



PA 10 5011-128 RS 115
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MAR 21 1991

Webster J. Peterson
Carmel Chemical Corporation
17303 US 31 North, P.O. Box 406
Westfield, IN 46074

Subject: Resmethrin Registration Standard
Formula F-500
EPA Reg. No. 5011-128
Submission: December 1, 1989

Dear Mr. Peterson:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

Please include a statement of practical treatment. Your statement may appear as the following example:

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration of pneumonia hazard.
- IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.
- IF ON SKIN
OR CLOTHING: Remove contaminated clothing and wash before reuse. Wash skin with soap and warm water. Get medical attention if irritation persists.
- IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

Sincerely,

Rfm
Richard F. Mountfort
Product Manager 10
Insecticide & Rodenticide Branch
Registration Division (E7505C)

FRONT PANEL 6 1/2" X 5 1/4" 285 ①

FORMULA F-500

A FOGGING AND CONTACT INSECTICIDE CONTAINING RESMETHRIN

MAR 21 1991
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5011-128

ACTIVE INGREDIENT:
RESMETHRIN

INERT INGREDIENTS

TOTAL 100.00 %

INERT INGREDIENTS PETROLEUM DISTILLATES

Trans isomer ratio: MAX, 30% (±) CIS and min.

70% (±) Trans.

CONTAINS 0.30 lbs. RESMETHRIN PER GAL.

EPA REG. NO 5011-128

EPA EST. NO. 5011-IN-1

ACCEPTED
With COMMENTS
In EPA Letter Dated

MAR 21 1991

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5011-128

KEEP OUT OF REACH OF CHILDREN - 12 pt
CAUTION - 18 pt
HARMFUL IF SWALLOWED. CONTAINS PETROLEUM DISTILLATES

STATEMENT OF PRACTICAL TREATMENT.....

AVOID CONTACT WITH EYES AND SKIN. DO NOT...
 FOG OR SPRAY MIST. FOR EYE CONTACT...
 15 MINUTES. WASH SKIN WITH SOAP AND WATER...
 HAVE VICTIM BE STILL. CONTACT A PHYSICIAN OR EYE POISON CONTROL
 CENTER AT ONCE. DO NOT INDUCE VOMITING.
 SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

BEST AVAILABLE COPY

MANUFACTURED BY
CARMEL CHEMICAL CORP., 17303 US 31 NORTH
WESTFIELD, IN 46074 PHONE 317 896 2531

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: HARMFUL IF SWALLOWED. DO NOT BREATHE SPRAY MIST, VAPORS OR FOG. AVOID CONTACT WITH SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. WHEN FOGGING WEAR A FULL FACE GAS MASK WITH PESTICIDE CANNISTER JOINTLY APPROVED BY THE MINE SAFETY AND HEALTH ADMINISTRATION (MSHA) AND THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH) FOR PESTICIDE APPLICATION UNDER PROVISIONS OF 30 CFR PART 11. REMOVE PETS BEFORE USING.

ENVIRONMENTAL HAZARDS

THIS PESTICIDE IS HIGHLY TOXIC TO FISH. DO NOT APPLY DIRECTLY TO WATER OR WETLANDS (SWAMPS, BOGS, MARSHES, AND POTHoles). DRIFT AND RUNOFF FROM TREATED SITES MAY BE HAZARDOUS TO FISH IN ADJACENT WATERS. DO NOT CONTAMINATE WATER WHEN DISPOSING OF EQUIPMENT WASHWATERS.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE OR STORE NEAR HEAT AND OPEN FLAME

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

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SIDE PANEL CONT.

Use this product in food processing plants only when plant is not in operation. Foods should be removed or covered during treatment. All processing surfaces should be covered or thoroughly cleaned before using. Do not remain in treated area and ventilate after treatment is completed. Observe usual caution as should be followed with any insecticide. Remove pet birds and other fish aquariums before spraying.

An insecticide for use in Baking Companies, Bottling Plants, Breweries, Candy Factories, Canned Goods, Distilleries, Flour Mills, Horse Stables, Hospital Maintenance Kennels, Nut Processing Companies, Rice Mills, Seed Houses and Restaurants. See caution limitations. For fogging control of flies, mosquitos, and gnats and direct contact spraying control of roaches, ants, spiders, water bugs and house centipedes. Recommended for use in thermal fogging applicators and can also be applied by U.L.V. and other power and hand operated sprayers. Fogging application indoors for control of flies, mosquitos and gnats. After closing off all air currents, direct fog upwards at walls and ceilings so that as many insects as possible can be contacted with a direct fog. When application is made WITH FOGGERS use 1 oz. of Carmel Formula F-500 per 1000 cubic feet of space. Keep premises closed for at least 10 minutes after fogging. Sweep up and destroy all dead and dying insects. Repeat when necessary. Direct Contact Spray Application for control of roaches, ants, spiders, water bugs and house centipedes. Direct a wet spray toward infested areas, floors, cracks and crevices to hit the insects. Apply Carmel Formula F-500 with an efficient electric or other power or hand operated sprayer that will deliver a coarse spray. Thorough application should be made with repeated treatment whenever reinfestation occurs.

KILLS ADULT WHITEFLIES IN GREENHOUSES: When applied with a Fog Applicator Formula F-500 is recommended for the kill of Adult Whiteflies, prior to bloom formation on Snapdragon, Norfolk Island Pine, Begonia species, Coleus varieties, Dieffenbachia, Poinsettia, India Rubber Tree, Gardenia, English Ivy, Hibiscus, Chinese Fan Palm, Foundation Palm, Geranium, Palms, Azalea, Arum Lily, Bird of Paradise Flower, Crane Lily, Wandering Jew, Zephyr Lily.

PREPARATION OF THE GREENHOUSES PRIOR TO FOGGING: 1) Close all doors, windows and ventilators. 2) Lock or barricade all entrances, post warning signs, take precautions to prevent persons and animals from entering the area. 3) Turn off all misting systems, fans and sulphur pots. Be certain all foliage is dry. 4) Room temperature should read from 70° to 85° F. for best insect kill.

APPLICATION: DOSAGE. Calculate in cubic feet the greenhouse space to be treated. One ounce of F-500 will treat 1000 cubic feet of space. Pour into the Thermal Fog Applicator insecticide tank the required number of ounces of Formula F-500 to treat the calculated space.

APPLICATION: METHOD. Walk backward down the entire length of the center aisle of the greenhouse directing the fog under the benches, swaying the machine back and forth to blanket two benches from each side of the aisle. Keep the Fog Applicator nozzle at a minimum of four feet from plants. The Fog Applicator should never be used in a fixed position—it is to

be constantly moving so as to cover the entire area as evenly as possible. Do not overapply to the point where the foliage is visibly wet. NOTE: For ground benches, walk backward down the center aisle directing the fog applicator nozzle at a 30° angle downward so that the fog falls to the ground. Repeat applications as often as necessary.

DURATION OF EXPOSURE. Length of exposure time is 1 1/2 hours with ventilators and doors closed. After this exposure time, the house should be well ventilated—at least 1 hour—before re-entering. Damage may result with longer exposure periods.

FOG APPLICATOR NOTICE. Flush the insecticide tank of the Carmel Fog Applicator immediately after each use, otherwise residue from the formulation may remain in the tank and insecticide system and block the system completely causing reduced fog output and poor insect control. Flushing immediately after using is a complete answer to this problem.

TO FLUSH:

1. Drain insecticide tank. To avoid draining tank after fogging, pour only the required amount of insecticide and use it all in the fogging operation.
2. Pour at least 8 ounces of Carmel Flushing Solution (FS-10) into tank. (Fuel oil may be used if flushing solution is not available.)
3. Replace tank cap and rock applicator to loosen any residue.
4. Start machine (outside the greenhouse) and "fog" until tank is empty.
5. Loosen insecticide tank cap to relieve pressure.
6. Remove chemical filter and rinse in gasoline.

After flushing the Carmel Fog Applicator, clean engine tailpipe with tailpipe brush and clean intake with special cleanout rod.

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SIDE PANEL CONT

STORAGE AND DISPOSAL

Prohibitions: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. **Pesticide Storage:** Do not use, pour, spill or store near heat or open flame. Do not store with food, feed, drugs, or clothing. Store securely. Store to prevent cross contamination of other pesticides and fertilizer. Store in original tightly closed container. Store above 35°F. **Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **Container Disposal—Plastic:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Metal:** 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.

If subjected to temperatures below 32°F, move container to warm storage until reaching average room temperature and thoroughly mix before use.

NOTICE: Seller makes no warranty other than specified on this label. The buyer agrees that the seller shall not be responsible or liable for injury to crop, soil, person, or property arising from careless or improper use or handling of the product. Please use in accordance with seller's directions.

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