to specific local conditions, consult your local State Cooperative Extension or regulatory agencies.

Tengard SFR is formulated as an emulsifiable concentrate (EC) formulation and is to be diluted with water and applied as an emulsion. When tank mixing an emulsion with other products, observe all precautions and limitations on the labels of each product in the mixture.

Tengard SFR can be tank-mixed with synthrin-containing products or Insect Growth Regulators (IGRs). Do not tank mix with dichlorvos (DDVP) or other fumigant products. Do not tank mix when applied as a soil termiticide.

## Applications for the Control of Subterranean Termites

### General Application Instructions

Tengard SFR acts as an insecticide barrier to control and prevent subterranean termites (Coptotermes, Reticulitermes, Heterotermes, Zootermopsis) infestations in and around structures. For effective control the insecticide emulsion must be adequately dispersed in the soil to establish a barrier between the structure and the termites. To establish an effective insecticidal barrier with this product the proper control practices and application techniques should be selected by a trained service technician familiar with current termites control practices.

When treating adjacent to existing structures, the applicator must check the area to be treated, and immediately stop work in areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant seepage 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 the label must be cleaned up and not be left in the application site. Do not allow people or pets to contact contaminated areas or to re-occupy contaminated areas of the structure until the clean up is completed.

When applying Tengard SFR indoors, procedures should include structural design consideration and variable post-application effects from heating, ventilation and air conditioning systems (HVAC).

Outdoor application procedures should include consideration of such variable factors affected by soil type, soil compaction, grade conditions, utilities and, location and type of domestic water supply.

Confirmation of public and private water supplies must be avoided by using anti-backflow equipment or procedures to prevent siphonage of insecticide into water supplies.

Do not contaminate wells or cisterns.

### STRUCTURES WITH WELLS/CISTERNS INSIDE FOUNDATIONS

Structures that contain wells or cisterns within the foundation of a structure can only be treated using the following techniques:

- 1) Do not treat soil which is beneath or within the foundation or along the exterior perimeter of a structure that contains a well or cistern. The treated backfill method must be used if soil is removed and treated outside/away from the foundation. The treated backfill technique is described as follows:
  - (a) Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
  - (b) Treat the soil at the rate of 4 gallons of dilute emulsion per 10 linear feet per foot of depth of the trench, or 1 gallon per 1.0 cubic foot of soil. See Mixing Directions section of the label.
  - (c) After the treated soil has absorbed the diluted emulsion, replace the soil into the trench.
- 2) Treat infested and/or damaged wood in place using an injection technique such as described in the Control of Wood Infesting Insects section of the label.

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

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

- 1) Prior to treatment, if feasible, expose the water pipe(s) coming from the well to the structure, if the pipe(s) enter the structure within 3 feet of grade.
- 2) Prior to treatment applicators are advised to take precautions to limit the risk of applying the termiticide into subsurface drains that could seep into any bodies of water. These precautions include evaluating whether application of the termiticide to the top of the footer may result in contamination of the subsurface drain. Factors such as depth to the drain system and soil type and degree of compaction should be taken into account in determining the depth of treatment.
- 3) When appropriate (i.e., on the water side of the structure), the treated backfill technique (described above) can also be used to minimize off-site movement of termiticide.

**Application Rate:** Use a 0.5% emulsion for subterranean termites. For other pests on the label use specific label rates.

The dilute pesticide emulsion must be adequately dispersed in the soil to establish a barrier between the wood and the termites in the soil. As a good practice: 1) all non-essential wood and cellulose-containing materials should be removed from and foundation walls, crawl spaces and damp areas; 2) eliminate termite access to moisture by repairing faulty plumbing and/or construction grade. Soil around untreated structural wood in contact with soil should be treated as described below.

To establish an effective insecticidal barrier with this product, the service technician must be familiar with current termites control practices such as trenching, rodding, sub-slab injection, coarse fan spraying of soil surfaces, crack and crevice injection, localized soil treatment, and brush or spray applications to infested or susceptible wood. These techniques must be correctly employed to prevent or control infestations to subterranean termites such as Coptotermes, Heterotermes, Reticulitermes, and Zootermopsis. The biology and behavior of the species involved should be considered by the service technician in determining which control practices to use to eliminate or prevent termite infestation.

#### Important:

Confirmation of public and private water supplies must be avoided by following these procedures: Use anti-backflow equipment or procedures to prevent siphonage of insecticide into water supplies. Do not contaminate cisterns or wells.

Do not treat soil that is water saturated or frozen or in any conditions where runoff or movement from the treatment area (site) is likely to occur.

Do not treat while precipitation is occurring.

Do not apply to drainage systems such as sumps, french drains, leach beds or other effluent discharge systems.

Follow all State and local specifications for recommended treatment distances of wells and aquatic habitat. All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

**Note:** Crawlspace areas are considered inside of structure.