

432-871

3/1/2000

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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:
432-871

Date of Issuance:
MAR 1 2000

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional Registration

Name of Pesticide Product:
ESBIOL 2000 INSECTICIDE

Name and Address of Registrant (include ZIP Code):

**Agr-Evo Environmental Health
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: " 432-871."
3. Submit five (5) copies of the revised final printed labels for the record.

Signature of Approving Official:
Marion Johnson, PM 3

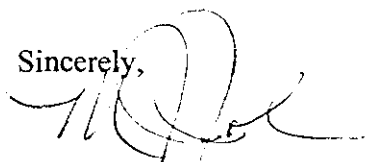
Date:
MAR 1 2000

EPA Reg. No. 432-871

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® 2000 INSECTICIDE

- < For Use in TurboCide GOLD® Pest Control Systems
- < This Unique Aerosol System Employs Liquid Carbon Dioxide as a Solvent and Propellant
- < Recommended for Industrial/Institutional and Commercial Use
- < For Use in Food and Feed Processing and Handling Sites, Warehouses, Commercial Transport Facilities, Private and Commercial Dwellings, Animal Shelters, Schools and Day Care Centers, Hospices, Hospitals, Buildings and Other Commercial, Industrial and Governmental Sites
- < No Post Application Odor
- < Controls Stored Product Pests
- < Controls Flying and Crawling Insects

ACTIVE INGREDIENT:

*S-Bioallethrin: d-trans-chrysanthemum monocarboxylic acid ester of d-2-allyl-4-hydroxy-3-methyl.....	20.0%
OTHER INGREDIENTS†:.....	80.0%
	100.0%

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.

Note to Physician: This product may pose an aspiration pneumonia hazard. Contains Petroleum Distillates.

See Side Panel For Additional Precautions

NET CONTENTS:

AgrEvo Environmental Health
 95 Chestnut Ridge Road
 Montvale, NJ 07645

RECEIVED
 MAR 1 2000
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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.

PRECAUTIONARY STATEMENTS
Hazards To Humans & Domestic Animals
CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove pets, birds and cover fish and lobster aquariums before spraying.

Do not apply directly to food or feed. Do not apply while food/feed processing is underway. Food/feed should be removed or covered before treatment. Thoroughly wash all food/feed processing surfaces before reuse. In food/feed handling plants, all surfaces in processing areas must be covered prior to treatment or washed and rinsed in potable water after spraying.

DIRECTIONS FOR USE

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

Cylinders should be checked periodically. A defective cylinder should not be used. A cylinder that has parts missing, is worn or is distorted should be replaced immediately. Store upright in a cool, dry area. Pesticide that cannot be used according to label instructions must be returned to the point of purchase.

Esbiol 2000 may be used as a space spray for the control of flying insects such as **house flies, fruit flies** and **moths** or as a contact spray for the control of crawling insects such as **ants, beetles, cockroaches** and **spiders**.

For use in food and feed processing and handling sites, commercial transportation facilities, private and commercial dwellings, animal shelters, schools and day care centers, hospices, hospitals and nursing homes, non-residential buildings and other commercial, industrial and governmental sites. In hospitals, nursing homes and hospices, remove all patients prior to treatment. Ventilate area for 2 hours before returning patients.

TurboCide GOLD with Esbiol 2000 is to be used as a space spray applied using apparatus designed or approved by AgrEvo Environmental Health. Apply TurboCide GOLD with Esbiol 2000 at an application rate not to exceed 3.5 grams/1000 ft³ (25 mg ai/m³), diluting as required following the instructions of the spraying equipment.

For optimum performance, close all doors and windows, shut off all HVAC equipment. The area should be closed for a minimum of 2 hours after treatment. The frequency of application should be determined by the degree of infestation and should be sufficient to interrupt the life cycle of the target species. Where exposure periods are in excess of 2 hours (i.e. up to 6 hours), the lower application rates may be used to achieve the same level of control.

For control of flying insects such as **house flies, fruit flies** and **moths**, apply Esbiol 2000 at an application rate of up to 1.29 grams per 1000 cubic feet of space. After treatment, ventilate the area and sweep up and discard insects. Repeat treatment as necessary.

For control of crawling and flying insects as a contact spray, apply at an application rate of up to 3.5 grams per 1000 cubic feet of space.

Dosage Chart

Target Species		Dose Rates Target mg ai/m ³	Dose Rates Target g Esbiol 2000 /1000 ft ³
Indian meal moth	<i>Plodia interpunctella</i>	3	0.43
Cocoa moth	<i>Ephestria</i> spp.	3	0.43
Tobacco moth			
Wasps	vespidae	3	0.43
mosquitoes	culicidae	3	0.43
Ants	formicidae	3	0.43
House fly	<i>Musca domestica</i>	6 - 9	0.86 - 1.29
Fruit flies	<i>Drosophila</i> spp.	6 - 9	0.86 - 1.29
Cigarette beetle	<i>Lasioderma serricorne</i>	6 - 9	0.86 - 1.29
German cockroach	<i>Blattella germanica</i>	6 - 9	0.86 - 1.29
American cockroach	<i>Periplaneta americana</i>	6 - 9	0.86 - 1.29
Oriental cockroach	<i>Blatta orientalis</i>	6 - 9	0.86 - 1.29
Warehouse beetle	<i>Trogoderma variabile</i>	6 - 9	0.86 - 1.29
Saw-toothed grain beetle	<i>Oryzaephilus surinamensis</i>	9 - 12	1.29 - 1.72
Hide beetle	<i>Dermestes maculatus</i>	12	1.72
Confused flour beetle	<i>Tribolium confusum</i>	12 - 20	1.72 - 2.80
Red flour beetle	<i>Tribolium castaneum</i>	12 - 25	1.72 - 3.5
Spiders	Aranae	15 - 25	2.15 - 3.5

For maintenance programs, the lower application rates should be used. For clean-out treatments, the higher application rates should be used. The dose applied will also depend on a variety of factors which include the overall size (volume) and height relative to floor area of the facility, temperature during treatment, ventilation/air tightness of treated room, strain on insect, treatment history and the exposure period (2 to 6 hours) of the pest population to the fog. In general, higher doses will be required to achieve good levels of control in smaller facilities or those with low ceilings or drafty, poorly sealed buildings. Short exposure times or higher temperatures may also require higher doses to achieve acceptable control.

STORAGE & DISPOSAL

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

Pesticide Storage: This cylinder must be checked periodically. A defective cylinder should not be used. A cylinder that has parts missing, is worn or is distorted should be replaced immediately. Store upright in a cool, dry area.

Pesticide Disposal: Pesticide that cannot be used according to label instructions must be returned to the point of purchase in its original container.

Container Disposal: This cylinder must not be disposed of in any manner. Cylinders must be returned to the point of purchase for credit. All cylinders, valves and caps remain the property of the manufacturer. Federal regulations prohibit the refilling of cylinders without written consent of the manufacturer.

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.