



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 25, 2025

Sharon M. Johnston  
Regulatory Consultant  
CTX-Cenol, Inc.  
1393 E. Highland Road to:  
Twinsburg, OH 44087

Subject: Label Amendment - Registration Review Mitigation for Permethrin  
Product Name: Cenol Insect Killer RTU  
EPA Registration Number: 45385-102  
Case Number: 477785  
Application Dates: February 3, 2021

Dear Sharon M. Johnston:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Permethrin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for

shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Michelle Nolan via email at [nolan.michelle@epa.gov](mailto:nolan.michelle@epa.gov).

Sincerely,

A handwritten signature in dark ink, appearing to read "Kevin Costello". The signature is written in a cursive, flowing style.

Kevin Costello, Branch Chief  
Risk Management and Implementation Branch 2  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

**ACCEPTED**

Sep 25, 2025

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 45385-102

Permethrin ID Amendment: 02/03/2021  
45385-102: Page 1

MASTER LABEL

## {Professional Use Label}

### CENOL INSECT KILLER RTU

{Note: One of the following use statements will be used depending on use sites on the final container label}

FOR BOTH INDOOR & OUTDOOR USE  
FOR INDOOR USE ONLY  
FOR OUTDOOR USE ONLY

#### {Alternate Brand Names:}

Cenol Liquid Kills Bed Bugs Plus  
Cenol Kills Ants Plus  
Cenol Kills Roaches Plus  
Cenol Kills Fleas Plus  
Cenol Kills Ticks Plus  
Cenol Kills Lice Plus  
Cenol Kills Luggage Pests  
Cenol Kills Bed Bugs, Lice & Dust Mites On Luggage  
Bud's Bug Buster  
Cenol Bug Killer For Boats  
Black Bart's Bug Buster For Boats  
Black Beard's Bug Buster For Boats

Cenol RTU Kills Bed Bugs Plus  
Cenol Kills Mosquitoes Plus  
Cenol Kills Cockroaches Plus  
Cenol Kills Flies Plus  
Cenol Kills Dust Mites Plus  
Cenol Kills Spiders Plus  
Benji's Bug Buster  
Cenol Bug Killer For Yachts  
Black Bart's Bug Buster For Yachts  
Black Beard's Bug Buster For Yachts

{See last page for alternate front panel bullets}

#### ACTIVE INGREDIENTS:

Pyrethrins..... 0.15%  
Piperonyl Butoxide\* .....0.75%  
Permethrin\*\* .....0.30%

OTHER INGREDIENTS: ..... 98.80%  
100.00%

\* (butyl carbityl)(6-propylpiperonyl) ether and related compounds.

\*\*Cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 45385-102

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

See Side/Back Panels for Additional Precautions

**NET CONTENTS:** \_\_\_\_ fl. oz. [or pt. qt., gal.]

## MASTER LABEL

### PRECAUTIONARY STATEMENTS

#### Hazards To Humans & Domestic Animals

##### CAUTION

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers, must wear the following:

- Long-sleeved shirt
- Long pants
- Shoes plus socks
- Water-proof Gloves

##### User Safety Requirements:

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

[Products used exclusively indoors may omit the Environmental Hazards Statement.]

#### [Environmental Hazards

[This product is extremely toxic to aquatic organism, including fish and invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean watermark. Do not apply when weather conditions favor drift from treated area. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater.

This pesticide is highly toxic to bees and other pollinating insects 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 or other pollinating insects are foraging the treatment area.]

#### Physical and Chemical Hazards

Do not use on electrical equipment or on surfaces that can be harmed or stained by water.

### DIRECTIONS FOR USE

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

#### Use Restrictions

- Except when applying to clothing, do not enter or allow others to enter until vapors, mists and aerosols have dispersed, sprays have dried and the treated area has been thoroughly ventilated.
- Except when applying to clothing, do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during applications.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mist have dispersed.
- Do not apply as a broadcast treatment to indoor surfaces at residential sites, including nurseries, day care centers, schools, hospitals, and nursing homes.

## MASTER LABEL

- For articles: Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried.
- Dry clean treated clothes before wearing.
- Remove pets, birds and cover any water inhabited by fish (such as aquariums and ornamental fish ponds) before application. Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.
- Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly into sewers or storm drains, or to any area like a drain or 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 allow to enter indoor or outdoor drains. (No permita la entrada a desagües internos o externos.)



- Not for use in outdoor residential mosquito misting systems.
- Application as a surface spray, crack and crevice or spot spray: Remove or cover exposed food and water before application. Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them thoroughly before use. Do not apply more than 1 time per day.
- Application as a space spray: Do not apply more than 1 time per day.
- In the home, cover all dishes, utensils, food processing surfaces and equipment during treatment or thoroughly wash before use.
- Do not use in food areas of food handling establishments, restaurants, or other areas where food 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.
- May be applied in non-food/feed areas. Non-food/feed establishment areas are areas such as garbage rooms, lavatories, entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after canning or bottling).
- Commercial food/feed areas where the product cannot be used include areas for receiving, serving, storage (Dry, Cold, Frozen, Raw), packaging (Cleaning, Slicing, Cooking, Grinding), edible, waste storage, enclosed processing systems (Mills, Dairies, Edible Oils, Syrups).
- Do not use in aircraft.

*[Product labeled for indoor uses only may omit the following text:*

- For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- All outdoor spray applications must be limited to spot or crack-and-crevice treatments only except for the following permitted uses:
  - Application to pervious surfaces such as soil lawn, turf, and other vegetation.
- Spot treatments must not exceed two square feet in size (e.g., 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).

## MASTER LABEL

- Crack & Crevice Treatments: Treat surfaces to ensure thorough coverage but avoid runoff. To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.
- Do not apply or irrigate to the point of run-off.
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.]

### SHAKE WELL BEFORE USING

{For trigger spray bottles} Unless otherwise noted, hold container upright and spray from a distance of 12 to 15 inches. {For non-trigger spray containers} Transfer product to compressed air or non-thermal mechanical application equipment. Hold nozzle at a distance of 12 to 15 inches unless otherwise noted in the directions for use.

When treating surfaces and fabrics where water alone could stain, spray in an inconspicuous area to test for possible staining or discoloration.

### INDOORS:

**Houseflies, Fruit Flies, Mosquitoes, Gnats, Wasps, Hornets, Bees, Black Flies, Skipper Flies, and Small Flying Moths:** Close all doors and windows and ventilating systems. Using non-thermal mechanical or compressed air equipment adjusted to deliver a fine mist, direct spray upward into center of room with a slow sweeping motion. Apply 1 oz. per 1000 cubic feet of space. Direct spray to all parts of the room, especially windows and other light sources which attract these insects. Keep nozzle in constant motion. Leave room and keep area closed for 15 minutes after spraying. Sweep up and discard fallen insects.

**Cockroaches, Waterbugs, Palmetto Bugs, Silverfish, Firebrats, Crickets, Scorpions, Spiders, Millipedes, Centipedes, Sowbugs and Pillbugs:** Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray whenever possible.

**Ants:** Spray trails, nests and points of entry. Spray on ants where possible.

**Angoumois Grain Moths:** Close doors and windows, direct spray into all parts of room especially around stored food product containers, pallets and darkened areas. Apply 1 oz. for each 1000 cubic feet of space, moving toward the door. Leave room and keep area closed for 15 minutes following treatment.

EXPOSED STAGES OF **Confused Flour Beetles, Saw-Toothed Grain Beetles, Red Flour Beetles, Rice Weevils, Granary Weevils, Grain Mites:** Spray into cracks and crevices, processing and handling equipment, around cartons or containers or other areas where these insects tend to congregate. Keep area closed for 45 minutes to 1 hour after treatment.

**Carpet Beetles:** Apply as a spot treatment to 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. Repeat treatment as needed.

TO KILL **Bed Bugs:** Apply as a spot treatment to cracks and crevices, around baseboards, floorboards, bed boards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor bed bugs, concentrating on tufts, folds and seams. Allow treated articles to thoroughly dry before use. Repeat after 4 weeks if necessary. **To treat beds:**

## MASTER LABEL

Disassemble the bed frame and remove bedding. Do not apply to bedding. Wash bedding and dry using high heat to kill bed bugs. Apply this product to the bed frame, mattress and box spring. Application to mattresses and box springs is for treatment of seams, edges and tufts only. Do not saturate the mattress or box spring. Do not treat the entire surface of the mattress or box spring. Allow the spray to dry before using the mattress and/or box spring. Also apply the product to cracks and crevices in sleeping area. Make spot treatment to baseboards, behind pictures/wall hangings, along and underneath carpet edges and to other infested articles/furniture in the bedroom or sleeping area. Do not apply to stuffed animals or toys. **To treat luggage:** Remove contents and spot treat areas that may harbor bed bugs, concentrating on corners, pockets and seams.

**TO CONTROL *Clothes Moths* and *Carpet Beetles*** on wool and other proteinaceous fibers: Remove infested articles from storage, brush thoroughly, and air for several hours in sunlight, 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 by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining. Allow all sprayed articles to dry thoroughly before use.

**Fleas & Ticks (Adults and Larvae):** Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters and bed then spot treat floor and floor covering, with special attention to cracks and crevices around baseboards, window and door frames. Place fresh bedding in animal quarters following treatment. Allow to dry thoroughly before allowing pets to contact treated areas. Do not retreat in less than 60 days.

**TO KILL *Lice* and *Louse Eggs*:** Apply as a spot, crack & crevice treatment. Spray from a distance of 8 to 10 inches. Spray only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying. Allow all treated articles to dry thoroughly before use.

**TO KILL [CONTROL] [*House*] *Dust Mites*:** This product controls house dust mites that may cause asthma, hay fever, rhinitis, watery eyes and sneezing. **On Upholstered Furniture and Drapes** – test fabric in an inconspicuous area to insure dyes will not bleed. Apply as a spot, crack & crevice treatment to fabric surfaces paying particular attention to tufts and seams. Spray until damp. Do not use on delicate fabrics. Allow furniture to dry thoroughly before using. **On Carpets** – DO NOT APPLY AS A BROADCAST SPRAY AT RESIDENTIAL SITES, in these sites apply only as a spot, crack & crevice treatment. Use an overlapping pattern to insure total coverage. After application, brush the surface of the carpet with a broom or brush to insure deep penetration. Allow carpet to dry thoroughly before reentering the treated area. Drying time can be accelerated by using a fan. Leave room while fan is in use until carpet is dry. **On Mattresses** – spray the sides of mattresses until damp, paying particular attention to tufts and seams. Allow to dry thoroughly before using.

### OUTDOORS:

Point spray nozzle away from face. Hold container on slight downward angle. For best results, spray when air is calm. Allow a few minutes for product to take effect.

**Mosquitoes:** Apply to shrubbery and vegetation where mosquitoes may rest. Give special attention to breeding areas such as garbage cans and compost piles. Do not apply when the wind speed is greater than 15 mph.

**Wasp Nests:** Thoroughly spray directly on insects and their nests. Apply in late evening when insects are at rest. Spray into hiding and breeding places, under eaves, in cracks or holes contacting as many insects as possible.



## MASTER LABEL

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry area away from heat or open flame. Do not transport or store below 32°F. Protect from freezing.

**Pesticide Disposal:** Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options. 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 Handling:** Non-refillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### 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. 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 CTX-Cenol, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CTX-CENOL, INC. 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 CTX-Cenol, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, CTX-Cenol, Inc. 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 VALENT BIOSCIENCES CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

[OR

Note [Notice]: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, seller shall have no liability for consequential damages.

OR



## MASTER LABEL

NOTICE: To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.]

### **CTX-Cenol, Inc.**

1393 E. Highland Road  
Twinsburg, OH 44087

{Alternate Front Panel Bullets}

- ***[Can Be Used In Non-Food/Feed Areas Of Food/Feed Processing Plants And Official Establishments Operating Under The Meat, Poultry, Shell Egg Grading And Egg Products Inspection Programs***
- ***Kills On Contact***
- ***For Commercial Use***
- ***A Broad Spectrum Insecticide Highly Effective Against Ants, Bees, Beetles (Including Carpet, Flour and Grain), Centipedes, Cockroaches, Crickets, Firebrats, Fleas, Millipedes, Moths, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, Wasps, And Other Pests Listed On The Label***
- ***Kills Bed Bugs, Cockroaches, Ants, Dust Mites, Fleas, Ticks and other Pests Listed on the Label***
- ***Kills Houseflies, Fruit Flies, Mosquitoes, Gnats, Wasps, Hornets, Bees, Black Flies, Skipper Flies and Small Flying Moths***
- ***Kills Lice And Their Eggs***
- ***Kills [Controls] [House] Dust Mites***
- ***Kills Bed Bugs***
- ***For Use On Bedding, Furniture, Luggage And Other Inanimate Objects Infested With [Bed Bugs] [Dust Mites] Lice***
- ***Non-Staining • No Unpleasant Odor***
- ***Water-Based Formula***
- ***For Use On Premises To Control Fleas And Ticks***
- ***Long-Lasting Control of [Keeps on Killing] [Up to 4-Week Control of ] [Protects For Up to 4 Weeks against] ants, cockroaches, fleas, waterbugs, bed bugs, crickets, silverfish, firebrats, millipedes, centipedes, scorpions, spiders, sowbugs, pillbugs, houseflies, mosquitoes, gnats, Angoumois grain moths, small flying moths***
- ***Keeps Killing [ants, cockroaches, fleas, waterbugs, bed bugs, crickets, silverfish, firebrats, millipedes, centipedes, scorpions, spiders, sowbugs, pillbugs, houseflies, mosquitoes, gnats, Angoumois grain moths, small flying moths] for [Up to 4] Weeks***
- ***Provides 180-Day [6-Months] Control of Roaches [Including German & American Cockroaches] on Non-Porous Surfaces***
- ***Provides 60-Day (2-Months) Control of Fleas [Stored Product Pests]***

MASTER LABEL

{Homeowner Use Label}

**CENOL INSECT KILLER RTU**

{Note: One of the following use statements will be used depending on use sites on the final container label}

FOR BOTH INDOOR & OUTDOOR USE  
FOR INDOOR USE ONLY  
FOR OUTDOOR USE ONLY

{Alternate Brand Names:}

Cenol Liquid Kills Bed Bugs Plus  
Cenol Kills Ants Plus  
Cenol Kills Roaches Plus  
Cenol Kills Fleas Plus  
Cenol Kills Ticks Plus  
Cenol Kills Lice Plus  
Cenol Kills Luggage Pests  
Cenol Kills Bed Bugs, Lice & Dust Mites On Luggage  
Bud's Bug Buster  
Cenol Bug Killer For Boats  
Black Bart's Bug Buster For Boats  
Black Beard's Bug Buster For Boats

Cenol RTU Kills Bed Bugs Plus  
Cenol Kills Mosquitoes Plus  
Cenol Kills Cockroaches Plus  
Cenol Kills Flies Plus  
Cenol Kills Dust Mites Plus  
Cenol Kills Spiders Plus  
Cenol Kills House Insects & Flies  
Cenol Kills Home Insects & Flies  
Benji's Bug Buster  
Cenol Bug Killer For Yachts  
Black Bart's Bug Buster For Yachts  
Black Bart's Bug Buster For Yachts

{see last page for alternate front panel bullets}

**ACTIVE INGREDIENTS:**

Pyrethrins..... 0.15%  
Piperonyl Butoxide\* .....0.75%  
Permethrin\*\* .....0.30%

**OTHER INGREDIENTS:** ..... 98.80%  
100.00%

\* (butyl carbityl)(6-propylpiperonyl) ether and related compounds.

\*\*Cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

**EPA REG. NO. 45385-102**

**EPA EST. NO.**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Side/Back Panels for Additional Precautions**

**NET CONTENTS:** \_\_\_\_\_ fl. oz. (or pt., qt., gal.)

## MASTER LABEL

### PRECAUTIONARY STATEMENTS

#### Hazards To Humans & Domestic Animals

##### CAUTION

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long-sleeved shirt, long pants, socks and shoes. Remove and wash contaminated clothing before reuse.

*[Products used exclusively indoors may omit the Environmental Hazards Statement.]*

#### **[Environmental Hazards]**

[This product is extremely toxic to aquatic organism, including fish and invertebrates. 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.]

This pesticide is highly toxic to bees and other pollinating insects 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 or other pollinating insects are foraging the treatment area.]

#### **Physical and Chemical Hazards**

Do not use on electrical equipment or on surfaces that can be harmed or stained by water.

### DIRECTIONS FOR USE

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

#### **Use Restrictions**

- [Except when applying to clothing, do not allow adults, children or pets enter the treated area until mists have dispersed and sprays have dried.]
- [Except when applying to clothing do not apply this product in a way that will contact adults, children or pets, either directly or through drift.]
- Do not apply as a broadcast treatment to indoor residential surfaces.
- Application as a space spray: Do not apply more than 1 time per day.
- For articles: Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried.
- Dry clean treated clothes before wearing.
- Remove pets, birds and cover any water inhabited by fish (such as aquariums and ornamental fish ponds) before application. Turn off aquarium filtering systems before spraying and wait approximately 15 minutes after application before turning the filter back on.
- Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly into sewers or storm drains, or to any area like a drain or 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 allow to enter indoor or outdoor drains. (No permita la entrada a desagües internos o externos.)



## MASTER LABEL

- Not for use in outdoor residential mosquito misting systems.
- Remove or cover exposed food and water before application. Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them thoroughly before use. Do not apply more than 1 time per day.
- Cover all dishes, utensils, food processing surfaces and equipment during treatment or thoroughly wash before use.

*[Product labeled for indoor uses only may omit the following text:*

- For soil or foliar applications, do not apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- All outdoor spray applications must be limited to spot or crack-and-crevice treatments only except for the following permitted uses:  
Application to pervious surfaces such as soil lawn, turf, and other vegetation.
- Spot treatments must not exceed two square feet in size (e.g., 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).
- Crack & Crevice Treatments: Treat surfaces to ensure thorough coverage but avoid runoff. To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.
- Do not apply or irrigate to the point of run-off.
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.]

## SHAKE WELL BEFORE USING

Unless otherwise noted, hold container upright and spray from a distance of 12 to 15 inches.

When treating surfaces and fabrics where water alone could stain, spray in an inconspicuous area to test for possible staining or discoloration.

### INDOORS:

**Houseflies, Mosquitoes, Gnats, and Small Flying Moths:** As a room spray to control these pests, close all doors and windows and pump spray aiming the nozzle into the upper corners of the room and filling the room with a fine mist. Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed. Do not allow adults, children, or pets to enter until vapors, mists, and aerosols have dispersed and the treated area has been thoroughly ventilated. Keep room closed for at least 15 minutes and then air room out before occupancy. Before spraying in kitchen or dining areas, cover or remove food and utensils.

**Cockroaches, Waterbugs, Palmetto Bugs, Silverfish, Firebrats, Crickets, Scorpions, Spiders, Millipedes, Centipedes, Sowbugs and Pillbugs:** Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray whenever possible.

**Ants:** Spray trails, nests and points of entry. Spray on ants where possible.

## MASTER LABEL

EXPOSED STAGES OF **Confused Flour Beetles, Cigarette Beetles, Drug Store Beetles, Saw-Toothed Grain Beetles, Red Flour Beetles, Rice Weevils, Granary Weevils, Grain Mites in Exposed Adult and Larvae Stages**: Spray into cracks and crevices, around cartons or containers or other areas where these insects tend to congregate. Keep area closed for 45 minutes to 1 hour after treatment.

**Carpet Beetles**: Apply as a spot treatment to 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. Repeat treatment as needed.

**TO KILL Bed Bugs**: Apply as a spot treatment to cracks and crevices, around baseboards, floorboards, bed boards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor bed bugs, concentrating on tufts, folds and seams. Allow treated articles to thoroughly dry before use. Repeat after 4 weeks if necessary. **To treat beds**: Disassemble the bed frame and remove bedding. Do not apply to bedding. Wash bedding and dry using high heat to kill bed bugs. Apply this product to the bed frame, mattress and box spring. Application to mattresses and box springs is for treatment of seams, edges and tufts only. Do not saturate the mattress or box spring. Do not treat the entire surface of the mattress or box spring. Allow the spray to dry before using the mattress and/or box spring. Also apply the product to cracks and crevices in sleeping area. Make spot treatment to baseboards, behind pictures/wall hangings, along and underneath carpet edges and to other infested articles/furniture in the bedroom or sleeping area. Do not apply to stuffed animals or toys.

**To treat luggage**: Remove contents and spot treat areas that may harbor bed bugs, concentrating on corners, pockets and seams.

**TO CONTROL Clothes Moths and Carpet Beetles** on wool and other proteinaceous fibers: Remove infested articles from storage, brush thoroughly, and air for several hours in sunlight, 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 by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining. Allow all sprayed articles to dry thoroughly before use.

**Fleas & Ticks (Adults and Larvae)**: Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters and bed then spot treat floor and floor covering, with special attention to cracks and crevices around baseboards, window and door frames. Place fresh bedding in animal quarters following treatment. Allow to dry thoroughly before allowing pets to contact treated areas. Do not retreat in less than 60 days.

**TO KILL Lice and Louse Eggs**: Apply as a spot, crack & crevice treatment. Hold container upright with nozzle away from you. Spray from a distance of 8 to 10 inches. Spray only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying. Allow all treated articles to dry thoroughly before use.

**TO KILL [CONTROL] [House] Dust Mites**: This product controls house dust mites that may cause asthma, hay fever, rhinitis, watery eyes and sneezing. **On Upholstered Furniture and Drapes** – test fabric in an inconspicuous area to insure dyes will not bleed. Apply as a spot, crack & crevice treatment to fabric surfaces paying particular attention to tufts and seams. Spray until damp. Do not use on delicate fabrics. Allow furniture to dry thoroughly before using. **On Carpets** – Apply as a spot, crack & crevice treatment to edges and corners of rugs and carpeting. Allow all surfaces to dry thoroughly before reentering the treated area. Drying time can be accelerated by using a fan. **On Mattresses** – spray the sides of mattresses until damp, paying particular attention to tufts and seams. Allow to dry thoroughly before using.

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### OUTDOORS:

Point spray nozzle away from face. Hold container on slight downward angle. For best results, spray when air is calm. Allow a few minutes for product to take effect.

**Mosquitoes:** Apply to shrubbery and vegetation where mosquitoes may rest. Give special attention to breeding areas such as garbage cans and compost piles. Do not apply when wind speed is greater than 15 mph.

**Wasp Nests:** Thoroughly spray directly on insects and their nests. Apply in late evening when insects are at rest. Spray into hiding and breeding places, under eaves, in cracks or holes contacting as many insects as possible.

### STORAGE AND DISPOSAL

**Pesticide Storage:** Store in a cool, dry area away from heat or open flame. Do not transport or store below 32°F. Protect from freezing.

**Pesticide Disposal:** Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

**Container Handling:** Non-refillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### 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. 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 CTX-Cenol, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CTX-CENOL, INC. 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 CTX-Cenol, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, CTX-Cenol, Inc. 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 VALENT BIOSCIENCES CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

[OR



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Note [Notice]: Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, seller shall have no liability for consequential damages.

OR

NOTICE: To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith.]

**CTX-Cenol, Inc.**  
1393 E. Highland Road  
Twinsburg, OH 44087

{Alternate Front Panel Bullets}

- ***[Kills On Contact***
- ***Controls Household Insects***
- ***For Residential Use***
- ***A Broad Spectrum Insecticide Highly Effective Against Ants, Beetles (Including Carpet, Flour and Grain), Centipedes, Cockroaches, Crickets, Firebrats, Fleas, Millipedes, Moths, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders, Ticks, Wasps, And Other Pests Listed On The Label***
- ***Kills Bed bugs, Cockroaches, Ants, Dust Mites, Fleas, Ticks and other Pests Listed on the Label***
- ***Kills Houseflies, Mosquitoes, Gnats and Small Flying Moths***
- ***Kills Lice And Their Eggs***
- ***Kills [Controls] [House] Dust Mites***
- ***Kills Bed Bugs***
- ***For Use On Bedding, Furniture, Luggage And Other Inanimate Objects Infested With [Bed Bugs] [Dust Mites] Lice***
- ***Non-Staining • No Unpleasant Odor***
- ***Water-Based Formula***
- ***For Use On Premises To Control Fleas And Ticks***
- ***Long-Lasting Control of [Keeps on Killing] [Up to 4-Week Control of] [Protects For Up to 4 Weeks against] ants, cockroaches, fleas, waterbugs, bed bugs, crickets, silverfish, firebrats, millipedes, centipedes, scorpions, spiders, sowbugs, pillbugs, houseflies, mosquitoes, gnats, Angoumois grain moths, small flying moths***
- ***Keeps Killing [ants, cockroaches, fleas, waterbugs, bed bugs, crickets, silverfish, firebrats, millipedes, centipedes, scorpions, spiders, sowbugs, pillbugs, houseflies, mosquitoes, gnats, Angoumois grain moths, small flying moths] for [Up to 4] Weeks***
- ***Provides 180-Day [6-Months] Control of Roaches [Including German & American Cockroaches] on Non-Porous Surfaces***
- ***Provides 60-Day (2-Months) Control of Fleas [Stored Product Pests]]***