

45385-99

07-12-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 12, 2011

Ms. Sharon M. Johnston,  
Regulatory Consultant for  
CTX-Cenol, Inc.  
c/o RegGuide  
509 Tower Valley Drive  
Hillsboro, MO 63050-1216

**Subject: Revised Labeling; Updates for Permethrin RED  
Cenol 0.5% Multipurpose Insecticide, EPA Reg. No. 45385-99  
Your Submission Dated June 15, 2011**

Dear Ms. Johnston:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following provision(s):

Environmental Hazards Statement section comment(s):

1. To facilitate inclusion of language from the RED for permethrin, you must"
  - Revise the 1<sup>st</sup> sentence to read "This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates."
  - Insert the following text as a new 2<sup>nd</sup> paragraph within this section as follows: "This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area."

A copy of your label stamped "Accepted with Comments" is enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

If you have any questions about this label review, please contact Mr. Carmen Rodia at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,

A handwritten signature in black ink, appearing to read "Richard J. Gebken".

Richard J. Gebken,  
Product Manager (10)  
Insecticide Branch,  
Registration Division (7504P)

Enclosure: Copy of label stamped "Accepted with Comments"

045385-00099 D450922

## Cenol 0.5% Multipurpose Insecticide

- FOR USE BY HOMEOWNERS, PEST CONTROL OPERATORS OR COMMERCIAL APPLICATORS
- READY-TO-USE
- A READY-TO-USE PERMETHRIN STABLE EMULSION INSECTICIDE TO KILL INSECTS AS LISTED FOR OUTDOORS, IN HOMES AND NON-FOOD AREAS OF FOOD/FEED PROCESSING ESTABLISHMENTS, KENNELS, COMMERCIAL BUILDINGS, WAREHOUSES, THEATERS, OFFICE BUILDINGS, SCHOOLS, MOTES AND HOTELS.
- PROTECTS TRAVEL LUGGAGE from "PICK UP" of BEDBUGS, SPIDERS, COCKROACHES and other LISTED INSECTS
- FOR KILL AND CONTROL OF LFEAS, BROWN DOG TICKS, AND LICE ON PREMISES AND ON DOGS.
- FOR CONTROL OF TICKS WHICH MAY CARRY LYME DISEASE.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
- ALSO FOR TREATMENT OF CLOTHING, TENTS, CAMPING GEAR AND: MOSQUITO NETTING, NETS, OUTSIDE OF SLEEPING BAGS, PACKPACKS AND GROUND CLOTHS.

<b>Active Ingredient:</b>		
Permethrin (CAS# 52645-53-1)	.....	0.50%
<b>Other Ingredients:</b>	.....	<u>99.50%</u>
Total	.....	100.00%

EPA Reg. No. 45385-99      EPA Est. No.

Keep Out of Reach of Children

**CAUTION**

See side [back] panel(s) for additional precautionary statements.

CTX-Cenol, Inc.  
P.O. Box 472  
Twinsburg, OH 44087

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:

*July 12, 2011*

Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:

45385-99

Net Contents:

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**CAUTION:** Wash thoroughly after handling and before smoking or eating.

<b>FIRST AID</b>	
<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 by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in Eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on Skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have this product container or label with you when calling a poison control center or doctor or when going for treatment.</p>	
<p><b>HOTLINE:</b> You may also call 1-800-858-7378 for emergency medical treatment advise.</p>	

**Environmental Hazards**

This product is toxic to fish and other aquatic organisms. ~~Do not apply directly to water, to areas where surface water is present or to intertidal areas below the high water mark. Do not contaminate water when disposing of equipment washwaters.~~ 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.

**Physical and Chemical Hazards**

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not allow product to freeze.

**DIRECTIONS FOR USE**

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

Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before space spraying or surface applications. Do not use on humans. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until surfaces are dry.

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.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

**SHAKE WELL BEFORE USING**

Ready-to-Use and apply for most uses with the attached sprayer.

For travelers who want to protect their luggage from "picking up" of bed bugs, spiders, cockroaches and other listed insects, spray the outer and inner surfaces of luggage with a light spray mist of this product. Allow the luggage to completely dry before use.

#### **INDOOR APPLICATION**

Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed. Cover items that might water stain. Non-food/feed areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, office, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). Vacate treated areas and ventilate before reoccupying. For maximum effectiveness, a combination of spot surface treatment and fogging is recommended. Do not apply to classrooms while in use.

#### **SURFACE SPRAYING**

**TO KILL and CONTROL COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIRE BRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES:** Direct the spray into hiding places, cracks and crevices and behind shelves and drawers. For silverfish, spray bookcases. For ants, spray trails, nests and points of entry.

**TO CONTROL CARPET BEETLES:** Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving.

**TO CONTROL BED BUGS:** Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floor. Repeat treatment as needed. Allow all treated articles to thoroughly dry before use.

**TO CONTROL FLEAS (ADULT AND LARVAE) AND TICKS, INCLUDING TICKS WHICH MAY CARRY LYME DISEASE (ADULTS AND LARVAE):** Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Allow to dry thoroughly before allowing pests to contact treated areas.

**TO CONTROL CLOTHES MOTHS:** Remove any infested articles from storage, brush thoroughly and air for several hours in sun light, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining. Allow all treated articles to dry thoroughly before use.

**TO KIL LICE AND LOUSE EGGS:** Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Allow all treated articles to dry thoroughly before use.

#### **SPACE SPRAYING**

Close all doors and windows and shut off ventilating systems. Apply with a good machine adjusted to deliver a fine mist or fog. For rapid control of House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Black Flies, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths and Tobacco Moths: Direct spray at an upward angle, distributing it uniformly throughout the entire area at a rate of 1 ounce per 1,000 cubic feet of space. Keep area closed for 2 hours. Ventilate before reoccupying.

**INDOOR FOGGING:** to kill exposed or accessible stages of the above named insects, use a rate of 1 quart to 1 gallon for 10,000 to 40,000 cubic feet of space. Contact insects directly when possible. Keep area closed for 2 hours. Thoroughly ventilate before reoccupying.

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## PEST CONTROL ON LIVESTOCK

To protect cattle (beef and dairy), goats, sheep, hogs and horses from: Horn Flies, Face Flies, House Flies, Mosquitoes and Gnats: Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO KILL and CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOOD SUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide.

## FOR USE ON DOGS

To kill and control Fleas, Ticks and Lice: Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Use protective gloves or mitts when applying product. Repeat application every two weeks, if necessary. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Do not use on dogs under 12 weeks of age.

Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. DO NOT USE ON CATS OR KITTENS.

## OUTDOOR APPLICATION

Do not water the treated area to the point of run-off. Do not make applications during rain.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses: 1) Treatment to soil or vegetation around structures; 2) Applications to lawns, turf and other vegetation; 3) Applications to building foundations, up to a maximum height of 3 feet. Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications only.

TO CONTROL TICKS, INCLUDING TICKS WHICH MAY CARRY LYME DISEASE (PERIMETER TREATMENT): Use this product as a residual treatment to control Ticks, including the Deer Tick (*Ixodes dammini*), Lone Star Tick, (*Amblyomma americanum*), Brown Dog Tick (*Rhipicaphalus sanguineus*), American Dog Tick (*Dermacentor variabilis*) and Western Black-legged Tick (*Ixodes pacificus*). For each area listed below, apply until surface is wet. (1/2 to 1 gallon for 750-1,000 sq. ft.)

Treat around windows and doors, porches, screens, eaves, patios, garages, under stairways and in crawl spaces where these pests may enter. Treat a band of vegetation and leaf litter 6 to 10 feet wide around the outside of buildings to help control ticks occurring there. To help control ticks in outdoor activity areas, treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

FOR CONTROL OF FLOWER GARDEN INSECTS: For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray as well as White Flies, Aphids, Exposed Thrips, Spiders, Red Mites and Leafminers. May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas. May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuchsia, geraniums, crassula, grape vines, kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias. EFFECTIVE WHEN USED AS DIRECTED AGAINST WHITE FLIES, APHIDS, SPIDER AND RED MITES, EXPOSED THRIPS, LACE BUGS, JAPANESE BEETLES, PAVEMENT ANTS, CLOVER MITES AND ARMYWORMS. When spraying plants, do not operate closer than 18 inches. Use a sweeping motion. Be

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cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

**CAMPING EQUIPMENT: MOSQUITO NETTING, NETS, TENTS, outsides of SLEEPING BAGS, BACKPACKS AND GROUND CLOTHS**

For residual protection against ticks, chiggers and mosquitoes, treat camping equipment as follows:

**SHAKE WELL BEFORE USING.** This product should not be applied to clothing while it is being worn. Under NO circumstances should bare skin or clothing on the body be treated. Do not spray directly on or otherwise allow it to come in contact with skin, face or eyes. This product is to be used as a clothing and gear treatment only. In case of accidental spraying of skin, face or eyes, see FIRST AID below. Make all applications outdoors.

For six-week protection against ticks, chiggers and mosquitoes, select an outdoor area protected from the wind. Spray outer surfaces of clothing only (while not being worn) with a slow sweeping motion to lightly moisten the surface of the fabric, holding arm at a distance of 6 to 8 inches. (A complete outfit consists of shirt, trousers and socks.) Treat outside of each item of clothing for a minimum of 30 seconds on each side and allow 2 hours (4 hours under humid conditions) to dry prior to being worn. Pay particular attention to socks, trouser cuffs and shirt cuffs. Treatment should moisten the surface of the fabric enough to cause a slight color change. Use approximately 2 to 3 ounces of this container to treat the outsides of one complete set of clothing. Use remainder on gear. Follow normal laundering procedures weekly. Reapply after six weeks and sixth laundering.

In heavily infested areas, protection from ticks and chiggers will be improved by either wearing the cuffs inside footwear or taping pant cuffs around legs. Protection from mosquitoes can be further enhanced by applying an EPA approved repellent, as directed, to face, hands and other exposed areas of the body.

Do not treat inside of sleeping bag. Spray exterior surfaces of tent only. Select a well-ventilated outdoor area protected from wind and lay out gear to be treated. Hold container upright about 6 to 8 inches from surface of the article and spray with a slow sweeping motion to lightly moisten the surface of the fabric. Continue spraying over entire article until the outer surface of the article is moist enough to cause a light color change (darkening). Turn the article over and treat the other side. Hang treated gear and allow to dry for at least 2 hours (4 hours under humid conditions) before using. Do not retreat gear more than once every six weeks.

**Storage and Disposal**

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**Pesticide Storage:** Store this product in its original container in a dry, cool, secured area out of reach of children and pets.

**Product Disposal:** As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used carefully following label directions and precautions.

**Container Disposal:** If Empty: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling, if available. If Partly Filled: Call your local waste agency or 1-800-253-2687 for disposal instructions. Never place unused product down any indoor or outdoor drain.

**SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay, etc. sweep up and dispose of material according to PRODUCT DISPOSAL above.

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

**NOTICE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.

Product Batch Code No. \_\_\_\_\_