



TEMPRID[®] SC

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%

EPA Reg. No. 432-1483

**STOP - Read The Label
Before Use**

**Keep out of reach of
children.**

CAUTION

See inside leaflet for complete First Aid Instructions, Precautionary Statements, Directions for Use and Storage and Disposal Instructions.

Net Contents
400ml

79523475
79545789H 130220AV1a

BACKED
by **BAYER**[™]

FIRST AID

If on skin:	<ul style="list-style-type: none"> • 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 in eyes:	<ul style="list-style-type: none"> • Hold eyes 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 eyes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have 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 to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577.

Note To Physician: 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 or weeds. Do not apply this product or allow it to drift to blooming crops if bees are visiting 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.



PRODUCT FACTS

- **Two modes of action • Contact activity & systemic action**
- **Low odor • Non-staining • No phytotoxicity on a wide range of ornamentals**

Temprid® SC Insecticide	<ul style="list-style-type: none"> • Temprid SC Insecticide is a suspension concentrate formulation of two insecticide active ingredients, imidacloprid and β-cyfluthrin. One gallon of this product contains 2 lbs of imidacloprid and 1 lb of β-cyfluthrin. • Shake well before using.
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continued

PRODUCT FACTS (Cont)

Controls	<ul style="list-style-type: none"> • Indoor or General Household Pests • Outdoor/Perimeter Pests • Wood-Infesting Pests <p><i>For list of specific insects, see inside.</i></p>
Where To Apply	<p>Apply where pests have been seen or found, or can find shelter.</p> <ul style="list-style-type: none"> • In and around buildings and structures. • On established landscape ornamentals around residential and commercial properties.
Dilution Rates	<ul style="list-style-type: none"> • 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% β-Cyfluthrin. • 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% β-Cyfluthrin.
Mixing Information	<ul style="list-style-type: none"> • Mix the appropriate amount of Temprid SC Insecticide with water. • Add product when filling spray tank with water; shake or agitate mixture. • Diluted spray mixture can be stored overnight. Agitate before using.
How To Apply	<ul style="list-style-type: none"> • General surface (outdoors only), spot treatment, and void injections by mist, foam or crack & crevice sprays. • Foliar application to established landscape ornamentals.
Re-Apply	<ul style="list-style-type: none"> • Every 7 to 10 days, if needed. • Do not apply more than 32.0 fluid ounces of Temprid SC Insecticide per acre, per year. [Maximum annual use of 0.5 pounds of imidacloprid and 0.25 pounds of β-cyfluthrin per acre, per year.] • 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.
Re-Entry 	<ul style="list-style-type: none"> • Do not contact treated surfaces until dry. • People and pets may re-enter after the treated area is dry.
Questions 	<p>For questions or comments, call toll-free 1-800-331-2867</p>

DIRECTIONS FOR USE

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

continued

INDOOR PESTS

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

Use Temprid SC Insecticide as a spot spray or crack & 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	Clover mites	Flesh flies	Leather beetles	Silverfish
Bed bugs	Cluster fly	Flies	Midges	Sow bugs
Blue or Green Bottle flies	Cockroaches	Fruit flies	Millipedes	Spiders
Boxelder bugs	Crickets	Gnats	Moths	Wasps
Brown marmorated stink bugs	Darkling beetles	Hide beetles	Multicolored Asian lady beetles	Yellow jackets
Carpet beetles	Dermestids	Hornets	Phorid flies	
Centipedes	Earwigs	House flies	Pill bugs	
Clothes moths	Elm leaf beetles	Kudzu (globular stink) bugs	Sciariid flies (fungus gnats)	
Firebrats				

Where To Apply

- Treat where pests have been seen or found, or can find shelter.
- Use only as a spot spray or crack & crevice or void treatments inside buildings and structures.
- 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, behind or under refrigerators, cabinets, sinks, and stoves.
- 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.
- Spot treat floor or rugs beneath furniture, in closets, and storage areas, but do not apply to entire floor area.

Use Rate

- 0.075% -- 0.27 fl oz (8 milliliters) per gallon of water
- 0.15% -- 0.54 fl oz (16 milliliters) per gallon of water
- Use the higher specified rate for severe infestations, faster knockdown, and longer residual.

How To Apply

(also see Application For Indoor Pests)

- Remove or tightly cover fish tanks and disconnect aerators during application.
 - Keep people and pets away from sites of application until treated surfaces are completely dry.
 - Do not contact treated surfaces until dry.
- When treating areas over your head, wear eye protection (safety glasses, goggles, or face shield) and dust/mist mask or respirator.
- Spot Applications**
- Use a low-pressure system, (do not exceed 50 psi at nozzle tip) with a fan-type nozzle to apply the dilution uniformly.
 - In the home, cover all food processing surfaces and utensils or thoroughly wash following treatment. Cover exposed food or remove from area being treated.
- Spray, Mist, or Foam Crack and Crevice or Void Applications**
- Spray, mist or foam directly into cracks & crevices or voids where pests or their nests are present. Apply the volume of spray, mist or foam sufficient to cover the area.

INDOOR PESTS (Cont)	
How To Apply (Cont)	<ul style="list-style-type: none"> • Spray: 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. • Mist: Use appropriate mist generating equipment. Do not allow mist to drift out of void spaces into commonly occupied areas of the structure. • Foam: Use appropriate foam generating equipment to supply a sufficient volume of foam. Mix the dilution with manufacturer's specified volume of foaming agent.
When To Apply	<ul style="list-style-type: none"> • When pests are seen or found. • Re-apply every 7 to 10 days if needed.
Application Restrictions	<ul style="list-style-type: none"> • Do not apply in food/feed areas of food and feed handling establishments. • Do not apply broadcast treatments to floors or floor coverings. • Do not apply in hospital and/or nursing home rooms while they are occupied. • Do not apply in classrooms while they are occupied. • Do not apply as a space spray. • Do not allow excessive dripping or run-off to occur from vertical or overhead surfaces. • Do not apply where electrical short circuits can occur; use a dust or dry bait in these areas. • Do not apply to furniture or upholstery where prolonged contact with humans will occur. • Do not spray bed linens or other materials which come in direct contact with occupants of the bed. • Do not apply more than 5 gallons of diluted product indoors per individual applicator per day.

APPLICATION FOR INDOOR PESTS	
Crawling Insects Cockroaches, Crickets, Silverfish, Spiders, and other listed pests	<p>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 & 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.</p>
Bed bugs	<p>Use Rate: 0.075% - 0.27 fl oz (8 milliliters) of Temprid SC 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,</p>

APPLICATION FOR INDOOR PESTS (Cont)	
Bed bugs (Cont)	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 & crevice treatment to all baseboards, moldings, beneath floor 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.
Ants	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.
Listed Flying Insects	Apply to surfaces where these pests congregate, collect, or rest.

OUTDOOR/PERIMETER PESTS					
Ants	Carpenter ants	Elm leaf beetle	Ground beetles	Mosquitoes	Sow bugs
Blue or Green	Centipedes	Fire ants	Hornets	Moths	Spiders
Bottle flies	Cockroaches	Firebrats	House flies	Multicolored Asian lady beetle	Springtails
Boxelder bugs	Cluster flies	Fleas	Kudzu (globular stink) bugs	Pill bugs	Stable flies
Brown marmorated stink bugs	Clover mites	Flesh flies	Midges	Scorpions	Ticks
	Crickets	Flies	Millipedes	Silverfish	Wasps
	Earwigs	Gnats			Yellow jackets
Where To Apply	<ul style="list-style-type: none"> • 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 infestation, 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 ground covering adjacent to the structure (in a band up to 10 feet wide) where pests are seen, have been found, or can find shelter. • In ant management programs, apply to flower, shrub or ornamental plant beds where ants may find food or forage. 				
Use Rate	<ul style="list-style-type: none"> • 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. 				

OUTDOOR/PERIMETER PESTS (Cont)

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 SC 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:

DILUTION RATE CHART		
Amount of Product fluid ounces (milliliters)	Application Volume gallons water	Concentration (% AI) In spray solution
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%

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.

When To Apply

- When pests are seen or found.
- Re-apply every 7 to 10 days if needed.
- Do not apply more than 32.0 fluid ounces of Temprid SC 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 β -cyfluthrin per acre, per year.]
- 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.

Application Restrictions

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:

1. Applications to soil or vegetation, as listed on this label, around structures;
2. Applications to lawns, and other vegetation, as listed on this label;

OUTDOOR/PERIMETER PESTS (Cont)

Application Restrictions <i>Cont)</i>	<ol style="list-style-type: none">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.
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APPLICATION FOR OUTDOOR/PERIMETER PESTS

Ants	<p>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 SC Insecticide contains a systemic insecticide (imidacloprid), so foliar application to landscape ornamentals provide locally systemic control of aphids, scale insects, and other plant-sucking insects and limit 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 coverage including the underside of leaves as these pests often feed or rest there.</p> <p>Aerial Nests: 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.</p> <p>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.</p>
Hornets, wasps, and yellow jackets	<p>Use Rate: 0.15% - - 0.54 fl oz (16 milliliters) of Temprid SC 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.</p>
Occasional invaders Boxelder bugs, elm leaf beetle, stink bugs, and other listed pests	<p>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.</p>

APPLICATION FOR OUTDOOR/PERIMETER PESTS (Cont)

<p>Centipedes, earwigs, millipedes, pill bugs, sow bugs, springtails, etc.</p>	<p>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.</p>
<p>Fire Ants</p>	<p>Use Rate: 0.15% - - 0.54 fl oz (16 milliliters) of Temprid SC 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. <ul style="list-style-type: none"> • Do not use in pastures or areas of food crop production. </p>
<p>Fleas & ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever)</p>	<p>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. Treat the entire area where these pests could be present. Fleas and ticks may be re-introduced from surrounding areas by host animals.</p>
<p>House flies and Cluster flies</p>	<p>Apply low-volume mist or spray to outside surfaces of buildings, porches, patios, garages, fences, and other areas where house flies rest. 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.</p>
<p>Mosquitoes</p>	<p>Treat with spray or mist around landscape plants, turf and ground cover, under decks, around building foundations, and other places where mosquitoes may rest.</p>
<p>Scorpions</p>	<p>Treat around piles of firewood and other areas where scorpions may hide. When possible, remove piles of materials that can harbor the pests. Apply a perimeter treatment. Do not treat firewood with this product.</p>

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

APPLICATION FOR WOOD-INFESTING PESTS	
Drywood termites & wood-infesting beetles	<p>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.</p> <ul style="list-style-type: none"> • 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. <p>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.</p> <p>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.</p>

APPLICATION FOR WOOD-INFESTING PESTS (Cont)

<p>Carpenter ants</p>	<p>Homes and other structures: Apply around doors and windows and other places where carpenter ants may enter. Spray or foam into cracks & 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.</p> <p>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.</p> <p>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.</p> <p>Protecting firewood from carpenter ants: Treat soil beneath firewood before stacking at 1 gallon of dilution per 8 sq ft.</p> <ul style="list-style-type: none"> • Do not treat firewood with this product. <p>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.</p>
<p>Carpenter bees</p>	<p>In or on structures: 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.</p>

STORAGE AND DISPOSAL

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

<p>PESTICIDE STORAGE</p>	<p>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.</p>
<p>PESTICIDE DISPOSAL</p>	<p>Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p>

STORAGE AND DISPOSAL (Cont)

CONTAINER DISPOSAL

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

APPENDIX

Use Temprid SC Insecticide as a general surface (outdoors only), spot, mist, or crack & 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, 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 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

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Produced for:

Bayer
Environmental
Science

A Division
of Bayer CropScience LP
2 T. W. Alexander Drive
Research Triangle Park, NC
27709



Material Safety Data Sheet
TEMPRID™ SC INSECTICIDE

MSDS Number: 102000019505
MSDS Version 1.3
Revision Date: 07/30/2010

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name TEMPRID™ SC INSECTICIDE
MSDS Number 102000019505
EPA Registration No. 432-1483

Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
USA

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)
For Product Information call: 1-800-331-2867

SECTION 2. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview Caution! 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.

Physical State suspension

Odor characteristic

Appearance white to beige

Exposure routes Skin Absorption, Eye contact, Ingestion

Immediate Effects

Eye May cause mild irritation to eyes. Do not get in eyes.

Skin Harmful if absorbed through skin. Avoid contact with skin and clothing. May cause slight irritation.

Ingestion Harmful if swallowed. Do not take internally.

Inhalation Avoid contact or inhalation of spray mist.

Chronic or Delayed Long-Term This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Potential Environmental Effect Extremely toxic to fish and aquatic invertebrates. Toxic to bees.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Imidacloprid	138261-41-3	21.00
beta-Cyfluthrin	68359-37-5	10.50
Glycerine	56-81-5	

SECTION 4. FIRST AID MEASURES

General	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
Eye	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.
Skin	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.
Ingestion	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.
Inhalation	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.
Notes to physician Treatment	Treat symptomatically. There is no specific antidote.

SECTION 5. FIRE FIGHTING MEASURES

Flash point	> 93.3 °C / 199.9 °F
Autoignition temperature	no data available
Lower Flammability Limit	no data available
Upper Flammability Limit	no data available
Explosiveness	no data available



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Suitable extinguishing media Water spray, Foam, Carbon dioxide (CO2), Dry chemical

Fire Fighting Instructions Avoid contact with spilled product or contaminated surfaces. Evacuate personnel to safe areas. 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.

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Methods for cleaning up 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.

Additional advice Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

SECTION 7. HANDLING AND STORAGE

Handling procedures Handle and open container in a manner as to prevent spillage. Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation. For personal protection see section 8.

Storing Procedures 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.

Work/Hygienic Procedures 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.



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- General Protection** Follow all label instructions. Train employees in safe use of the product.
- 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.
- Eye/Face Protection** Tightly fitting safety goggles
- Hand protection** Chemical resistant nitrile rubber gloves
- Body Protection** Wear long-sleeved shirt and long pants and shoes plus socks.
- 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.

Exposure Limits

Imidacloprid beta-Cyfluthrin	138261-41-3 68359-37-5	OES BCS*	TWA	0.7 mg/m3
		TX ESL	ST ESL	50 ug/m3
		TX ESL	ST ESL	50 ug/m3
		TX ESL	AN ESL	5 ug/m3
		TX ESL	AN ESL	5 ug/m3
Glycerine	56-81-5	OES BCS*	TWA	0.01 mg/m3
		ACGIH	TWA	10 mg/m3
		OSHA Z1	PEL	5 mg/m3
		OSHA Z1	PEL	15 mg/m3
		OSHA Z1A	TWA	5 mg/m3
		OSHA Z1A	TWA	10 mg/m3
		TX ESL	ST ESL	50 ug/m3
		TX ESL	AN ESL	5 ug/m3
			TWA	10 mg/m3
	TWA	5 mg/m3		

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** white to beige
- Physical State** suspension
- Odor** characteristic



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pH	ca. 6.9 (10 %)
Vapor Pressure	no data available
Vapor Density (Air = 1)	no data available
Density	1.16 g/cm ³
Evaporation rate	no data available
Boiling Point	no data available
Melting / Freezing Point	no data available
Partition coefficient: n-octanol/water	no data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	Extremes of temperature and direct sunlight.
Chemical Stability	Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Only acute toxicity studies have been performed on the formulated product. The non-acute information pertains to the technical-grade active ingredients, imidacloprid and beta-cyfluthrin, an enriched isomer mixture of cyfluthrin. Further toxicological information on technical-grade cyfluthrin can be obtained by calling the Product Information Number, which is listed in Section 1 of this MSDS.

Acute oral toxicity	female rat: LD50: > 1,044 mg/kg
Acute dermal toxicity	rat: LD50: > 2,000 mg/kg
Acute inhalation toxicity	rat: LC50: > 2.03 mg/l Exposure time: 4 h Determined in the form of liquid aerosol. highest concentration tested No deaths
Skin irritation	rabbit: slight irritation
Eye irritation	rabbit: Mild eye irritation.
Sensitisation	guinea pig: Non-sensitizing.
Chronic toxicity	Imidacloprid caused thyroid and/or liver effects in chronic dietary studies in rats and dogs.



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Cyfluthrin, a racemic mixture containing beta-cyfluthrin, caused no long term effects in rat, mice or dogs.

Assessment Carcinogenicity

Imidacloprid was not carcinogenic in studies in rats and mice.

Cyfluthrin was not carcinogenic in studies in rats and mice.

ACGIH

None.

NTP

None.

IARC

None.

OSHA

None.

Reproductive toxicity

REPRODUCTION: Imidacloprid was not a reproductive toxicant in a multi-generation study in rats.

Beta-Cyfluthrin was not a reproductive toxicant in a multi-generation study in rats.

DEVELOPMENTAL TOXICITY: Imidacloprid is not considered a primary developmental toxicant in rats and rabbits. Developmental effects were observed at doses that caused maternal toxicity.

Beta-cyfluthrin was not a primary developmental toxicant in rats. Developmental effects were observed but were considered secondary to maternal toxicity.

Neurotoxicity

Imidacloprid showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies in rats. There were no correlating morphological changes observed in the neural tissues.

Beta-cyfluthrin produced slight transient neurobehavioral effects in acute, subchronic and developmental neurotoxicity screening studies in rats. These effects occurred at the highest dose tested and without correlating morphological changes in the neural tissues.

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.

SECTION 12. ECOLOGICAL INFORMATION



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Environmental precautions Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance 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.

Container Disposal Follow advice on product label and/or leaflet. Do not re-use empty containers. Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

RCRA Information 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.

SECTION 14. TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1483

US Federal Regulations

TSCA list

Glycerine

56-81-5

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

1.0%

US States Regulatory Reporting



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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
Glycerine	56-81-5	IL, MN, RI

Canadian Regulations

Canadian Domestic Substance List

Glycerine	56-81-5
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Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

International Regulations

European Inventory of Existing Commercial Substances (EINECS)

Glycerine	56-81-5
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SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 1 Reactivity - 0 Others - none

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

Reason for Revision: Updated for general editorial purposes. The following sections have been revised:
Section 11: Toxicological Information.

Revision Date: 07/30/2010

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