

PM90

275-77

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

FEB 24 1997

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Marvin H. Alphin  
Manager, Ag Registrations  
Abbott Laboratories  
Chemical and Agricultural Products Division  
Dept. 28R, Bldg. A1  
1401 Sheridan Road  
North Chicago, Illinois 60064-4000

SUBJECT: Vectolex CG Biological Larvicide (EPA Reg. No. 275-77)  
Label Amendment - Change in Signal Word to CAUTION  
Change in Precautionary Verbiage  
Redesignation of Use Sites (Non-Crop)  
Name Change from Vectolex CG Biological Mosquito Larvicide  
Your Submission Dated November 16, 1996. and February 3, 1997

Dear Mr. Alphin:

The Agency is responding your request for the above label changes as contained in your November 15, 1996 application for an amendment to the registration. Our reply also addresses your April 22, 1996 submission of a primary dermal irritation study in rabbits (MRID No. 43991901) which also sought Agency approval for a change in the signal word and precautionary verbiage. This reply also addresses your request letter dated June 18, 1996 to make revisions as requested by the North Carolina Department of Agriculture for language addressing "Precautionary Statements Hazards to Humans and Domestic Animals" and your February 3, 1997 request for a name change from "Vectolex G Biological Mosquito Larvicide" to "Vectolex G Biological Larvicide." The Agency's conclusions follow:

Guideline 152-34 "Primary Dermal Irritation Study" MRID No. 439919-01

All animals survived throughout the study. Very slight erythma was observed in 3/6 rabbits at Hour 1, 1/6 rabbits at Hour 24. Well-defined erythma was observed in 1/6 rabbits at Hour 24. Very slight edema was observed in 1/6 rabbits at Hour 1. All symptoms disappeared by Hour 48. No other signs of toxicity were present at any time during the study.

Therefore the primary irritation index for Vectolex Technical Powder is 0.3, corresponding to a mildly or slightly irritating rating -- Toxicity Category IV.

The inclusion of the following statements for this product is noted and accepted:

ENVIRONMENTAL HAZARDS "Do not contaminate water when disposing of equipment washwaters."



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Printed on paper that contains  
at least 75% recycled fiber

and

STATEMENT OF PRACTICAL TREATMENT

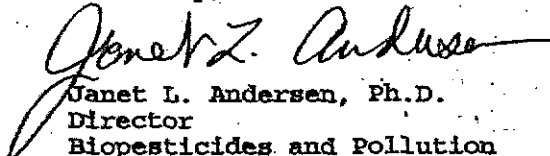
"If in eyes: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

If on skin: Wash thoroughly with plenty of soap and water. Get attention if irritation persists."

The Agency's conclusion is that the amendments referred to above, submitted in connection with registration under the Federal Insecticide, fungicide, and Rodenticide Act, as amended, are acceptable. Therefore, the label transmitted November 15, 1996 is now the most current. Additionally, the formal request for a name change is approved. A stamped label is enclosed for your records.

If you have questions regarding this letter, please contact Teung F. Chin, Regulatory Action Leader, at (703) 308-1259.

Sincerely,



Janet L. Andersen, Ph.D.  
Director  
Biopesticides and Pollution  
Prevention Division (7501W)

Enclosure

TFChin/CSI/308-1259/2-3-97/  
C:\REG\275\77.AGG/Bacillus Sphaericus/0247 119801

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**VECTOLEX CG**

**Biological Larvicide**

**ACTIVE INGREDIENT:**

*Bacillus sphaericus* Serotype H5a5b, strain 2362 Technical Powder  
(670 /BaITU/mg).....

7.5%

**INERT INGREDIENTS.....**

92.5%

**TOTAL.....**

100.0%

Potency: This product contains 50 BaITU/mg or 0.023 Billion BaITU/lb  
Expiration Date: (Two years from date of manufacture).

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Chemical and Agricultural Products Division  
Abbott Laboratories  
North Chicago, Illinois 60064

**ACCEPTED**  
FEB 24 1997  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under 275-77  
EPA Reg. No.

EPA Reg. No. 275-77

EPA Est. 33762-1A-1

Lot No.

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## STATEMENT OF PRACTICAL TREATMENT

**If in eyes:** Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

**If on skin:** Wash thoroughly with plenty of soap and water. Get medical attention if irritation persists.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

#### ENVIRONMENTAL HAZARDS

Do not contaminate water when 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.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not contaminate water when disposing of equipment washwaters.

**PESTICIDE STORAGE:** Store in a cool, dry place.

**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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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## APPLICATION DIRECTIONS

**MOSQUITO CONTROL**

For control of larvae of *Culex* species in the following non-crop sites:

**Habitat****Rate Range****Wastewater:**

Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impounded wastewater associated with fruit and vegetable processing.

5-20 lbs/acre\*

**Stormwater/Drainage Systems:**

Storm sewers, catch basins, drainage ditches, retention, detention, and seepage ponds.

5-20 lbs/acre\*

**Marine/Coastal Areas:**

Salt marshes, mangroves, estuaries.

5-20 lbs/acre\*

**Water Bodies:**

Natural and manmade aquatic sites such as lakes, ponds, rivers, canals and streams.

5-20 lbs/acre\*

**Dormant Rice Fields:**

Impounded water in dormant rice fields. (For application only during the interval between harvest and preparation of the field for the next cropping cycle.)

5-20 lbs/acre\*

\*Use higher rates (10 to 20 lbs/acre) in areas where extended residual control is necessary, or in habitats having deep water or dense surface cover.

**Waste Tires:**

Tires stockpiled in dumps, landfills, recycling plants, and other similar sites.

20-80 lbs/acre<sup>(1)</sup>

<sup>(1)</sup> .5-2 lbs/1000 sq. ft.

Apply uniformly by aerial or conventional ground equipment. Reapply as needed after 1-4 weeks.

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**NOTICE TO USER**

Seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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