

1021-1478

05/01/2003

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

MAY - 1 2003

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Julie B. Schlekau  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

Dear Ms. Schlekau:

Subject: Esbiol Fogging Concentrate 2289  
EPA Reg. No. 1021-1478  
Submission dated 2/3/2003

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. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

Because this product contains petroleum distillate, you must include the If Swallowed first aid statement as follows:

If Swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

Revise as follows and move the following statements so that they precede the Note to Physician:

Have the product container with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1 888-740-8712 for emergency medical treatment information.

Revise the Note to Physician as follows:

Contains petroleum distillate – vomiting may cause aspiration pneumonia.

Verify and revise as appropriate the statements that Esbiol is from Roussel-Uclaf.

If you have questions, please call Ann Sibold at 703 305-6502.

Sincerely,

*Ann Sibold*  
for Marion J. Johnson, Jr.  
Product Manager 3  
Insecticide Branch  
Registration Division (7505C)



ESBIOL® Fogging Concentrate 2289

For Use Undiluted or Diluted With Oil

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A.

TELEPHONE (763) 544-0341

For Use in the Home and Non-Food/Feed 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%

OTHER INGREDIENTS-----

93.50%

- \* 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.

100.00%  
**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**MAY - 1 2003**

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

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

**1021-1478**

FIRST AID

IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
NOTE TO PHYSICIAN: This product contains petroleum distillate and may pose an aspiration pneumonia hazard. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call the International Poison Center at 1-888-740-8712.	

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**

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

Do not use in commercial food processing, preparation, food storage or serving areas. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Exposed food should be covered or removed. Non-food areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after canning or bottling).

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

ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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 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 a 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.

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.

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.

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.

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.

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.

**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-MN-2

