



**Temprid<sup>®</sup>**  
**FX**

## INSECTICIDE

In the State of New York this product may only be applied for indoor uses.

### ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine.....21.0%  
β- Cyfluthrin, Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate .....10.5%

**OTHER INGREDIENTS:** ..... 68.5%

**TOTAL:** ..... 100.0%

**STOP - Read the Label Before Use**  
**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

EPA Reg. No. 432-1544      EPA Est. No. 432-TX-1

**Non-refillable Container**

**Net Contents: 900 mL (30.43 fl oz)**

**85331809**

85350153C 160811AV3

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
For **PRODUCT USE** Information Call 1-800-331-2867

### FIRST AID

<b>If on skin:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 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 eyes open and rinse slowly and gently with water for 15 to 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 swallowed:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-334-7577 for emergency medical treatment information.	
<b>Note To Physician:</b> No specific antidote is available. Treat the patient symptomatically.	

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove contaminated clothing and wash before reuse.

## **ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to wildlife, fish, and aquatic invertebrates. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops/plants or weeds. Do not apply this product or allow it to drift to blooming crops/plants or weeds if bees are foraging the treatment area.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.



## PROTECTION OF POLLINATORS

**APPLICATION RESTRICTIONS** EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.

Look for the bee hazard icon



in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

### **This product can kill bees and other insect pollinators.**

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: <http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: [www.aapco.org/officials.html](http://www.aapco.org/officials.html). Pesticide incidents should also be reported to the National Pesticide Information Center at: [www.npic.orst.edu](http://www.npic.orst.edu) or directly to EPA at: [beekill@epa.gov](mailto:beekill@epa.gov)

## PRODUCT FACTS



- Two modes of action
- Contact activity & systemic action
- Low odor
- Non-staining

<b>Temprid® FX Insecticide</b>	<ul style="list-style-type: none"><li>• Temprid FX Insecticide is a suspension concentrate formulation of two insecticide active ingredients, Imidacloprid and <math>\beta</math>-Cyfluthrin. One gallon of this product contains 2 lbs of Imidacloprid and 1 lb of <math>\beta</math>-Cyfluthrin.</li><li>• Shake well before using.</li></ul>
<b>Controls</b>	<ul style="list-style-type: none"><li>• Indoor / General Household Pests.</li><li>• Outdoor / Perimeter Pests.</li><li>• Wood-Infesting Pests.</li></ul> <p><i>For list of specific insects, see inside.</i></p>
<b>Where To Apply</b>	<p>Apply where pests have been seen or found, or can find shelter.</p> <ul style="list-style-type: none"><li>• In and around buildings and structures.</li><li>• On established landscape ornamentals that are not in bloom around residential and commercial properties.</li></ul>
<b>Dilution Rates</b>	<ul style="list-style-type: none"><li>• When 0.27 fl oz (8 milliliters) is diluted in one gal of water, the combined active ingredient concentration (0.075%) contains 0.05% Imidacloprid and 0.025% <math>\beta</math>-Cyfluthrin.</li><li>• When 0.54 fl oz (16 milliliters) is diluted in one gal of water, the combined active ingredient concentration (0.15%) contains 0.10% Imidacloprid and 0.05% <math>\beta</math>-Cyfluthrin.</li></ul>
<b>Mixing Information</b>	<ul style="list-style-type: none"><li>• Mix the appropriate amount of Temprid FX Insecticide with water.</li><li>• Add product when filling spray tank with water; shake or agitate mixture.</li><li>• Diluted spray mixture can be stored overnight. Agitate before using.</li></ul>

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continued

## PRODUCT FACTS

<b>How To Apply</b>	<ul style="list-style-type: none"><li>• General surface (outdoors only), spot treatment, and void injections by mist, foam, or crack and crevice sprays.</li><li>• Foliar application to established landscape ornamentals that are not in bloom.</li></ul>
<b>Re-Apply</b>	<ul style="list-style-type: none"><li>• Every 7 to 10 days, if needed.</li><li>• Do not apply more than 32.0 fluid ounces of Temprid FX Insecticide per acre, per year. (Equal to maximum annual use of 0.5 pounds of Imidacloprid and 0.25 pounds of <math>\beta</math>-cyfluthrin per acre, per year).</li><li>• At the 8 milliliter per gallon use rate, this is a limit of 118 dilute gallons per acre, per year and at the 16 milliliter per gallon use rate this is a limit of 59 dilute gallons per acre, per year for landscape, lawn, and ornamental applications.</li></ul>
<b>Re-Entry</b> 	<ul style="list-style-type: none"><li>• Do not contact treated surfaces until dry.</li><li>• People and pets may re-enter after the treated area is dry.</li></ul>
<b>Questions</b> 	For questions or comments, call toll-free 1-800-331-2867

## DIRECTIONS FOR USE

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



**Do not apply Temprid FX Insecticide while bees are foraging. Do not apply Temprid FX Insecticide to plants that are flowering. Only apply after all flower petals have fallen off.**

## **INDOOR PESTS**

### **FOR RESIDUAL PEST CONTROL IN BUILDINGS, STRUCTURES, AND MODES OF TRANSPORT**

Use Temprid FX Insecticide as a spot spray or crack and crevice treatment inside buildings and structures. This includes schools, factories, stores, warehouses, hospitals, food processing facilities (non food/feed areas), and modes of transport. For a list of common facilities where this product may be used, see Appendix.

Ants	Crickets	Hide beetles	Phorid flies
Bed bugs	Darkling beetles	Hornets	Pill bugs
Blue or Green Bottle flies	Dermestids	House flies	Sciarid flies (fungus gnats)
Boxelder bugs	Earwigs	Kudzu (globular stink) bugs	Silverfish
Brown marmorated stink bugs	Elm leaf beetles	Leather beetles	Sow bugs
Carpet beetles	Elm seed bugs	Midges	Spiders
Centipedes	Firebrats	Millipedes	Wasps
Clothes moths	Flesh flies	Moths	Western conifer seed bugs
Clover mites	Flies	Multicolored Asian lady beetles	Yellow jackets
Cluster flies	Fruit flies		
Cockroaches	Gnats		

### **Where To Apply**

- Treat where pests have been seen or found, or can find shelter.
- Use only as a spot spray or crack and crevice or void treatments inside buildings and structures.

## INDOOR PESTS *(continued)*

<b>Where To Apply</b>	<ul style="list-style-type: none"><li>• Treat entry points, such as around water pipes, doors, windows, and eaves.</li><li>• Treat areas where pests normally feed or hide, such as baseboards, corners, around water pipes, behind or under refrigerators, cabinets, sinks, and stoves.</li><li>• Mist or foam applications can be made behind veneers, piers, and chimney bases, into rubble foundations, into block voids or structural voids, wall voids, under slabs, stoops, porches, or to the soil in crawlspaces, and other similar voids.</li><li>• Spot treat (not to exceed 2 square feet) floor or rugs beneath furniture, in closets, and storage areas, but do not apply to entire floor area.</li></ul>
<b>Use Rate</b>	<ul style="list-style-type: none"><li>• 0.075% - - 0.27 fl oz (8 milliliters) per gallon of water.</li><li>• 0.15% - - 0.54 fl oz (16 milliliters) per gallon of water.</li><li>• Except for bed bugs, use the higher specified rate for severe infestations, faster knockdown, and longer residual. For bed bugs, do not exceed an application rate of 0.075% - 0.27 fl oz (8 milliliters) of Temprid FX Insecticide per gal of water.</li></ul>
<b>How To Apply</b> (also see Application For Indoor Pests)	<ul style="list-style-type: none"><li>• Remove or tightly cover fish tanks and disconnect aerators during application.</li><li>• Keep people and pets away from sites of application until treated surfaces are completely dry.</li><li>• Do not contact treated surfaces until dry.</li><li>• When treating areas over your head, wear eye protection (safety glasses, goggles, or face shield) and dust mask or particulate respirator.</li></ul> <p><b><u>Spot Applications:</u></b></p> <ul style="list-style-type: none"><li>• Use a low-pressure system (do not exceed 50 psi at nozzle tip) with a fan-type nozzle to apply the dilution uniformly.</li><li>• In the home, cover all food processing surfaces and utensils or thoroughly wash following treatment. Cover exposed food or remove from area being treated.</li></ul>



## INDOOR PESTS *(continued)*

<b>How To Apply</b> (also see Application For Indoor Pests)	<b>Spray, Mist, or Foam Crack and Crevice or Void Applications:</b> <ul style="list-style-type: none"><li>• Spray, mist or foam directly into cracks and crevices or voids where pests or their nests are present. Apply the volume of spray, mist, or foam sufficient to cover the area.</li><li>• <b>Spray:</b> Use a low-pressure system (do not exceed 50 psi at nozzle tip) with a pinpoint or variable pattern nozzle, or applicator equipment that delivers low volume treatments.</li><li>• <b>Mist:</b> Use appropriate mist generating equipment. Do not allow mist to drift out of void spaces into commonly occupied areas of the structure.</li><li>• <b>Foam:</b> Use appropriate foam generating equipment to supply a sufficient volume of foam. Mix the dilution with manufacturer's specified volume of foaming agent.</li></ul>
<b>When To Apply</b>	<ul style="list-style-type: none"><li>• When pests are seen or found.</li><li>• Re-apply every 7 to 10 days if needed.</li></ul>
<b>Application Restrictions</b>	<ul style="list-style-type: none"><li>• Do not apply in food/feed areas of food and feed handling establishments.</li><li>• Do not apply broadcast treatments to floors or floor coverings.</li><li>• Do not apply in hospital and/or nursing home rooms while they are occupied.</li><li>• Do not apply in classrooms while they are occupied.</li><li>• Do not apply as a space spray.</li><li>• Do not allow excessive dripping or run-off to occur from vertical or overhead surfaces.</li><li>• Do not apply where electrical short circuits can occur; use a dust or dry bait in these areas.</li><li>• Do not apply to furniture or upholstery where prolonged contact with humans will occur.</li><li>• Do not spray bed linens or other materials which come in direct contact with occupants of the bed.</li><li>• Do not apply more than 5 gallons of diluted product indoors per individual applicator per day.</li></ul>

## APPLICATION FOR INDOOR PESTS

### **Crawling Insects**

Cockroaches,  
Crickets, Silver-  
fish, Spiders, and  
other listed pests

Use a coarse, low-pressure spray (do not exceed 50 psi at nozzle tip).

Treat entry points such as around water pipes, doors, windows, and eaves. Treat areas where pests normally feed or hide such as baseboards, corners, around water pipes, under refrigerators, cabinets, sinks, and stoves, being sure to spray cracks and crevices. Spot treat floor or rugs beneath furniture, in closets, and storage areas, but do not apply to entire floor area.

For more difficult to control pests, like certain spiders, direct contact spray is required for effective control.

### **Bed bugs**

**Use Rate:** 0.075% - 0.27 fl oz (8 milliliters) of Temprid FX Insecticide per gal of water. Controls bed bug populations that are resistant to pyrethroid insecticides. Efficacy of this product is not affected by heat treatments, so applications can be made before heat treatments in integrated bed bug elimination programs. Spray bugs and eggs directly wherever possible following site directions below. Bed bug eggs that are directly treated with this product are killed outright, and young nymphs that emerge from eggs are killed by dried residues.

For infested mattresses, remove linens and wash before reuse. Apply to tufts, seams, folds, and edges until moist. Allow to dry before remaking bed.

Apply to bedsprings, box springs, and the interior of bed frames or headboards, including all cracks and joints.

When bed bugs are found in upholstered furniture, apply only to the infested tufts, seams, folds, and edges, but do not apply to flat surfaces where prolonged human contact will occur. If bugs heavily infest furniture (inside cushions and/or batting), apply a labeled insecticide dust or consider fumigation.

Apply as a crack and crevice treatment to all baseboards, moldings, beneath floor

**APPLICATION FOR INDOOR PESTS** *(continued)*

<b>Bed bugs</b>	coverings and carpets, closets, shelves, curtains, furniture and picture frames that may provide harborage to bed bugs. Inside empty luggage, apply to seams, folds and edges until moist; remove all clothes and other articles from luggage before application and allow treated areas to thoroughly dry before use. Re-apply every 7 to 10 days, as needed, until infestation is eliminated.
<b>Ants</b>	Apply to ant trails on walls, tile, baseboards, around pipes, under cabinets, and other places where ants are active. Treat entry points such as windows, doors, or sites where utilities enter the structure; also see directions for use in Outdoor/Perimeter Pests section. Treat nests when possible.
<b>Listed Flying Insects</b>	Apply to surfaces where these pests congregate, collect, or rest.

## OUTDOOR/PERIMETER PESTS

Ants	Clover mites	Flies	Moths	Springtails
Blue or Green Bottle flies	Crickets	Gnats	Mosquitoes	Stable flies
Boxelder bugs	Earwigs	Ground beetles	Multicolored Asian lady beetles	Ticks
Brown marmorated stink bugs	Elm leaf beetles	Hornets	Pill bugs	Wasps
Carpenter ants	Elm seed bugs	House flies	Scorpions	Western conifer seed bugs
Centipedes	Fire ants	Kudzu (globular stink) bugs	Silverfish	Yellow jackets
Cockroaches	Firebrats	Midges	Sow bugs	
Cluster flies	Fleas	Millipedes	Spiders	
	Flesh flies			

### Where To Apply

- Apply to surfaces on buildings, porches, patios, and other structures, around doors and windows, eaves and attic vents, utility entry points, soffit areas, and other exterior openings (including foundation cracks or drilled holes) where these pests enter the structure or where they have been seen or found, or can find shelter.
- To prevent or to control infestations outdoors, treat the outside of the structure, to include walls (to a height of 2 to 3 feet), around doors, windows, and soffits where pests are active or may enter or hide. Treat the soil, turf, or other non-flowering ground covering adjacent to the structure (in a band up to 10 feet wide) and wherever pests are seen, have been found, or can find shelter.
- In ant management programs, apply to shrubs or ornamental plant beds that are not blooming, and where ants may find food or forage.
- In mosquito and occasional invader management programs, apply to trees, shrubs, or ornamental plant beds that are not blooming.
- In flea and tick management programs, apply along paths, tall grass, and other vegetation that is not blooming.
- To control listed stinging insects, treat nests and/or mounds wherever they occur.

*(continued)*

**OUTDOOR/PERIMETER PESTS** *(continued)***Use Rate**

- 0.075% - - 0.27 fl oz (8 milliliters) per 1,000 sq ft of surface.
- 0.15% - - 0.54 fl oz (16 milliliters) per 1,000 sq ft of surface.
- Always use the 0.15% rate for fire ants, hornets, wasps and yellow jackets.

**How To Apply** (also see Applications For Outdoor / Perimeter Pests)

**High volume applications using power sprayers:** In power sprayers, adjust the rate of product dilution to apply 8 to 16 milliliters of Temprid FX Insecticide per 1,000 square feet in sufficient water to provide adequate coverage. For example, mixing 4.5 fluid ounces (133 milliliters) of this product in a 50 gallon tank, when applied in a volume of 3.0 gallons per 1,000 square feet, will apply 0.27 fluid ounces of this product per 1,000 square feet. The table below gives examples of end use dilutions for typical power spraying application volumes:

<b>DILUTION RATE CHART</b>		
<b>Amount of Product fluid ounces (milliliters)</b>	<b>Application Volume gallons water</b>	<b>Concentration (% AI) In spray solution</b>
0.27 (8)	1	0.075%
	2	0.038%
	3	0.025%
	4	0.019%
	5	0.015%
0.54 (16)	1	0.150%
	2	0.075%
	3	0.050%
	4	0.038%
	5	0.030%

**OUTDOOR/PERIMETER PESTS** *(continued)*

<b>How To Apply</b> (also see Applications For Outdoor/Perimeter Pests)	Apply enough dilution to adequately cover the area without excessive dripping or run-off. Volume can vary depending on the surface type treated. For example, mulch requires more spray than bare soil. Do not contact treated surfaces until dry.
<b>When To Apply</b>	<ul style="list-style-type: none"><li>• When pests are seen or found.</li><li>• Re-apply every 7 to 10 days if needed, not to exceed max rate per calendar year.</li><li>• Do not allow this product to contact plants in bloom.</li><li>• Do not apply more than 32.0 fluid ounces of Temprid FX Insecticide per acre, per year for landscape, lawn, and ornamental applications. Maximum annual use of 0.5 pounds of imidacloprid and 0.25 pounds of <math>\beta</math>-cyfluthrin per acre, per year.</li><li>• At the 8 milliliter per gallon use rate, this is a limit of 118 dilute gallons per acre, per year and at the 16 milliliter per gallon use rate, this is a limit of 59 dilute gallons per acre, per year for landscape, lawn, and ornamental applications.</li></ul>
<b>Application Restrictions</b>	<p>Do not apply more than 32.0 fluid ounces of Temprid FX Insecticide per acre, per year. Maximum annual use of 0.5 pounds of imidacloprid and 0.25 pounds of <math>\beta</math>-cyfluthrin per acre, per year.</p> <p>Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack and crevice treatment. During application, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack and crevice treatments only, except for the following permitted uses:</p> <ol style="list-style-type: none"><li>1. Applications to soil or vegetation, as listed on this label, around structures;</li><li>2. Applications to lawns, and other vegetation, as listed on this label;</li></ol>

**OUTDOOR/PERIMETER PESTS** *(continued)***Application Restrictions**

3. Applications to the side of a building, up to a maximum height of 3 feet above grade;
4. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch, or other vegetation, as listed on this label, and not over an impervious surface, drainage, or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.
7. Do not allow this product to contact plants in bloom.
8. Do not apply this product, by any application method, to linden, basswood, or other *Tilia* species.

**APPLICATION FOR OUTDOOR/PERIMETER PESTS**

- Ants** Locate and treat ant nests if possible. Follow trails of foraging workers, check under objects near the structure, and inspect other likely nest sites. If ants are nesting in the soil, thoroughly drench or inject the nest and surrounding soil. Treat ant trails around windows and doors, along sidewalks, or other areas where seen. Apply a perimeter treatment as described above.
- Temprid FX Insecticide contains a systemic insecticide (Imidacloprid), so foliar application to landscape ornamentals provides locally systemic control of aphids, scale insects, and other plant-sucking insects and limits the production of honeydew (an important food source for ant populations).
- Apply a very light mist of the dilute spray, and do not allow excess run-off. Treat thoroughly for good

**APPLICATION FOR OUTDOOR/PERIMETER PESTS** *(continued)*

<b>Ants</b>	coverage, including the underside of leaves, as these pests often feed or rest there. <b>Aerial Nests:</b> If ant nests are located in tree hollows or non-structural wooden construction (e.g.; posts, fences, decks) treat the interior cavity and/or the nest site by injecting a spray, mist, or sufficient volume of foam. It is recommended to remove or prune away any shrubbery, bushes, and tree branches touching the structure. Vegetation touching the structure may offer a route of entry for ants into the structure. This may allow ants to inhabit the structure without coming in contact with the treatment.
<b>Hornets, wasps, and yellow jackets</b>	<b>Use Rate:</b> 0.15% - 0.54 fl oz (16 milliliters) of Temprid FX Insecticide per gal of water. Make pin stream applications directly to the nests. To help avoid stings treat nests in the evening when the insects are inside the nest. Remove and destroy treated nests to prevent emergence of newly hatched insects. If removal is not possible, retreat nests if necessary.
<b>Occasional invaders Boxelder bugs, elm leaf beetle, seed bugs, stink bugs, and other listed pests</b>	Apply directly to insects that have congregated around doors and windows and similar areas where they may enter structures. Apply perimeter treatment as described above. For best results, treat infested trees and shrubs early in the season. A single foliar application of this product will kill stink bugs feeding on protected plants for 4 weeks. Tree spraying may require ornamental license – check with your local regulator.

*(continued)*



**APPLICATION FOR OUTDOOR/PERIMETER PESTS** *(continued)*

**Centipedes, ear-wigs, millipedes, pill bugs, sow bugs, springtails, etc.**

Apply perimeter treatment to reduce the number of insects from entering the structure. Thoroughly treat mulched areas.  
Correcting moisture problems around the structure will reduce pest pressure.

**Fire Ants**

**Use Rate:** 0.15% - - 0.54 fl oz (16 milliliters) of Temprid FX Insecticide per gal of water.  
Thoroughly drench or inject the entire mound. When using injection treatment, you must treat the bottom of the mound. Apply dilution or foam using a downward and upward motion of the injector tool. For complete distribution, inject in several points throughout the mound.  
Treat new mounds as they appear.  
• **Do not** use in pastures or areas of food crop production.

**Fleas & ticks** (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever)

For ticks, treat likely harborage areas like along paths, tall grass, and other vegetation. For fleas, concentrate treatments in areas where pets are known to rest, as these areas are larval breeding hot spots.  
One application will kill adult fleas for 2 to 3 months and aids in control of larval fleas for up to 1 month.  
Treat the entire area where these pests could be present. Fleas and ticks may be re-introduced from surrounding areas by host animals.

**House flies and Cluster flies**

Apply low-volume mist or spray to outside surfaces of buildings, porches, patios, garages, fences, and other areas where house flies rest.

*(continued)*

**APPLICATION FOR OUTDOOR/PERIMETER PESTS** *(continued)*

<b>House flies and Cluster flies</b>	Cluster flies: Treat in late summer or fall, just before cluster flies begin looking for winter shelter. Spray siding, eaves, around windows and doors, window screens, and attics. To help reduce infestations, treat cracks & crevices, attics, and other indoor winter hiding places.
<b>Mosquitoes</b> (including mosquitoes that may transmit Zika, Dengue, Chikungunya, and West Nile virus)	Treat with spray or mist around landscape plants, turf, and ground cover, under decks, around building foundations, and other places where mosquitoes may rest.
<b>Scorpions</b>	Apply as a perimeter treatment to exterior walls and adjacent soil, to known or suspected harborages of scorpions. Apply spot treatments into cracks, crevices, weep holes, or other access points into hollow block walls or masonry veneer. When possible, remove piles of debris and building materials near the exterior wall that can harbor the pests. You may treat around piles of firewood, but do not treat firewood with this product.

**WOOD-INFESTING PESTS**

Drywood termites	Beetles (con't)	Beetles (con't)	Carpenter ants
Beetles	- Bark beetles	- Old house borers	Carpenter bees
- Ambrosia beetles	- False powderpost	- Wharf borers	
- Anobiid or deathwatch	- Lyctid or powder post		

*(continued)*

**WOOD-INFESTING PEST** *(continued)*

<b>Where To Apply</b>	<ul style="list-style-type: none"><li>• For treatment of wood infested with, or subject to infestation by, wood-infesting pests.</li><li>• Apply where pests have been seen, found, or can find shelter.</li></ul>
<b>Use Rate</b>	• 0.075% - 0.27 fl oz (8 milliliters) of Temprid FX Insecticide per gal of water.
<b>How To Apply</b> (also see Application section)	<ul style="list-style-type: none"><li>• Apply spray or foam as described in application section.</li><li>• Treatment dilutions may also be applied to wood surfaces by paint brush or rollers.</li><li>• Do not contact treated surfaces until dry.</li></ul>
<b>When To Apply</b>	<ul style="list-style-type: none"><li>• When pests are seen or found.</li><li>• Re-apply every 7 to 10 days if needed.</li></ul>
<b>Foam Applications</b>	• Mix end-use dilution with manufacturer's specified volume of foaming agent.

**APPLICATION FOR WOOD-INFESTING PESTS****Drywood termites & wood-infesting beetles**

**Galleries and structure voids:** Treat by applying sprays, mists, or foams. Locate galleries by using visual signs (frass or pellets, blistered wood, emergence or clean out holes), the presence of live insects, mechanical sounding techniques, or listening devices (e.g., stethoscopes, acoustic emission detectors). Penetrate the gallery system by drilling holes to receive the injector tip or treatment tool. Distribute drill holes to adequately cover the gallery system. Apply as a low pressure spray (do not exceed 50 psi at nozzle tip) or by misting, or where appropriate, by foaming. It is not necessary to treat to the point where runoff is detected from adjacent holes.

- Avoid drilling where electrical wiring, plumbing lines, etc. are located.
- Do not apply where electrical shock hazards exist.
- Drill holes in commonly occupied areas must be sealed after treatment.

**APPLICATION FOR WOOD-INFESTING PESTS** *(continued)***Drywood termites & wood-infesting beetles**

**Wood surfaces:** Treat by spray, mist, or where appropriate, foam applications. For inaccessible surfaces, drill and treat the interior of structural voids. Surfaces treated may include exposed wooden surfaces in crawlspaces, basements, or attics; wooden exterior surfaces such as decks, fencing, or siding; structural voids; channels in damaged wood; in spaces between wooden members of a structure; and junctions between wood and foundations. Apply by brushing or as a coarse, low pressure spray (do not exceed 50 psi at nozzle tip) to the wood surface; apply sufficient volume to cover the surface to the point of wetness, but avoid applying to the point of runoff.

When spraying wood surfaces overhead in living areas, cover surfaces below the treated area with plastic sheeting or similar material. Do not contact treated surfaces until spray deposits have dried.

**Carpenter ants**

**Homes and other structures:** Apply around doors and windows and other places where carpenter ants may enter. Spray or foam into cracks and crevices, or spray, mist, or foam through small drilled holes into voids where ants or nests are present. Use enough spray or foam to cover the area. Inside trees, utility poles, fencing and decking materials and similar structural members, drill to find the interior infested cavity and inject spray, mist, or foam using a treatment tool with a splashback guard.

**Tunneling in soil:** Apply as a soil drench or inject the dilution or foam into the soil at intervals of 8 to 12 inches. Use 1 gallon of dilution per 8 sq ft. Treat along the edge of walls, driveways, or other hard surfaces where ants are tunneling beneath the surface.

**Protecting firewood from carpenter ants:** Treat soil beneath firewood before stacking at 1 gallon of dilution per 8 sq ft.

- **Do not** treat firewood with this product.

It is recommended to remove or prune away any shrubbery, bushes, and tree branches touching the structure. Vegetation touching the structure may offer a route of entry for ants into the structure. This may allow ants to inhabit the structure without coming in contact with the treatment.

**APPLICATION FOR WOOD-INFESTING PESTS** *(continued)*

<b>Carpenter bees</b>	<b>In or on structures:</b> Apply as a spray or mist, or sufficient volume of foam, directly into gallery entrance holes. Leave entrance open to be sure that returning adult bees are killed. Exterior wood surfaces may be treated by general surface application to prevent nest cavity excavation by adult carpenter bees.
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**STORAGE AND DISPOSAL**

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

<b>PESTICIDE STORAGE</b>	Mix as needed. Store in original container in a secured dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.
<b>PESTICIDE DISPOSAL</b>	Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
<b>CONTAINER HANDLING</b>	Less than one gallon Non-refillable container: Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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. If recycling is not available, puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke. If partly filled: Call your local solid waste agency for disposal

## STORAGE AND DISPOSAL *(continued)*

### CONTAINER HANDLING

instructions. Never place unused product down any indoor or outdoor drain.

Non-refillable containers: Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), or rinse and either recycle or dispose of the container as follows: (Bottom Discharge IBC (e.g. - Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

(Top Discharge IBC, Drums, Kegs (e.g. - Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

## APPENDIX

Use Temprid FX Insecticide as a general surface (outdoors only), spot, mist, or crack and crevice treatment.

Permitted areas of use include the following buildings, structures, and modes of transport:

- |   |                                 |   |
|---|---------------------------------|---|
| • apartment buildings                         | • granaries                     | • pickle factories  |
| • bakeries                                    | • greenhouses (structures only) | • poultry houses  |
| • bottling facilities                         | • hospitals                     | • processing and packing plants   |
| • breweries                                   | • hotels                        | • restaurants   |
| • buses                                       | • houses                        | • schools   |
| • cafeterias                                  | • industrial buildings          | • spice plants  |
| • candy plants                                | • kitchens                      | • stores  |
| • cereal processing and manufacturing plants  | • laboratories                  | • warehouses  |
| • correctional facilities                     | • livestock housing             | • wineries and similar structures   |
| • dairies and dairy product processing plants | • pet kennels                   | • transportation vessels such as buses, trucks, trailers, rail cars, and marine vessels |
| • frozen food plants                          | • manufacturing establishments  |   |
| • grain mills                                 | • mausoleums                    |   |
|   | • meat and produce canneries    |   |
|   | • nursing homes                 |   |

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, inf-

fectiveness 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 Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

Bayer (reg'd), the Bayer Cross (reg'd) and Temprid® are registered trademarks of Bayer.

**Produced for:**  
**Bayer Environmental Science**  
**A Division of Bayer CropScience LP**  
**2 T. W. Alexander Drive**  
**Research Triangle Park, NC 27709**

**Bayer**





**Temprid<sup>®</sup>**  
**FX**

**INSECTICIDE**

**ACTIVE INGREDIENT:**

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-*N*-nitro-2-imidazolidinimine..... 21.0%

B- Cyfluthrin, Cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropanecarboxylate ..... 10.5%

**OTHER INGREDIENTS:** ..... 68.5%

**TOTAL:** ..... 100.0%

**STOP - Read the Label Before Use**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

For MEDICAL and TRANSPORTATION

Emergencies **ONLY** Call 24 Hours A

Day 1-800-334-7577

For PRODUCT USE Information Call

1-800-331-2867

EPA Reg. No. 432-1544

EPA Est. No. 432-TX-1

**Non-refillable Container**

**Net Contents:**

**900 mL (30.43 fl oz)**

**85331809**

85350153C 160811AV3

**PULL HERE TO OPEN** ▲

# SAFETY DATA SHEET



## TEMPRID® FX INSECTICIDE

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

**Trade name** TEMPRID® FX INSECTICIDE

**Product code (UVP)** 79521359

**SDS Number** 102000019505

**EPA Registration No.** 432-1544

#### Relevant identified uses of the substance or mixture and uses advised against

**Use** Insecticide

**Restrictions on use** See product label for restrictions.

#### Information on supplier

**Supplier** Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle PK, NC 27709  
United States

**Responsible Department** Email: SDSINFO.BCS-NA@bayer.com

#### Emergency telephone no.

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577

**Product Information Telephone Number** 1-800-331-2867

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification in accordance with regulation HCS 29CFR §1910.1200

Acute toxicity(Oral, Inhalation): Category 4

#### Labelling in accordance with regulation HCS 29CFR §1910.1200



**Signal word:** Warning

#### Hazard statements

Harmful if swallowed or if inhaled

#### Precautionary statements

Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Avoid breathing mist and spray.

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Use only outdoors or in a well-ventilated area.  
IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.  
Rinse mouth.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER/doctor/physician if you feel unwell.  
Dispose of contents/container in accordance with local regulation.

### Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.  
No health hazards not otherwise classified.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Imidacloprid	138261-41-3	21.0
Beta-Cyfluthrin	68359-37-5	10.5
Naphthalene and alkyl naphthalene sulphonic acids formaldehyde condensate, sodium salt	68425-94-5	2.4

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	Move 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 physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Eye contact</b>	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 physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

### Most important symptoms and effects, both acute and delayed

**Symptoms** To date no symptoms are known.

**Indication of any immediate medical attention and special treatment needed**

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<b>Treatment</b>	Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.
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### SECTION 5: FIREFIGHTING MEASURES

#### Extinguishing media

<b>Suitable</b>	Water spray, Foam, Carbon dioxide (CO <sub>2</sub> ), Dry chemical
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<b>Unsuitable</b>	None known.
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<b>Special hazards arising from the substance or mixture</b>	Dangerous gases are evolved in the event of a fire.
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#### Advice for firefighters

<b>Special protective equipment for firefighters</b>	Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
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<b>Further information</b>	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
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<b>Flash point</b>	> 93.3 °C
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<b>Auto-ignition temperature</b>	360 °C / 680 °F
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<b>Lower explosion limit</b>	No data available
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<b>Upper explosion limit</b>	No data available
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<b>Explosivity</b>	Not explosive 92/69/EEC, A.14 / OECD 113
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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Precautions</b>	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
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#### Methods and materials for containment and cleaning up

<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
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<b>Additional advice</b>	Use personal protective equipment. If material is accidentally spilled, do not allow to enter soil, waterways or waste water canal.
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**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage.

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

#### Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Imidacloprid	138261-41-3	50ug/m3 (ST ESL)	07 2011	TX ESL
Imidacloprid	138261-41-3	5ug/m3 (AN ESL)	07 2011	TX ESL
Imidacloprid	138261-41-3	0.7 mg/m3 (TWA)		OES BCS*
Beta-Cyfluthrin	68359-37-5	5ug/m3 (AN ESL)	03 2014	TX ESL
Beta-Cyfluthrin	68359-37-5	50ug/m3 (ST ESL)	03 2014	TX ESL
Beta-Cyfluthrin	68359-37-5	0.01 mg/m3 (TWA)		OES BCS*
Glycerine (Respirable fraction.)	56-81-5	5 mg/m3 (PEL)	02 2006	OSHA Z1
Glycerine (Total dust.)	56-81-5	15 mg/m3 (PEL)	02 2006	OSHA Z1

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Glycerine (Respirable fraction and dust or fume.)	56-81-5	5 mg/m <sup>3</sup> (TWA)	06 2008	TN OEL
Glycerine (Total dust and mist.)	56-81-5	10 mg/m <sup>3</sup> (TWA)	06 2008	TN OEL
Glycerine	56-81-5	5ug/m <sup>3</sup> (AN ESL)	03 2014	TX ESL
Glycerine	56-81-5	1000ug/m <sup>3</sup> (ST ESL)	03 2014	TX ESL
Glycerine	56-81-5	50ug/m <sup>3</sup> (ST ESL)	03 2014	TX ESL
Glycerine	56-81-5	100ug/m <sup>3</sup> (AN ESL)	03 2014	TX ESL

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

### Exposure controls

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

#### Respiratory protection

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

#### Hand protection

Chemical resistant nitrile rubber gloves

#### Eye protection

Safety glasses with side-shields

#### Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks.

#### General protective measures

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.  
Keep and wash PPE separately from other laundry.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white to beige
Physical State	suspension
Odor	characteristic
Odour Threshold	No data available
pH	ca. 6.9 at 10 %
Vapor Pressure	No data available
Vapor Density (Air = 1)	No data available
Density	1.16 g/cm <sup>3</sup> at 20 °C

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<b>Evaporation rate</b>	No data available
<b>Boiling Point</b>	No data available
<b>Melting / Freezing Point</b>	No data available
<b>Water solubility</b>	dispersible
<b>Minimum Ignition Energy</b>	Not applicable
<b>Decomposition temperature</b>	Not applicable
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Viscosity</b>	500 - 1,100 mPa.s
<b>Flash point</b>	> 93.3 °C
<b>Auto-ignition temperature</b>	360 °C / 680 °F
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Explosivity</b>	Not explosive 92/69/EEC, A.14 / OECD 113

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### SECTION 10: STABILITY AND REACTIVITY

#### Reactivity

<b>Thermal decomposition</b>	Not applicable
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Exposure routes</b>	Skin Absorption, Eye contact, Ingestion
<b>Immediate Effects</b>	
<b>Eye</b>	Moderate eye irritation.
<b>Skin</b>	Harmful if absorbed through skin. May cause slight irritation.

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**Ingestion** Harmful if swallowed.

### Information on toxicological effects

**Acute oral toxicity** LD50 (female Rat) > 1,044 mg/kg  
**Acute inhalation toxicity** LC50 (Rat) > 2.03 mg/l  
Exposure time: 4 h  
Determined in the form of liquid aerosol.  
highest concentration tested  
No deaths  
**Acute dermal toxicity** LD50 (Rat) > 2,000 mg/kg  
**Skin irritation** slight irritation (Rabbit)  
**Eye irritation** Mild eye irritation. (Rabbit)  
**Sensitisation** Non-sensitizing. (Guinea pig)

### Assessment STOT Specific target organ toxicity – repeated exposure

Imidacloprid did not cause specific target organ toxicity in experimental animal studies. The toxic effects of Beta-Cyfluthrin are related to transient hyperactivity typical for pyrethroid neurotoxicity.

### Assessment mutagenicity

Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.  
Beta-Cyfluthrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

### Assessment carcinogenicity

Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.  
Beta-Cyfluthrin was not carcinogenic in lifetime feeding studies in rats and mice.

### ACGIH

None.

### NTP

None.

### IARC

None.

### OSHA

None.

### Assessment toxicity to reproduction

Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity. Beta-Cyfluthrin caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Beta-Cyfluthrin is related to parental toxicity.

### Assessment developmental toxicity



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Imidacloprid caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Imidacloprid are related to maternal toxicity.  
Beta-Cyfluthrin caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Beta-Cyfluthrin are related to maternal toxicity.

### Further information

Only acute toxicity studies have been performed on the formulated product.  
The non-acute information pertains to the active ingredient(s).

## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) 211 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient imidacloprid.
	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.000068 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient beta-cyfluthrin.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 85 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient imidacloprid.
	LC50 (Chironomus riparius (non-biting midge)) 0.0552 mg/l Exposure time: 24 h The value mentioned relates to the active ingredient imidacloprid.
	EC50 (Daphnia magna (Water flea)) 0.00029 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient beta-cyfluthrin.
	EC50 (Desmodesmus subspicatus (green algae)) > 10 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient imidacloprid.
<b>Toxicity to aquatic plants</b>	IC50 (Desmodesmus subspicatus (green algae)) > 0.01 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient beta-cyfluthrin. No acute toxicity was observed at its limit of water solubility.
<b>Biodegradability</b>	Imidacloprid: Not rapidly biodegradable Beta-Cyfluthrin: Not rapidly biodegradable
<b>Koc</b>	Imidacloprid: Koc: 225 Beta-Cyfluthrin: Koc: 508 - 3179
<b>Bioaccumulation</b>	Imidacloprid: Does not bioaccumulate. Beta-Cyfluthrin: Bioconcentration factor (BCF) 506

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	Does not bioaccumulate.
<b>Mobility in soil</b>	Imidacloprid: Moderately mobile in soils Beta-Cyfluthrin: Immobile in soil
<b>Environmental precautions</b>	Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Apply this product as specified on the label.

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Product</b>	Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility. Never place unused product down any indoor or outdoor drain. Follow advice on product label and/or leaflet.
<b>Contaminated packaging</b>	Do not re-use empty containers. Triple rinse containers. Add washings to sprayer at time of filling. Puncture container to avoid re-use. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning. If burned, stay out of smoke. Follow advice on product label and/or leaflet.
<b>RCRA Information</b>	Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

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### SECTION 14: TRANSPORT INFORMATION

<b>49CFR</b>	Not dangerous goods / not hazardous material
<b>IMDG</b>	
UN number	<b>3082</b>
Class	9
Packaging group	III
Marine pollutant	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BETA-CYFLUTHRIN, IMIDACLOPRID SOLUTION)

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### IATA

UN number	3082
Class	9
Packaging group	III
Environm. Hazardous Mark	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BETA-CYFLUTHRIN, IMIDACLOPRID SOLUTION )

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

## SECTION 15: REGULATORY INFORMATION

**EPA Registration No.** 432-1544

### US Federal Regulations

#### TSCA list

Naphthalene and alkyl naphthalene 68425-94-5  
sulphonic acids formaldehyde  
condensate, sodium salt

### US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

None.

### SARA Title III - Section 302 - Notification and Information

None.

### SARA Title III - Section 313 - Toxic Chemical Release Reporting

Beta-Cyfluthrin 68359-37-5

### US States Regulatory Reporting

#### CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

### US State Right-To-Know Ingredients

Beta-Cyfluthrin 68359-37-5 NJ, RI

### Canadian Regulations

#### Canadian Domestic Substance List

None.

### Environmental

#### CERCLA

None.

#### Clean Water Section 307 Priority Pollutants

None.

#### Safe Drinking Water Act Maximum Contaminant Levels

None.

# SAFETY DATA SHEET



## TEMPRID® FX INSECTICIDE

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### EPA/FIFRA Information:

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 required on the pesticide label:

**Signal word:** Caution!

**Hazard statements:** Harmful if absorbed through skin.  
Harmful if swallowed.  
Moderate eye irritation.  
Avoid contact with skin, eyes and clothing.  
Wash thoroughly with soap and water after handling.

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

### NFPA 704 (National Fire Protection Association):

Health - 1      Flammability - 1      Instability - 0      Others - none

### HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** Reviewed and updated for general editorial purposes. The following sections have been revised: Section 2: Hazards Identification.

# SAFETY DATA SHEET



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