

CYPER-LO EC

LOW ODOR INSECTICIDE

For control of listed subterranean and above ground insects in, on and around structures, including lawns and landscape uses. For Crack, Crevice and/or Spot application for residual and contact control of ants, carpenter ants, cockroaches, crickets, spiders and other listed insects

Active Ingredient:

Cypermethrin:¹ (±)a-cyano-(3-phenoxyphenyl)methyl(±)-*cis,trans*-3-(2,2-dichloroethenyl)-
2,2-dimethylcyclopropanecarboxylate*26.0%

Other Ingredients:.....74.0%

Total100.0%

¹Pyrethroid Insecticide

Contains petroleum distillates.

¹*Cis/trans* ratio: Min. 45% (±) *cis* and max. 55% (±) *trans*

Cyper LO contains 2 lbs. active ingredient per gal., formulated as an emulsifiable concentrate.

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted an detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 53883-278

EPA Est. No. 53883-TX-002

Net Contents: 16 FL. OZ. (1 PT.)

Formulated in the USA

Manufactured by:

Control Solutions, Inc.

5903 Genoa-Red Bluff

Pasadena, TX 77507

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN	
Contains petroleum distillate — vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
You may contact SafetyCall [®] International (866) 897-8050 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING/AVISO

May be fatal if swallowed. Causes skin irritation. Causes substantial but temporary eye injury. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing spray mist. Do not get in eyes or on skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water

after handling and before eating, drinking, chewing gum or using tobacco.

Personal Protective Equipment

All pesticide handlers (mixers, loaders, and applicators) must wear:

- a chemical-resistant apron or long-sleeved coveralls worn over a minimum of short-sleeved shirt and short pants,
- socks, chemical-resistant footwear,
- chemical-resistant gloves.
- protective eyewear (goggles and/or faceshield and/or shielded safety glasses with front, brow and temple protection)

Regular work shirts, pants, socks, shoes and waterproof gloves are sufficient after the product is diluted in accordance with label directions for use.

When working in a non-ventilated space, all pesticide handlers must wear:

- a respiratory protection device¹
- protective eyewear (goggles and/or faceshield and/or shielded safety glasses with front, brow and temple protection) for all pesticide handlers (mixers, loaders and applicators) when working in a non-ventilated space or when applying termiticide by rodding or sub-slab injection.

¹ Use one of the following:

- a NIOSH approved respirator with a N, R, P or HE filter
- a NIOSH approved respirator with an organic-vapor (OV) approved cartridge or canister with N, R, P or HE prefilter
- TC-19C (Supplied-air)
- TC-13F (Self-contained breathing apparatus-SCBA)

Environmental Hazards

This pesticide is extremely toxic to fish. Use with care when applying in areas adjacent to any body of water. 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.

This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply Cyper LO or allow it to drift to crops or weeds on which bees are actively foraging. Additional information may be obtained from your Cooperative Extension Service. Apply this product only as specified on this label.

Physical and Chemical Hazards

This product is combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

PRECAUTIONS AND RESTRICTIONS

- **For Application to Vinyl Siding**, prior to application, treat a small area on each side of the structure where weathering is most severe, allow to dry, and observe for staining. Some types of vinyl siding, particularly if aged or weathered, may show some staining after application of an emulsifiable concentrate product. To completely eliminate the potential risk associated with staining, it is suggested that a water-based product be used.
- Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application. Do not treat when raining or when rain is expected within 8 hours.
- For best results, thoroughly wash out sprayer and screen with water and detergent before using Cyper LO.
- Do not use water base sprays of Cyper LO in or on conduits, motor housings, junction boxes, switch boxes, or other live electrical equipment because of possible shock hazard.
- Remove pets, birds, and cover aquariums before spraying indoors.
- DO NOT APPLY THIS PRODUCT TO EDIBLE CROPS.
- Do not apply to pets, crops or sources of electricity.
- Do not allow people or pets on treated surfaces until the spray has completely dried.
- Do not use concentrate or emulsion in fogging equipment.
- In the home, all food processing surfaces and utensils in the treatment area should be covered during treatment or thoroughly washed before reuse.
- Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product.
- Do not allow spray to contact food, food stuffs, food contacting surface, food utensils or water supplies.

- Do not use in warehouses where raw or cured tobacco is stored.
- Do not use in warehouses while raw agricultural commodities for food or feed are being stored.
- During indoor surface application, do not allow dripping or run-off to occur. During any application to overhead interior areas of structure, cover surface below with plastic shielding or similar material.
- When using indoors, do not make a broadcast surface application to cover entire floors, carpets, or walls with product dilution. Indoor surface treatments with Cyper LO should be limited to no more than 20% of surface area.
- When applied at the recommended indoor rate (0.1%), Cyper LO will not cause damage to any painted or varnished surface, plastic, fabric or other surface, when water applied alone causes no damage.
- If applicator is within an enclosed area (non-ventilated) during application, wear PPE consistent with that described under **PRECAUTIONARY STATEMENTS, Personal Protective Equipment**.
- Do not apply this product in any rooms being used as living, eating, sleeping or recovery area by patients, the elderly or infirm when they are in the room.
- Do not apply to classrooms when in use.
- Do not apply to aircraft cabins.
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PEST CONTROL IN AND AROUND STRUCTURES

GENERAL INFORMATION

For residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include but are not limited to:

- industrial buildings, houses, apartment buildings, laboratories, buses, greenhouses
- the nonfood/feed areas of stores, warehouses, schools, nursing homes, hospitals (non-patient areas), restaurants, hotels, and food manufacturing, processing and servicing establishments, vessels, (ships, boats) railcars, trucks, trailers, aircraft (cargo and non-cabin areas only).

Do not use in commercial greenhouses or nurseries. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Do not use on food or feed crops.

Cyper LO is intended for dilution with water for spray application.

Fill sprayer with the desired volume of water and add Cyper LO. Close and shake before use in order to insure proper mixing. Shake or re-agitate sprayer before use if spraying is interrupted. Make up only as required; repeat treatments when needed.

KEEP CHILDREN AND PETS OFF TREATED SURFACES UNTIL DRY

APPLICATION INSTRUCTIONS

USE RATES:

Pests	Dilution Rate
Ants Asian Cockroaches Boxelder Bugs Carpenter Ants Carpenter Bees Centipedes Chiggers ^{b,c} Cockroaches (Maintenance) Crickets Earwigs Elm Leaf Beetle Firebrats Fleas ^b Flies ^a Ground Beetles Millipedes Mosquitoes ^b Pillbugs Silverfish Sowbugs	1/2 fl. oz. (1 Tbsp.) Per 1 gal. water (0.1% active ingredient)
Bees Cockroaches (Clean-out) Scorpions Spiders Ticks Wasps Wood Infesting Beetles	1 fl. oz. (2 Tbsp.) Per 1 gal. water (0.2% active ingredient)

^a Not for indoor use in California.

^b Outdoor use only.

^c Not approved for use in California.

INDOOR USE

For crack and crevice and/or spot application for residual and contact control of ants, carpenter ants, cockroaches, crickets, spiders and certain other insect pests.

Cockroaches, Spiders, Crickets, Scorpions, Silverfish, Ticks and Firebrats

Apply as a crack and crevice or spot application to areas where these pests hide, such as baseboards, corners, storage areas, closets, around water pipes, doors and windows, attics and eaves, behind and under refrigerators, cabinets, sinks, furnaces, and stoves, the underside of shelves, drawers and similar areas. Also see **Outdoor Surfaces and Around Buildings**.

Ants

Apply to any trails, around doors and windows and similar areas where ants (including carpenter ants) may be found. Refer to barrier treatment directions to prevent infestation; also see **Outdoor Surfaces and Around Buildings**.

Wasps and Bees

Application to nests should be made late in evening when insects are at rest. Thoroughly spray nest and entrance and surrounding areas where insects alight; also see **Outdoor Surfaces and Around Buildings**.

Boxelder Bugs, Sowbugs, Pillbugs, Millipedes, Elm Leaf Beetle and Centipedes

Apply around doors and windows and similar areas where these pests may be found or where they may enter premises. Spray baseboards, storage areas and other locations. Refer to barrier treatment directions to prevent infestation; also see **Outdoor Surfaces and Around Buildings**.

Flies

Apply directly to walls, ceilings, window screens, and other fly resting areas as a residual surface treatment. May be used inside residential buildings as well as in and around carports, garages, and storage sheds; also see **Outdoor Surfaces and Around Buildings**.

Scorpions

Treat and remove accumulations of lumber, firewood, and other materials which serve as harborage sites. Apply as a coarse spray thoroughly but not to the point of drip; also see **Outdoor Surfaces and Around Buildings**.

FOOD HANDLING ESTABLISHMENTS (Places other than private residences in which food is held, processed, prepared or served.)

Nonfood Areas

Cyper LO may be used as a general, spot or crack and crevice treatment in nonfood areas. Similar areas where insects hide or through which insects may enter should be treated. Examples of nonfood areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

Food Areas

Cyper LO is not labeled for use in food areas. Do not use in food areas of food handling establishments. Food areas of food handling establishments include areas for receiving, serving, storage (dry, cold, frozen, raw), packaging (Canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups).

OUTDOOR USE

Under Slabs

Infestations of arthropods, such as ants, cockroaches and scorpions inhabiting under slab areas may be controlled by drilling and injecting or horizontal rodding and injecting, 1 gal. of 0.25%-0.5% emulsion/10 sq. ft. or 2 gal. of emulsion/10 lin. ft. Product may also be applied through under-structure insecticidal delivery systems such as piping or flexible tubing mounted under the structure. This treatment is not intended as a substitute for termite control.

In Crawl Spaces

Broadcast Cyper LO as a 0.25% to 0.5% emulsion to all surfaces in crawl spaces to control ants, fleas, cockroaches, scorpions, or other arthropods. Product may also be applied through under-structure insecticidal delivery systems such as piping or flexible tubing mounted under the structure. This treatment is not intended as a substitute for termite control. Treat surfaces thoroughly, but not to point of runoff.

Outdoor Surfaces and Around Buildings

Apply Cyper LO as a 0.1% emulsion as a residual treatment to outside surfaces of buildings including, but not limited to, exterior siding foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns or grass areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential structures, commercial, industrial and institutional buildings. Application may be made to

soil, trunks of woody ornamentals or other areas where pests congregate or have been seen. Base need for retreatment upon monitoring for pest presence. See **DIRECTIONS FOR USE: Caution on application to vinyl siding.**

Barrier Treatment For Pests Around Structures

Apply Cyper LO as a 0.1% emulsion to a band of soil and vegetation 6-10 ft. wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2-3 ft. Use a treatment volume of 2-10 gal. per 1000 sq. ft. Higher volumes of water may be needed if mulch or leaf litter is present or dense foliage exists. House siding may be treated if boxelder bugs, elm leaf beetles, earwigs, silverfish or other similar pests are present. See **DIRECTIONS FOR USE: Caution on application to vinyl siding.**

LAWN AND LANDSCAPE PEST CONTROL

Pest	Specific Instructions and Recommended Use Rates
Chinch Bugs ¹ Mole Crickets ¹ Fleas Ticks	For residential lawns, apply Cyper LO at the rate of 0.33-0.65 fl. oz. per 1000 sq. ft. in a volume of water sufficient for uniform coverage such as 3-20 gal. Use the lower rate to knock down pests and the higher rate where faster knockdown or greater residual is desired. Lawn should not be longer than 3 inches at the time of application. Base need for retreatment upon monitoring for pest presence. Application in combination with compatible surfactants may enhance penetration. Arid climates generally require the higher volume. For example refer to Lawn Application Dilution Table.
Ants Ant Mounds ¹ Fire Ants ¹	Drench Method (Ant Mounds, Fire Ants): Apply 1-2 gal. of 0.1% Cyper LO emulsion to each mound area by sprinkling the mound until it is wet. Treat a 2 ft. diameter circle around the mound. For mounds larger than 12 inches, the higher volume and wider treatment diameter (up to 4 ft.) may be needed. For best results, apply in cool weather, such as in early morning or late evening

	hours, but not in the heat of the day.
Bark Beetles Borers Boxelder Bugs Elm Leaf Beetles Gypsy Moths (adults & caterpillars) ¹	To control Boxelder Bugs, Elm Leaf Beetles, Gypsy Moth Caterpillars, apply Cyper LO as a 0.1% emulsion. Spray tree trunks, building siding or wherever pests congregate, thoroughly, but not to the point of runoff. Borers and Bark Beetles: To prevent infestation of trees and woody ornamentals, spray the bark, thoroughly, but not to the point of runoff using a 0.1% Cyper LO emulsion.

¹ Not approved for use in California

LAWN APPLICATION DILUTION TABLE: Cyper LO rate (oz.) for 100 gal. according to volume of application.

Example: For a Chinch bug application at the rate of 0.65 oz. per 1000 sq. ft. of lawn, using 5 gal. of solution per 1000 sq. ft. of lawn, use 13 oz. of Cyper LO in a 100 gal. tank. (1 fl. oz. equals 30 ml.).

Volume per 1000 ft ²	Amount of Cyper LO		
	0.33 oz./1000 ft. ²	0.5 oz./1000 ft. ²	0.65 oz./1000 ft. ²
5 gal.	6.5 oz.	10.0 oz.	13.0 oz.
8 gal.	4.0 oz.	6.5 oz.	8.0 oz.
10 gal.	3.5 oz.	5.0 oz.	6.5 oz.
15 gal.	2.0 oz.	3.5 oz.	4.5 oz.
20 gal.	1.5 oz.	2.5 oz.	3.5 oz.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Storage: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency,

or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling: Nonrefillable containers. Do not reuse or refill container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities. Triple rinse as follows:

Non-refillable container less than or equal to 5 gallons: 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.

Non-refillable container greater than 5 gallons: 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. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Refillable container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing process two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking containers.

WARRANTY STATEMENT

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control

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