

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

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

January 11, 2012

Ms. Jill C. Holihan
Product Registration Manager
FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103-7501

Subject:

Amended Labeling; Response to REDs for Pyrethrins, Piperonyl Butoxide and MGK 264

Insecticide Synergist & Textual Changes to Bed Bug Section

CB-40 PCO for Insect Control, EPA Reg. No. 279-3397

Your Submission Dated November 1, 2011

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 with the following label revision provision(s):

#### General Statement:

- 1. Delete all text throughout the label marked with "strikethrough."
- 2. The proposed amended label currently includes both indoor and outdoor uses. The registrant for MGK 264 insecticide synergist submitted a technical use deletion request for its MGK 264 insecticide synergist product which deleted most outdoor uses for MGK 264, and residential outdoor use is now limited to building surfaces and spot treatments on structures. This use deletion published in the *Federal Register* on September 28, 2011 (copy attached).

#### Front Panel section comment(s):

- 3. To maintain consistency with the Notification that was approved for this product on December 18, 2009, you must revise the incorrect listing of the alternate brand name "[CB Flushing & Contact]" that is currently at the top right corner of the subject label to read "[CB-40 Insecticide]"
- 4. In addition, you must revise the incorrect listing of the active/main brand name "CB-40 Insecticide" to read "CB-40 PCO for Insect Control"

# Optional Marketing Statements section comment(s):

5. Revise the 3<sup>rd</sup> optional marketing statement to read "Provides Rapid Kill of Listed Residential and Industrial Pests"

#### Use Site section comment(s):

6. Revise the listing of "Transportation Equipment" to read "Inside Surfaces of Transportation Equipment"

### Ingredient Statement section comment(s):

- 7. To facilitate inclusion of required label language from the REDs for pyrethrins, piperonyl butoxide and MGK 264 insecticide synergist, you must do the following:
  - Revise the listing of "\*Piperonyl Butoxide, technical" to read "\*Piperonyl Butoxide"
  - Revise the 1<sup>st</sup> footnote to read "\* (butylcarbityl)(6-propylpiperonyl) ether and related compounds"

# First Aid Statement section comment(s):

- 8. Revise the 1<sup>st</sup> sentence within the "**If Swallowed:**" subsection to read "Call a poison control center or doctor immediately for treatment advice."
- 9. Revise the 2<sup>nd</sup> sentence within the "**HOT LINE NUMBER**" subsection to read "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."

# Precautionary Statements, Hazards to Humans and Domestic Animals subsection comment(s):

10. Revise this subsection to read "Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. 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."

# Directions for Use, USE RESTRICTION subsection comment(s):

11. To facilitate inclusion of required label language from the REDs for pyrethrins, piperonyl butoxide and MGK 264 insecticide synergist, you must revise the existing "USE RESTRICTIONS" subsection to read as follows:

#### **USE RESTRICTIONS**

- Apply this product only as specified on this label.
- · Do not contaminate of food or feedstuffs.
- . THIS PRODUCT IS INTENDED FOR INDOOR USE ONLY.
- 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 classroom 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.
- 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.
- 12. Insert the following relocated text to appear on the subject label immediately following the revised "USE RESTRICTIONS" subsection to read: "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."

#### Directions for Use, Subsection-Specific Comments:

- 13. To facilitate inclusion of required label language from the REDs for pyrethrins, piperonyl butoxide and MGK 264 insecticide synergist, you must make the following subsection-specific changes to the subject label:
  - As a result of the outdoor use deletion for MGK 264 insecticide synergist that was noted in Item #2
    above, you must delete the "FOR ANTS:" and "OUTDOOR GROUND APPLICATION:" subsections in their
    entirety.
  - Within the existing **"FLYING INSECTS: (Fruit Flies, Horn Flies, ..."** subsection, revise the 5<sup>th</sup> and 6<sup>th</sup> sentences to read "Keep room closed for at least 15 minutes following treatment. Open doors and windows, and thoroughly ventilate treated area before reoccupying."
  - Within the existing "CRAWLNG INSECTS: Cockroaches, Ants, ..." subsection, revise the 6<sup>th</sup> and 7<sup>th</sup> sentences to read "Keep room closed for at least 15 minutes following treatment. Open doors and windows, and thoroughly ventilate treated area before reoccupying."
  - Within the existing "GENERAL VOLUMETRIC TREATMENT:" subsection, revise the 6<sup>th</sup> and 7<sup>th</sup> sentences to read "Keep room closed for at least 15 minutes following treatment. Open doors and windows, and thoroughly ventilate treated area before reoccupying."

### Directions for Use, Subsection-Specific Comments, continued:

- Revise the existing "VOLUMETRIC TREATMENT IN FOOD AREAS AND/OR FOOD HANDLING
  ESTABLISHMENTS: ..." subsection to read "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."
- Within the existing "FOR FLEAS IN BUILDING:" subsection, revise the 3<sup>rd</sup> and 4<sup>th</sup> sentences to read
  "Remove animals before spraying. Keep room closed for 15 minutes following treatment. Open doors and windows,
  and thoroughly ventilate treated area before reoccupying."
- Within the existing "FOR INDIANMEAL MOTHS, CHOCOLATE MOTHS, …:" subsection, revise the 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> sentences to read "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."
- Revise the existing "FOR BED BUGS:" subsection to read "FOR BED BUGS: Apply to cracks, crevices, voids, 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. 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."
- Within the existing "FOOD PROCESSING PLANT USE:" subsection, revise the last 2 sentences to read
  "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 and Disposal Statement section comment(s):

- 14. Replace the subsection currently labeled as "Storage:" with "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."
- 15. Revise the subsection heading currently labeled as "Disposal:" to read "Pesticide Disposal:"

Copies of your label stamped "Accepted with Comments" as well as a copy of the published Notice of Receipt for amendments to delete outdoor uses for MGK 264 insecticide synergist (September 28, 2011) are 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 J. Rodia, Jr. at (703) 306-0327 or via e-mail at <u>Rodia.Carmen@epa.gov</u>.

Sincerely yours,

Richard J. Gebken Product Manager (10)

Insecticide Branch

Registration Division (7504P)

Enclosures:

Copy of label stamped "Accepted with Comments"

Copy of published notice of receipts for amendments to delete uses for MGK 264, dated September 28, 2011

000279-03397 D457743

# **CB-40** Insecticide

INSECTICIDE WITH PYRETHRINS
Contains Pyrethrins, a Botanical Insecticide

Provides Rapid Control of Residential and Industrial Pests

Excellent Flushing •4 to 1 Synergist Ratio

Quick Knockdown

KILLS and BERFLO Flies (Fruit Flies, Horn Flies, House Flies, Cluster Flies and Stable Files), Mosquitoes, Gnats, Small Flying Moths, Wasps, Hornets, Mud Daubers, Cockroaches, Ants, Fleas, Crickets, Drug Store Beetles, Spiders, Silverfish, Sowbugs, Indianmeal Moths, Mediterranean Flour Moths, Millipedes, Angoumois Grain Moths, Confused Flour Beetles, Sawtoothed Grain Beetles, Red Flour Beetles, Rice Weevils, Granary Weevils, Grain Mites, Booklice, Carpet Beetles, Centipedes, Chocolate Moths, Cigarette Beetles, Clover Mites and Bedbugs

FOR USE in Apartments, Company Homes, Offices, Hotels, Motels, Schools, Hospitals, Nursing Homes, Resorts, Day-care Centers, Factories, Hilling 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 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:**

Equivalent to 0.8% (butylcarbityl) (6-propylpiperonyl) ether and 0.2% 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
With COMMENTS
In EPA Letter Dated:

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

279-3397

# PRECAUTIONARY STATEMENTS Hazards to Humans & Domestic Animals CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear the following: long-sleeve shirt, long pants, shoes and socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. 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 Swallowed: Call a poison control center or doctor 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 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 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 emergency information, call (800) 331-3148. 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,

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.

Held container upright with nozzle away from you. Proce valve down and spray as directed. To evoid pessible staining of fickies on curfaces, do not oppose at close range. Do not contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs. Do not remain in treated area. Vessia in the contaminate food or foodstuffs.

- Do not enter or allow others to enter until sprays have dried.
- · Do not use in aircraft cabins.
- . 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 application.
- Do not remain in treated area. Exit immediately and remain outside the treated area until aerosols, vapors and/or mists have dispersed.
- Do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the area has been thoroughly ventilated.
- Remove or 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.

• For indoor food handling/processing facilities: Do not make surface spray applications when facility is in operation. During space spray applications, cover food processing surfaces or clean after treatment with suitable detergent and rinse with potable water before use. Do not apply more than 1 time per day.

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 area closed for 15 mintues. Open and ventilate 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 area closed for 15 minutes. Open and ventilate 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 area closed for 15 minutes. Open and ventilate the 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. Accorded and crevice application may be done in food areas and/or food handling catablishments while

VOLUMETRIC TREATMENT IN FOOD AREAS AND/OR FOOD HANDLING ESTABLISHMENTS: Food Areas of Food Handling Establishments: when applying a space treatment in food handling areas, the food handling operation should be shut down. Foods should be removed or covered during treatment. In food processing areas, all utensil, shelving, etc., where food will be handled should be covered or removed before treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse prior to use.

**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. Keep area closed for 15 minutes. Open and ventilate before reoccupying. Repeat treatment after 7 days.

Then periodically approximent for 2 5 accordence 400 cubic feet of apaces

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 area closed for 15 minutes following treatment. Do not remain in treated areas. Ventilate after treatment. 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 Gevices, 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.

FOR BED BUGS: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Repeat treatment as necessary. 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.

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, S piders, 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. Do not remain in treated areas. Ventilate after treatment.

OUTDOOR CROUND APPLICATION To all Elies, Chats and Mosquitoes in open are according and compareunds. Restautis are obtained when wind open in five (5) MPH or less. Apply at a rate of 1.5 to 2 seconds per thousand equate feet. Apply in wide awaths across area to be treated. Allow treatment to penetrate dense foliage. Repeat treatment as necessary.

### STORAGE & DISPOSAL

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

Storage: Do not store near heat or open flame. Store in cool dry area away from children.

**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]