

279-3397

2/5/2014

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 5, 2014

Ms. Jill C. Holihan  
Registration and Regulatory Manager  
FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103-7501

**Subject: Amended Labeling; Addition of Control Claims for Bed Bug Eggs & Newly Enclosed Nymphs  
CB-40 PCO for Insect Kill, EPA Reg. No. 279-3397  
Your Submission Dated August 5, 2013**

Dear Ms. Holihan:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

A copy of your label stamped "Accepted" is enclosed for your records. If you have any questions about this label review, please contact Mr. Carmen J. Rodia, Jr. 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 "Carmen J. Rodia, Jr.", with a small "RJR" monogram to the left.

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

Enclosures: *Label Stamped "Accepted," dated February 5, 2014*  
*Efficacy Review, dated December 17, 2013*

000279-03397 D481724

[CB Flushing & Contact]  
[Kills bed bug eggs]

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[Aids in preventing bed bug egg hatch in susceptible and some pyrethroid resistant strains]  
[Reduces bed bug egg hatch in susceptible and some pyrethroid resistant strains]

# CB-40 PCO for Insect Kill

## INSECTICIDE WITH PYRETHRINS

Contains Pyrethrins, a Botanical Insecticide derived from the *Chrysanthemum* flower

- Provides Rapid Kill of Listed Residential and Industrial Pests
- Excellent Flushing •4 to 1 Synergist Ratio
- Quick Knockdown

**KILLS:** Ants, Bed bugs, Bed Bug Egg Hatch (in susceptible and resistant strains), Booklice, Beetles (Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Red Flour Beetles, Sawtoothed Grain Beetles), Centipedes, Cockroaches, Crickets, Fleas, Flies (Fruit Flies, Horn Flies, House Flies, Cluster Flies and Stable Files), Gnats, Hornets, Millipedes, Mites (Clover Mites, Grain Mites), Mosquitoes, Moths (Angoumois Grain Moths, Chocolate Moths, Indianmeal Moths, Mediterranean Flour Moths, Small Flying Moths), Mud Daubers, Silverfish, Sowbugs, Spiders, Wasps, Weevils (Rice Weevils, Granary Weevils)

**FOR USE** in Apartments, Homes, Offices, Hotels, Motels, Schools, Hospitals, Nursing Homes, Resorts, Day-care Centers, Factories, Warehouses, Stores, Supermarkets, Dining Areas and Pantries of Restaurants, Food Handling Establishments, Commercial or Institutional Kitchens, Food Processing Plants, Meat Packing Plants, Bottling Plants and Inside Surfaces of Transportation Equipment (Automobiles, Buses, Trucks, Trailers, Boats, Ships, Trains, Aircraft (Cargo areas only)).

**CONTAINS NO CFCs OR OTHER OZONE DEPLETING SUBSTANCES.  
FEDERAL REGULATIONS PROHIBIT CFC PROPELLANTS IN AEROSOLS.**

**ACTIVE INGREDIENTS:**

Pyrethrins.....	0.50%
Piperonyl Butoxide.....	1.00%
N-octyl bicycloheptene dicarboximide.....	1.00%
<b>OTHER INGREDIENTS.....</b>	<b>97.50%</b>
	<b>100.00%</b>

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

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See Back Panel for Additional Precautionary Statements.

EPA Reg. No. 279-3397

EPA Est. No.

**NET WEIGHT 17 oz / 482 g**

ACCEPTED

February 5, 2014

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

EPA. Reg. No: 279-3397

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

**CAUTION**

Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands 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)**

Mixers, loaders, applicators and other handlers must wear the following: long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**User Safety Recommendations:** Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

[For Reviewer: Boxed and "bulleted" format will be used if label space permits; otherwise a paragraph format will be used.]

**FIRST AID**

**If on Skin or Clothing:** 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 Swallowed:** 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If Inhaled:** 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.

**If In Eyes:** 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.

**HOT LINE NUMBER-** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-331-3148, twenty-four (24) hours per day, seven (7) days per week. For product information call (800) 321-1FMC (1362).

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This product 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.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

Flammable. Contents under pressure. Keep away from heat, sparks and open flames. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not apply this product in or on electrical equipment due to the possibility of a shock hazard. Incompatible with oxidizing agents.

Do not spray on plastic, painted or varnished surfaces or directly into electronic equipment such as radios, TVs, computers, etc.

**DIRECTIONS FOR USE**

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

**USE RESTRICTIONS**

- Apply this product only as specified on this label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- All residential outdoor applications must be limited to building surfaces and spot treatments on structures.
- Do not allow adults, children, or pets to enter the treated area for at least 15 minutes, until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- 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 treated area during application.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.

- Remove and cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.
- Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.
- When used in classrooms: Do not apply this product while classrooms are occupied. Vacate premises for at least 15 minutes following treatment. Thoroughly ventilate the treated classrooms prior to re-entering.
- When used in medical care facilities: Remove all patients prior to treatment. Thoroughly ventilate treated area for at least 2 hours following treatment before returning patients.
- When used as a surface spray, do not enter or allow others to enter until sprays have dried.
- For spray applications to articles: Do not wet articles to the point of runoff or drip. Do not use treated articles until spray has dried.
- Do not apply 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 this product to enter any drain before or after application.
- Remove pets, birds and cover fish aquariums before spraying.

Hold container upright with nozzle pointing away from you. Press valve down and spray as directed. To avoid possible staining of fabrics or surfaces, do not spray at close range.

**FLYING INSECTS: Flies (Fruit Flies, Horn Flies, House Flies, Cluster Flies and Stable Files), Mosquitoes, Small Flying Moths, Wasps, Hornets, Gnats** –Calculate cubic feet of space to be treated. Close all doors and windows. Spray in sweeping motion to all parts of the room. Apply for 1-3 seconds per 1,000 cubic feet of space. Keep room closed for at least 15 minutes following treatment. Open doors and windows, and thoroughly ventilate treated area before reoccupying. Sweep up and destroy fallen insects. Repeat treatment as necessary.

**CRAWLING INSECTS: Cockroaches, Ants, Booklice, Centipedes, Clover Mites, Millipedes, Crickets, Silverfish, Sowbugs, and Spiders** -General Volumetric Treatment: Open cabinets and doors in area to be treated. Shut off air conditioners, fans, and close doors and windows before spraying. Spray for 20 seconds per 1,000 cubic feet of space. Direct spray toward areas suspected of harboring insects. 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. Keep room closed for at least 15 minutes following treatment. Open doors and windows, and thoroughly ventilate treated area before reoccupying. Repeat treatment as necessary.

**FOR COCKROACHES:** For best results, spray directly on cockroaches and thoroughly spray all parts of the room suspected of harboring these pests. Special attention should be paid to cracks, hidden surfaces, under sinks, behind stoves and refrigerators, food storage areas, and wherever these pests are suspected of hiding. Also, spray around door- and windowframes. Repeat as necessary.

**Ants, Booklice, Centipedes, Clover Mites, Crickets, Fleas, Millipedes, Roaches, Silverfish, Sowbugs, and Spiders:** Inject into cracks and crevices in all hiding places behind baseboards, sinks, cabinets, meter boxes, door frames, windows.

**GENERAL VOLUMETRIC TREATMENT:** Open cabinets and doors in areas to be treated. Turn off air conditioners and fans and close doors and windows before treating. Apply at the rate of 20 seconds per 1000 cu. ft. of space. Disperse toward area suspect of harboring the greatest insect infestations. Disperse in all locations contacting as many insects as possible. Keep room closed for at least 15 minutes following treatment. Open doors and windows, and thoroughly ventilate treated area before reoccupying. Repeat treatment as necessary.

**CRACK & CREVICE APPLICATION:** Food Areas and/or Food Handling Establishments—Spray in cracks and crevices, using the crack and crevice nozzle provided.

**VOLUMETRIC TREATMENT IN FOOD AREAS AND/OR FOOD HANDLING ESTABLISHMENTS:** Do not make space spray applications when facility is in operation. Prior to space spray applications, cover or remove food, and cover food processing surfaces or clean after treatment and before use. Do not apply more than 1 time per day.

**VOLUMETRIC TREATMENT IN HOMES:** In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Remove pets and birds and cover fish aquariums before spraying.

**VOLUMETRIC TREATMENT FOR INACCESSIBLE VOIDS (Attics, False Ceilings, Wall and Equipment Voids):** For insects harboring in voids, calculate void volume and treat at a rate of 20 seconds per 1000 cu. ft. Repeat as necessary.

**FOR SPIDERS AND SILVERFISH:** For control of these insects, frequent and repeated spraying of baseboards, windows, doorframes, bookcases and storage areas should be made. For best results, spray directly on insects.

**FOR CRICKETS:** Spray thoroughly and frequently behind stoves, refrigerators, under cabinets, in food storage areas, and especially in closets, basements, and other damp areas. For best results, spray directly on insects.

**FOR FLEAS IN BUILDINGS:** Close windows and doors. Hold aerosol 36 inches above floor and direct fog toward floor and lower walls at a rate of 10 seconds per 100 square feet making sure that all floor, sofa, and chair surfaces are contacted. Remove animals before spraying. Keep room closed for 15 minutes following treatment. Open doors and windows, and thoroughly ventilate treated area before reoccupying. Repeat treatment after 7 days.

**FOR INDIANMEAL MOTHS, CHOCOLATE MOTHS, MEDITERRANEAN MOTHS, ANGOUMOIS GRAIN MOTHS:** Close doors and windows, direct spray into all parts of room, especially around stored food product containers, pallets, and darkened areas. Do not spray in areas where food is exposed in anyway. Spray 5 to 10 seconds for each 1,000 cubic feet of space. Keep room closed for at least 15 minutes following treatment. Do not remain in treated area. Open doors and windows, and thoroughly ventilate treated area before reoccupying. Repeat application weekly or as needed. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

**Exposed Adult and Larval stages of Bedbugs, Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Drugstore Beetles, Sawtoothed Grain Beetles, Red Flour Beetles, Rice Weevils, Granary Weevils, Grain Mites:** Spray into cracks and crevices, around cartons or containers and other areas where these insects tend to congregate. Spray 30 seconds for each 100 square feet of surface. Keep area closed for 45 minutes to 1 hour after treatment. Repeat application as necessary. Infested stored food products in the home should be disposed of.

**CARPET BEETLES:** Spray directly on beetles, baseboards, floors, shelves and carpets. Repeat treatment as necessary.

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**FOR BED BUGS:** Apply as a spot treatment to cracks-and-crevices and/or harborages, where evidence of bed bugs occurs, including bed frames, box springs, inside empty dressers, furniture and clothes closets, carpet edges, high and low wall moldings, behind headboards, pictures, and wallpaper edges. Spray bed bugs directly when possible. Do not make surface applications to mattresses or bedding. Mattress treatments must be limited to seams, folds, and edges only. Do not treat pillows, bedding, or clothing. Remove linens and wash before reuse. Allow treated mattress to dry thoroughly before remaking bed. Remove all clothes and other articles from dressers or clothes closets before application. Allow all treated areas to dry thoroughly before use. **For use with the Verifi™ Bed Bug Detector:** If live bed bugs are found in the detector, they should be removed and properly disposed of. Then spray all pieces of the detector to kill any remaining bed bugs or nymphs.

**FOR BED BUG EGGS: To kill bed bug eggs:** Apply a two second spray directly to the eggs.

**HOME USE: To kill Cockroaches, Spiders, Silverfish, Wasps, Hornets, Crickets**—Spray the insect directly when possible and spray all probable hiding places such as cracks, crevices, baseboards, sinks, cabinets, shelves and under appliances. Repeat as necessary. Application to Aircraft: This product can be applied in cargo areas but not in aircraft cabins.

**FOOD PROCESSING PLANT USE: To kill Cockroaches, Spiders, Silverfish, Wasps, Hornets, Crickets**—Spray the insect directly when possible. Spray all probable hiding places such as cracks, crevices, baseboards, sinks, cabinets, shelves, under appliances, and in food storage areas. **To Kill Flies, Mosquitoes, Gnats, Small Flying Moths**—Close all windows and doors. Direct spray upward, spraying for 2-3 seconds for 1,000 cubic feet of space. Keep room closed for at least 15 minutes following treatment. Do not remain in treated area. Open doors and windows, and thoroughly ventilate treated area before reoccupying.

**STORAGE & DISPOSAL**

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

**Pesticide Storage:** Do not store near heat or open flame. Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

**Pesticide Disposal:** Do not Puncture or Incinerate! **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

[For Reviewer: The Steel graphics symbol is optional if label space allows it.]

[For Reviewer: Optional – CFCs logo]