



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

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Steven E. Rogosheske
McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, MN 55427

FEB 15 1991

Subject: Allethrin Standard
Products containing S-Bioallethrin
EPA Reg. No. 1021-1413 EPA Reg. No. 1021-1453 ✓
EPA Reg. No. 1021-1446 EPA Reg. No. 1021-1488
EPA Reg. No. 1021-1447
Submissions: February 24, 1989

Dear Mr. Rogosheske:

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

We understand that MGK is presently evaluating MGK 264 (1021-88) to determine the precise percentage of N-Octyl bicycloheptene dicarboximide. It is clear that the percentage is less than the 100% given for the source material in each of these products. When this determination is made, you must either:

1. Send us corrected labels and CSFs to reflect the true percentage of N-Octyl Bicycloheptene dicarboximide in each of these products, or
2. Alter each formulation sufficiently to justify the percentage of N-Octyl Bicycloheptene dicarboximide shown on the labels and send us revised CSFs to reflect that.

Sincerely,

A handwritten signature in cursive script, appearing to read "Rm", positioned above the typed name.

Richard Mountfort
Product Manager 10
Insecticide & Rodenticide Branch
Registration Division



ESBIOL® Fogging Concentrate 2263
For Use Undiluted or Diluted with Oil

8810 Tenth Avenue N., Minneapolis, Minnesota 55427

TELEPHONE (612) 544-0341

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:

Table listing active ingredients: d-trans-chrysanthemum monocarboxylic acid ester of d-2-allyl-4-hydroxy-3-methyl (1.00%), Piperonyl butoxide, Technical (2.00%), N-Octyl bicycloheptene dicarboximide (3.00%), and INERT INGREDIENTS (94.00% total).

- *S-bioallethrin from ESBIOL®, Roussel-Uclaf; Paris, France
**Equivalent to 1.60% (butylcarbityl) (6-propylpiperonyl) ether and 0.40% related compound
***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 FEB 1 1991 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the Pesticide registered under EPA Reg. No. 10-21-1453

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting because of aspiration 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 re-use. 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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through skin. Contains petroleum distillate. Do not induce vomiting because of aspiration pneumonia hazard. Do not breathe vapors or spray mist. Avoid contact with skin, eyes. In case of contact, flush with plenty of water. Wash with soap and warm water after use. Obtain medical attention if irritation persists. Avoid contamination of food or 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.

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 1 1/2 (1.5) 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, Sowbugs and Spiders: 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 harborages. 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, 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