

432 - 870

03/03/2000

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
432-870

Date of Issuance:
MAR 3 - 2000

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional Registration

Name of Pesticide Product:
ESBIOL 300 Insecticide

Name and Address of Registrant (include ZIP Code):

AgrEvo Environmental
95 Chestnut Ridge Road
Montvale NJ 07645

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following labeling changes:
 - a.. Revise the EPA Registration Number to read: "432-870."
3. Submit five (5) copies of the revised final printed labels for the record.

Signature of Approving Official:
Marion Johnson, PM 3

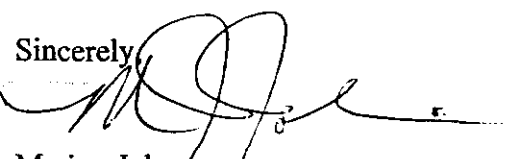
Date: MAR 3 - 2000

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EPA Reg. No. 432-870

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely, 

Marion Johnson
Product Manager 03
Insecticide Branch
Registration Division (7505C)

enclosure

ESBIOL® 300 INSECTICIDE

- Recommended for use by Pest Control Operators and/or Commercial Applicators
- For Residential, Industrial and Institutional Control of Major Nuisance Pests Listed on Back Paneling of Label

IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING, OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING 1-800-XXX-XXXX.

FOR PRODUCT INFORMATION, CALL TOLL-FREE: 1-800-XXX-XXXX.

ACTIVE INGREDIENT:

S-Bioallethrin: d-trans-chrysanthemum monocarboxylic acid ester of d-2-allyl-4-hydroxy-3-methyl..... 3.00%
 OTHER INGREDIENTS†: 97.00%
 100.00%

Esbiol is a registered trademark of AgrEvo S.A.
 †Contains Petroleum Distillates

EPA Reg. No.: 432-

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

If In Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

Note To Physician: This product may pose an aspiration pneumonia hazard. Contains Petroleum Distillate.

See Side Panel for Additional Precautions

AgrEvo Environmental Health
 95 Chestnut Ridge Road
 Montvale, NJ 07645

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

Caution

Causes eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

Environmental Hazards

This product is highly toxic to fish. Do not apply to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Esbiol 300 is intended for use in and around residential, industrial and institutional structures and their immediate surroundings and on various modes of transportation. Permitted areas of use include, but are not limited to:

- stores and institutions
- industrial buildings and installations
- unoccupied poultry houses,
- horse stalls, cattle barns
- schools
- trucks
- food manufacturing, processing and servicing establishments
- buses
- laboratories
- apartments
- mausoleums
- houses
- restaurants
- railcars
- ships and vessels
- warehouses
- hotels

Esbiol 300 may be applied as a space, general surface, spot or crack & crevice treatment. Treatments may be applied as necessary to maintain adequate control. Remove pets and cover aquariums and terrariums before spraying. Do not apply to classrooms when in use.

ACCEPTED with COMMENTS
 NET CONTENTS Dated:
 MAR 3 - 2000

Under the Federal Insecticide, Fungicide, and Plant Disease Act, as amended, for the pesticide registered under EPA Reg. No. 432-870

INDOOR USE AS A SPACE SPRAY

The use of this product in food processing or food handling establishments should be confined to time periods when the plants or facilities are not in operation. Do not apply directly to food or feedstuffs. Food should be removed or covered during treatment. All food/feed processing surfaces should be covered during treatment or washed with an effective cleaning compound followed by a potable water rinse before use. When using the product in these areas, apply only when facility is not in operation.

In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment. Exposed food should be covered or removed.

In food/feed handling establishments, surface and crack and crevice treatments are permitted while facility is in operation.

GENERAL: This concentrate is designed for use undiluted in ULV sprayers that give particles of aerosol size.

When used according to label directions, this product is effective in the control of the following insects: *Mosquitoes, Flies, Fleas, Flying Moths, Gnats, Cockroaches, Ants, Cigarette Beetles, Angoumois Grain Moths, Deer Flies, Dried Fruit Beetles, Drugstore Beetles, Fruit Flies, Horn Flies, Hornets, Horseflies, Indianmeal Moths, Wasps, Mediterranean Flour Moths, Stable Flies, Tobacco Moths, Meal Moth Larvae and Adults, Cadelles, and Saw-toothed Grain Beetles.*

For use indoors and outside premises of hotels, motels, homes, schools, nurseries, day care centers, day camps, seed houses, food/feed handling establishments, packaging and processing plants, commercial, industrial, office, institutional and storage buildings, milk handling areas of milk plants, milk storage rooms, egg processing plants, supermarkets, restaurants, bottling plants, canneries, flour and feed mills, bakeries, boats, ship cabins, nursing homes and hospitals. In hospitals, remove patients prior to treatment. Ventilate room for two hours before returning patients. Also for use in dog kennels and horse stables. In horse stables, not for application if horses will be used for food. Remove animals before spraying facilities.

AEROSOL SPRAY This product is designed for use, undiluted in ULV sprayers that give particles of aerosol size, such as ACTISOL® equipment.

SPACE SPRAY: Undiluted in Aerosol Generators to Kill *Exposed Accessible Stages of Flies (including*

Fruit Flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Ants and the following common Stored Product Pests: *Rice Weevils, Confused Flour Beetles, Saw-toothed Grain Beetles, Cigarette Beetles, Drugstore Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indianmeal Moths, Tobacco Moths, Yellow Meal Worms, and Dark Meal Worms.* Remove or cover exposed food/feed and food/feed handling surfaces. Close room and shut off all air conditioning or ventilating equipment. Apply at the rate 1 fluid ounce of undiluted concentrate per 1000 cubic feet of space. Direct output from aerosol generator toward upper corners of room and ceiling. Leave room closed for 2 hours and ventilate thoroughly before re-entry.

SPACE SPRAY For Ordinary Mechanical Fogging Equipment to Kill *Flies, Fruit Flies, Mosquitoes, Small Flying Moths and Gnats:* Close room and shut off all air conditioning or ventilating equipment. Apply at the rate of 1 fluid ounce per 1000 cubic feet of space. Direct fog upward towards upper corners of room and ceiling area. Leave room closed for 2 hours and ventilate thoroughly before re-entry.

CONTACT SPRAY: For Use with Sprayers that Give Large Wetting Spray Particles to Kill *Cockroaches and Accessible Stages of Granary Insects: Rice Weevils, Confused Flour Beetles, Meal Moth Larvae and Adults, and Saw-toothed Grain Beetles:* Spray outside walls of grain bins, flooring, around base of milling machinery, walls and baseboards, areas behind cabinets, around pipes, and other insect harborages using 1 gallon of spray per 1000 square feet of surface. Force spray into cracks and crevices. Repeat applications as necessary.

CONTACT AND SPACE SPRAY: To Kill *Cockroaches and Ants* in Sheltered Situations: With ULV spraying device, apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes, and in all places where these insects find shelter. Contact as many insects as possible. Do not allow spray to contact stored food. Use at a dosage rate of approximately 1 fluid ounce per 1000 cubic feet of room space. Repeat dosage as necessary for control. Leave room closed for 2 hours. Do not remain in treated areas and ventilate the areas before re-entry.

SURFACE SPRAY: To insure maximum control of crawling insects (*Ants, Drugstore Beetles, Fleas, and Lice*), use approximately 1 fluid ounce of product to 1000 square feet of surface. Spray walls, floor and other surfaces of bins and storage and handling areas thoroughly with ULV spraying device, being especially careful to treat cracks, crevices and similar hiding places. Treat unloading, handling and processing areas and inside conveying, processing

and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Spray insects directly when possible.

AS AN AID IN CONTROL OF MOSQUITOES, GNATS, WASPS, AND SKIPPERS: Treat walls, ceilings, moldings, screens, door and window frames, beams, light cords and similar resting places.

DRIED FRUIT PRODUCTS: in storage or being processed, for control of *Confused Flour Beetles*, *Dried Fruit Beetles*, *Indian Meal Moths*, and *Saw-toothed Grain Beetles*: Remove and destroy infested products. Disperse this product first by directing spray into corners, under pallets, and around stacks of packaged foods hitting as many insects as possible and then treat as a space spray. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose. Use a dosage of 1 fluid ounce per 1000 cubic feet of space. Do not remain in treated areas and ventilate area before re-entry. This application will kill accessible, exposed stages of the stored product pests listed above. Sweep up and destroy fallen insects.

OUTDOORS

CONTACT SPRAY: To kill nuisance pests around buildings, patios and paved areas, spray directly on insects.

TO KILL ANTS: Spray around doors and window frames, ant trails and hills. Contact as many insects as possible.

TO CONTROL *House Flies*, *Mosquitoes*, and *Gnats* and crawling insects around premises, spray thoroughly around doors, window frames and similar areas of entry. Also, thoroughly spray garbage and refuse areas. Contact as many insects as possible.

ANIMAL QUARTERS (Unoccupied Cattle Barns, Poultry Houses, Swine Houses, Zoos, Milking Parlors, Milkrooms and Dairies): As a space spray for use in conventional mechanical fogging or spraying equipment to control *flies*, *small flying moths*, *mosquitoes* and *gnats*. Apply at the rate of 1.0 ounce Esbiol 300 per 1000 cubic feet of space. Direct the spray towards the upper portions of the enclosure filling the room with mist. Keep area closed for at least 15 minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment if reinfestation occurs.

THERMAL APPLICATIONS: For reduction in annoyance from *Flies*, *mosquitoes* and *gnats* in yards, patios, around swimming pools, picnic areas, camp sites, drive-ins, and other small area applications, apply Esbiol 300 at a rate up to 1.0 ounce per 1000 square feet. Fog only when there is

no breeze or the wind velocity is less than 3 mph (5 kph). The ideal time is generally at dusk or dawn when wind dies down and the air and ground temperatures are approximately the same. Under these conditions, the fog will linger in the treated area for a longer time. Apply fog while moving away from treated area. Avoid inhalation of the fog. Do not enter the treated area until the fog has dissipated. Repeat as necessary.

ORNAMENTAL PESTS: Use Esbiol 300 to treat flowers, shrubs and flowering trees and evergreens found to be infested with the following pests: *armyworms*, *bagworms*, *cankerworms*, *cutworms*, *elmleaf beetles*, *flea beetles*, *grasshoppers*, *gypsymoth larvae*, *adult Japanese and June beetles*, *lacebugs*, *leafhoppers*, *leafrollers*, *leaf skeletonizers*, *loopers*, *oakworms*, *plant bugs*, *pine moths*, *sawfly larvae*, *span worms*, *stinkbugs*, *tent caterpillars*, *ticks*, *treehoppers*, *webworms*.

Lightly spray foliage to thoroughly cover upper and lower leaf surfaces. Avoid over-application. Treat when pests appear and repeat as necessary.

STORAGE AND DISPOSAL

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

Pesticide Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or by an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

CONTAINERS ONE GALLON AND SMALLER: Store in original container in a cool, dry place inaccessible to children and pets. Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond AgrEvo Environmental Health's control, it is impossible for AgrEvo Environmental Health to eliminate all risks associated with the use of

this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY OR OF FITNESS FOR PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo Environmental Health is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo Environmental Health disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liabilities arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATION OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AGREVO ENVIRONMENTAL HEALTH'S ELECTION, THE REPLACEMENT OF PRODUCT.

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