

MAY 21 1991

Ms. Cheryl C. Hartfield
McLaughlin Goraley King Company
8810 Tenth Avenue North
Minneapolis, MN 55427-4372

Dear Ms. Hartfield:

Subject: Revised Label
Ebiol Fogging Concentrate 2289
EPA Registration No. 1021-1478
Your Submission Dated April 30, 1991

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.

As new labels are prepared, reinstate the sentences - Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application - under PRECAUTIONARY STATEMENTS.

We note that you have included the percentages of the related compounds for s-bicallethrin with the active ingredient.

Sincerely yours,

RM Richard F. Mountfort
Product Manager (10)
Insecticide-Rodenticide Branch
Registration Division (M7505C)

Enclosure

BEST AVAILABLE COPY

62496:I;A-4;Mountfort;L10-05;KEVRIC;05/16/91;06/09/91;aw;wo;aw

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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MGK McLAUGHLIN GORMLEY KING COMPANY

ESBIOL® FOGGING CONCENTRATE 2289

For Use Undiluted or Diluted with Oil

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4372 U.S.A.

TELEPHONE (612) 544-0341

For Use in the Home and Food and Non-Food Areas of: Food Processing Plants, Schools, Warehouses, Office Buildings, Theatres, Garages, Hotels, Motels, Kennels, and Hospitals.

ACTIVE INGREDIENTS:

- *d-trans-chrysanthemum monocarboxylic acid ester of d-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one..... 1.50%
 - **Piperonyl butoxide, Technical..... 3.00%
 - ***N-Octyl bicycloheptene dicarboximide..... 2.00%
 - ****INERT INGREDIENTS..... 83.50%
 - *S-bioallethrin from ESBIOL® , Roussel-Uclaf; Paris, France
 - **Equivalent to 2.40 % (butylcarbityl) (6-propylpiperonyl) ether and 0.60 % related compounds.
 - ***MGK® 264, Insecticide Synergist
 - ****Contains petroleum distillate
- ESBIOL® - Registered trademark of Roussel-Uclaf; Paris, France
 MGK® - Registered trademark of McLaughlin Gormley King Co.

ACCEPTED
 with COMMENTS
 In EPA Letter Dated
 MAY 21 1991
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
 1021-1478

KEEP OUT OF REACH OF CHILDREN WARNING

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration pneumonia hazard. Do not give anything by mouth to an unconscious person.
- IF ON SKIN OR CLOTHING: Wash with plenty of soap and water. Get medical attention.
- IF IN EYES: Flush with plenty of water. Get immediate medical attention.
- IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably by mouth. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes skin irritation. Causes eye irritation. Harmful if absorbed or inhaled. Do not get on skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. before reuse. Avoid contamination of food and feedstuffs.

Do not apply while food processing is underway. Cover or remove all food processing surfaces. Thoroughly wash all food processing surfaces before reuse. After spraying in bakeries, meat packing plants, food processing plants, etc., all benches, shelving, equipment, etc. where exposed food will be handled must be washed with an effective cleaning compound followed by a potable water rinse to remove all traces of contamination.

Remove pets, birds, and cover fish aquariums before spraying.

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or 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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Anterior labeled

Added

NOTE: When used in hospitals, patients should be removed prior to treatment. Ventilate for two hours after treatment. Do not return patients to room until after ventilation.

General: This product can be used undiluted in mechanical sprayers which produce particles of aerosol size or diluted 1 part to 2 1/2 (2.5) parts petroleum distillate and applied as directed below.

Space Spray to Kill Gnats, Houseflies, Mosquitoes and Small Flying Moths: Close room and shut off all air conditioning and ventilating equipment. Apply with mechanical or compressed air sprayer or with fogger that gives small particle size. Direct spray upwards toward upper corners of room and ceiling. Apply at the rate of 0.5 to 1.0 fluid ounce per 1,000 cubic feet of space treated. Vacate room and leave closed for 10 to 15 minutes. Ventilate thoroughly prior to reentry. Sweep up and destroy fallen insects. Repeat as necessary.

Contact or Surface Spray to Kill Ants, Cockroaches, Crickets, Earwigs, Firebrats, Silverfish, Spiders and Solderers: Apply with a sprayer that will give coarse wet droplets. Force spray into cracks and crevices in walls and floors, areas at base of machinery, behind cabinets, around pipes and openings, along baseboards and other insect harborage. Use one gallon of spray per 1,000 square feet of surface to be treated. For ants, spray trails and all points of entry into building. Spray ant nests directly with a soaking application. In all cases, contact as many insects as possible with spray. Repeat as necessary.

To Kill Black Carpet Beetles and Dermestids: Directly spray as many insects as possible. Spray both interior and exterior of upholstered furniture. Both top and bottom of rugs and carpets should be sprayed thoroughly. Also treat shelves, closets, areas under furniture and wherever these insects are seen or suspected. Repeat as necessary.

To Kill Bedbugs: Spray mattresses thoroughly, especially around seams and tufts. Spray bedstead, baseboards, floor boards and wall cracks and crevices. Allow spray to dry before contact. Repeat frequently.

To Kill Exposed Forms of Confused Flour Beetles, Indian Meal Moth Larvae, Lesser Grain Borers, Rice Weevils and Saw-toothed Grain Beetles: Find and destroy infested package goods. Remove all other items from pantry. Spray the shelves to kill any of the named insects present. Place clean paper on the shelves and return packages after shelves have dried. Repeat as necessary.

To Kill Fleas And Ticks: Remove and destroy animal's old bedding and spray sleeping quarters freely. Direct spray into cracks and crevices. Allow spray to dry and replace clean bedding. Do not spray animals directly. Animals should be treated with a registered flea and tick control product prior to reentering treated areas. Repeat as necessary.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place. Keep container closed.

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) and offer for recycling or reconditioning, or dispose of in a sanitary landfill or by other procedures approved by State and Local authorities.

Net Contents _____
Manufactured by:
Mc LAUGHLIN GORMLEY KING COMPANY
8810 Tenth Avenue North
Minneapolis, MN 55427

EPA Reg. No. 1021-1478

EPA Est. No. 1021-MM-1

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