

FEB 22 1991

Mr. Jeffery D. Lukach
Cardinal Chemical Company
Box 417305
Sacramento, CA 95841-7305

Dear Mr. Lukach:

Subject: Resmethrin Registration Standard
Premium Grade Card-O-Sect
EPA Registration No. 5440-95
Premium Grade Card-O-Sect 929
EPA Registration No. 5440-99
Cardinal 34 Insecticide
EPA Registration No. 5440-109 ✓
Premium Grade SP-2 Insecticide
EPA Registration No. 5440-97
Your Submissions Dated December 20, 1989

BEST AVAILABLE COPY

The labeling referred to above, submitted in connection with
registration under the Federal Insecticide, Fungicide, and Rodenticide
Act, as amended, is acceptable. A stamped copy is enclosed for your
records.

Sincerely yours,

Jim
Richard P. Mountfort
Product Manager (10)
Insecticide-Rodenticide Branch
Registration Division (W7505C)

Enclosure

62467:I:A-4:Mountfort:L10-2:KEVRIC:02/15/91:PEM:DD:wo:EK:sw

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Precautionary Statements Humans and Domestic Animals CAUTION

1. Avoid breathing vapor. Avoid contact with skin.
2. Wear protective clothing. Wash exposed skin after handling and before eating. Wash clothing with soap and water separately from a room. Do not apply directly to processed food handling facilities, processed food and all should be covered or removed during application as a space spray while food processing is in progress and equipment in federally inspected meat must be washed with an effective cleaning agent with potable water after spraying. In the treating surfaces and utensils should be washed or thoroughly washed before use, and cover fish aquariums before spraying.

First Aid

If a physician or poison control center immediately. Because of aspiration potential, do not induce vomiting unless under direct medical supervision. Do not give anything by mouth to an unconscious person.
IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.
IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.
IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

Remove contaminated clothing and wash affected areas with plenty of water. Call a physician if irritation persists.

Environmental Hazards

Do not contaminate water by cleaning of equipment. Do not apply directly to water.

Fire or Chemical Hazards

Extinguish open flame before use. EXTINGUISH, FILL, OR STORE NEAR FIRE.

USE

Use in a manner in which.

Use with an Atomizer or Electric Sprayer. To obtain maximum results, apply CARD-O-SECT per label.

Use in order to obtain maximum results, apply CARD-O-SECT per label.

Apply directly where possible on insects, spiders, sowbugs, centipedes, etc.

CARDINAL 3% INSECTICIDE

ACTIVE INGREDIENTS
Resmethrin 3.00%
INERT INGREDIENTS 97.00%
TOTAL 100.00%
Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or poison control center immediately. Because of aspiration potential, do not induce vomiting unless under direct medical supervision. Do not give anything by mouth to an unconscious person.
IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.
IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.
IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 5440-109

EPA Est. No. 5440-CA-1

Cardinal Chemical Company 11358 Sunrise Gold Circle
Rancho Cordova, CA 95742

and Wasps. Spray with a Hand or Electric Sprayer, or Compressed Air Spray Gun

CAUTION: Use this product as a space spray in food processing plants only when plant is not operating. Foods should be removed, or covered, and all processing surfaces should be covered or thoroughly cleaned before using. Do not remain in treated areas and ventilate the area after treatment is completed.

For ULV use in mechanical aerosol generators such as the LECO Mini ULV or Microgen. Apply undiluted at the rate of 0.5 fl. oz. of concentrate per 1,000 cubic feet of space. Direct output from aerosol generators upward toward upper corners of room and ceiling. The undiluted spray may be applied in facilities operating under USDA poultry, meat, rabbit and egg products inspection program.

Extinguish all flames in the area to be treated. Shut off all air conditioning or ventilating equipment.

Vacate room before application. Leave closed for one hour after spraying. Ventilate room thoroughly before re-entry.

SPACE SPRAY: To kill adult and accessible stages of insect pests of stored foods. Grain Weevils, Flour Beetles, Saw-toothed Grain Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Grain Mites, Carpet Beetles and Spider Beetles. Direct output

in corners, under pallets and around stacks of packaged foods killing as many of the insects as possible and then treat as a space spray toward upper corners of room and ceiling.

To kill flies, mosquitoes, gnats, treat as a space spray directing output toward upper corners of room and ceiling.

CONTACT SPRAY: Use undiluted to kill roaches, silverfish, earwigs, ants, spiders, centipedes, sowbugs, millipedes, carpet beetles. Apply the spray as a coarse wet spray into all cracks and crevices in woodwork, walls, floors, beneath sinks and other insect harborage, contacting as many insects as possible.

To kill wasps and hornets, contact application should be made in late evening when insects are at rest. Spray liberally into hiding places, contacting as many insects as possible. Repeat as necessary.

For mechanical mixing equipment such as the Microsol or Challenger Machines:

Mixing Instructions: Dilute to 0.5% resmethrin by adding 1 fl. oz. of the 3% concentrate to 5 fl. oz. of petroleum distillate.

Mix to 0.25% resmethrin by adding 1 fl. oz. of the 3% concentrate to 11 fl. oz. of petroleum distillate.

Mix to 0.10% resmethrin by adding 1 fl. oz. of the 3% concentrate to 14 fl. oz. of petroleum distillate.

Mix to 0.10% resmethrin (which would be used for flying insects only) by adding 1 fl. oz. of the 3% concentrate to 20 fl. oz. of petroleum distillate.

For most effective results against flying insects, operate spraying equipment adjusted to deliver a fine mist. For flying insects, use either 0.10% or 0.25%.

To kill flies, mosquitoes, gnats, wasps, hornets and small flying moths. Close all doors and windows. Point nozzle upward, direct the spray mist to all parts of the room, especially windows and other light sources which attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room before re-entry. Repeat as necessary.

To kill crawling insects, a. spray to produce a large wetting type spray particles and use either 0.25% or 0.50%.

To kill roaches, earwigs, grain mites, sowbugs, spiders, silverfish, centipedes, centipedes and grain insects, (adults and accessible stages of confused flour beetles, red flour beetles, sawtoothed grain beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths): Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

To kill ants, spray trails, nests and points of entry. Spray on ants where possible. Repeat as necessary.

THERMAL APPLICATORS, INDOORS - Use 0.2% resmethrin for the control of flies, mosquitoes, gnats in warehouses, restaurants and industrial institutions. Shut off ventilating systems, air ducts, air conditioning equipment and close off room or area to be treated.

Extinguish all flames and pilot lights. Apply as a dry fog at the rate of 1-1/2 fl. oz. per 1,000 cubic feet of space. Direct nozzle of thermal applicator toward the upper corners of the room and along the ceiling. Close all room for at least one-half hour. Do not remain in room. Ventilate before re-entry.

This concentrate is designed for use undiluted in ULV sprayers as the LECO Mini or Micro-Gen, which give particles of aerosol size can also be diluted with oils which meet Food Additive Regulation 121.1182 for use in mechanical fogging equipment such as Microsol or Challenger machines which give larger particles. It can be diluted with oil as specified and applied as a contact spray.

In food handling areas, food should be removed or covered previous treatment. All food processing surfaces should be covered or thoroughly cleaned before using. Apply only when facility is in operation.

Before application, remove plants and animals from area to be treated. Remove horses before spraying stables.

STORAGE AND DISPOSAL

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

Storage: Store in cool, dry area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY STATEMENT: Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product is beyond the control of the manufacturer. No guarantee is made or implied, is made as to the effect of such or the results obtained if not used in accordance with directions or established practices. The buyer must assume all responsibility, including injury, damage, resulting from its use as such or in combination with materials.

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