



1021-1457

9/30/99

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

SEP 30 1999

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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

Subject: ESBIOL Concentrate 2243  
EPA Registration # 1021-1457  
label amendment submitted 8/19/98, copy re-sent 6/25/99  
accepted with comments

Dear Ms. Schlekau:

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 following comments:

**DELETE** Delete the entire second paragraph in the "Precautionary Statements" block that currently reads "Do not use in commercial food processing ... mop closets and storage areas (after canning or bottling)." This information belongs under Directions for Use and requires some modification.

**ADD** The following paragraph at the beginning of the "Directions for Use" block:

**"WHERE TO USE:** For use in the home and in non-food areas of food processing plants, schools, warehouses, office buildings, theaters, garages, hotels, motels, kennels, and hospitals. 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. Do not use in food areas (i.e. areas where food is received, processed, prepared, stored, or served) of commercial food handling establishments."

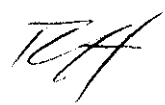
EXPAND     Expand the "General" section in the "Directions for Use" block to read:

**"GENERAL:** Apply this product as a crack and crevice or spot treatment with a compressed air sprayer to localized areas where the insects listed below are found. In the home, do not contaminate food or food handling surfaces. Remove all exposed food before treatment. All food handling surfaces and utensils in the home should be covered during treatment or thoroughly washed before use."

Submit three (3) copies of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A copy of your label stamped "accepted with comments" is enclosed for your records.

Sincerely yours,



Thomas C. Harris  
Insecticide / Rodenticide Branch  
Registration Division (7505C)  
Office of Pesticide Programs

enclosure

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

SEP 30 1999

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**MGK** McLAUGHLIN  
GORMLEY  
KING COMPANY

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

ESBIOL® Concentrate 2243

~~1021-1457~~ Water or Oil Dilutable Concentrate

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

TELEPHONE (612) 544-0341

**RECOMMENDED FOR COMMERCIAL AND INDUSTRIAL USE**

For Use in the Home 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	0.85%
** Piperonyl butoxide, Technical	1.70%
*** N-Octyl bicycloheptene dicarboximide	2.84%
**** Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate]	8.50%

***** OTHER INGREDIENTS	86.11%
	100.00%

- \* S-bioallethrin from ESBIOL®, Hoechst Schering AgrEvo, S.A.
- \*\* Equivalent to 1.36% (butylcarbityl) (6-propylpiperonyl) ether and 0.34% related compounds.
- \*\*\* MGK® 264, Insecticide Synergist
- \*\*\*\* U.S. Patent No. 3,244,586
- \*\*\*\*\* Contains Petroleum Distillate

ESBIOL® - Registered trademark of Hoechst Schering AgrEvo, S.A.

MGK® - Registered trademark of McLaughlin Gormley King Co.

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

FIRST AID

- 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.

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 swallowed. Contains petroleum distillate. Do not induce vomiting because of aspiration pneumonia hazard. Avoid breathing vapors or spray mist. Avoid contact with skin or 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 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.

NOTE TO PHYSICIAN: Solvent may present aspiration hazard. This product contains a cholinesterase inhibitor. Atropine, by injection, is antidotal and should be administered only if signs of cholinesterase inhibition have appeared. 2-PAM is also antidotal and may be used in conjunction with atropine.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish, birds, and other wildlife. 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**

**FLAMMABLE.** Keep away from 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.*

**DILUTION DIRECTIONS:** This concentrate must be diluted with water or petroleum distillate before use. Dilute at the rate of 1 part concentrate to 16 parts water or oil. Mix well and apply as directed below. **DO NOT STORE** water dilutions for future use.

**General:** Apply this product as a crack and crevice or spot treatment with a compressed air sprayer to localized areas where the insects listed below are found.

**To Kill Ants, Cockroaches, Crickets, Earwigs, Firebrats, Silverfish, Sowbugs and Spiders:** 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. Pests driven out of hiding places should be sprayed directly. 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 Fleas and Ticks:** Remove and destroy animal's old bedding and apply this spray as a spot treatment to infested areas such as pet beds and resting quarters, nearby cracks and crevices, along and behind baseboards, window and door frames and localized areas of floor and floor coverings where these pests may be present. 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.

**To Kill Black Carpet Beetles and Dermestids:** Directly spray as many insects as possible. Spray both interior and exterior of upholstered furniture. Where possible, the bottom of rugs and carpets should be spot sprayed. Apply as a spot application to rugs and carpets in areas such as under furniture, corners of rooms, and areas not subject to foot traffic, as these are where carpet beetle larvae are commonly found. Also spot treat shelves, closets, areas under furniture and wherever these insects are seen or suspected. 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