

5185-339

5-27-2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY


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

 OFFICE OF
 PREVENTION, PESTICIDES
 AND TOXIC SUBSTANCES

May 27, 2003

 Mark Jernigan
 Federal Registration Manager
 Bio-Lab, Inc.
 P.O. Box 1489
 Decatur, GA 30031

 Subject: BioGuard Algae All 60
 EPA Registration No. 5185-339
 Application Date: February 27, 2003
 EPA Received Date: March 11, 2003

Dear Mr. Jernigan:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the conditions listed below:

Proposed Amendment

- Update First Aid Statements per PR Notice 2001-1
- Add alternate marketing statements for swimming pool and spa applications
- Add re-entry statement
- Add directions for additional use sites: industrial fresh water systems, cooling towers, water fountains/reflecting ponds, starch in paper manufacture, and mollusk control in cooling water and industrial systems

Conditions

Revise the label as follows:

1. On page 1, delete the microorganism "bacteria" from the pests listed on the front panel. Bacteria is considered to be a public health claim. Efficacy must be submitted to support this claim.

CONCURRENCES

SYMBOL	75100						
SURNAME	Teal						
DATE	5-27-03						

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2. On page 6, revise the statement "Then make an initial slug addition of 0.9 to 22 fluid ounces of this product..." to read "Then make an initial slug addition of 0.9 to 2.2 fluid ounces of this product..." to agree with the product being cited , EPA Registration No. 1448-42.
3. On page 6, revise the statement "Make subsequent slug additions of 0.2 to 22 fluid ounces of this product..." to read "Make subsequent slug additions of 0.2 to 2.2 fluid ounces of this product..." to agree with the product being cited , EPA Registration No. 1448-42.
4. On page 8, revise the Precautionary Statements to read:
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Avoid contact with eyes, skin, or clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Wash thoroughly with soap and water after handling.

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit three(3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact me at 703-308-6422.

Sincerely,



Adam Heyward
Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510 C)

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{All text in brackets [xxx] is optional and may or may not be included on a final label.}
{All text in braces {xxx} is administrative and will not appear on a final label.}

BIOGUARD
ALGAE ALL 60

{Optional marketing statements that may be used with swimming pool algacide.}
[Step 3] *{Algicides are marketed as step three of a three step program to treat swimming pool water.}*
[Non-foaming, ideal for pools with attached spas]
[Algacide for Use in Swimming Pools]
[Non-foaming algae preventative]
[Prevents all types of algae]
[Algae Control for Swimming Pools]
[Non-Foaming]

{Optional marketing statements that may be used with spa algacide.}
[Algae Control for Spas]
[Prevents all types of algae]
[For Spas]
[Non-Foaming]
[Non-foaming algae preventative]

{Optional marketing statements that may be used with winter pool algae preventative.}
[Winter Algacide]
[Prevents all types of algae]
[Non-foaming algae preventative]

{Optional marketing statements that may be used with industrial and institutional uses.}
[For control of algae, bacteria, fungi and mollusks in cooling water and industrial process water systems.]
[For control of algae in water fountains and reflecting ponds.]

ACTIVE INGREDIENT:
Poly [oxyethylene (dimethyliminio)
ethylene (dimethyliminio) ethylene dichloride] 60.0%
OTHER INGREDIENT: 40.0%
TOTAL INGREDIENTS: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

ACCEPTED
with COMMENTS
EPA Letter Dated:

MAY 27 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 5185-339

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FIRST AID: 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 eye. Call a poison control center or doctor for treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. [IN CASE OF MEDICAL EMERGENCY, CALL [1-303-623-5716] [1-877-800-5553] [telephone number supplied by supplemental registrant].]

See [back] [side] panel for additional precautionary statements.

BIO-LAB, INC.
PO BOX 1489
DECATUR, GEORGIA

EPA REG. # 5185-339
EPA EST. # 5185-GA-1

NET CONTENTS:



{Directions to be used for swimming pool algaecide.}

SWIMMING POOL ALGAECIDE AND ALGAE PREVENTATIVE

[This product is used to control and prevent the growth of algae in swimming pools [and swimming pools with attached spas] [and swimming pools with attached spas, waterfalls, or decorative fountains]. This product may be used in systems sanitized with chlorinating or brominating products. This product will not foam and prevents all types of algae.]

[Use this non-foaming algaecide to prevent and control swimming pool algae. Ideal for pools with attached spas. Can be applied in pools with chlorinating or brominating sanitizing systems.]

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

Ensure all equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. In chlorinated systems, add stabilizer to establish a minimum stabilizer level of 30-40 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals and if present add a stain and scale inhibitor to prevent staining of pool surface due to metals. Adjust chlorine residual to 1-3 ppm. When using other products as outlined in directions for this product, always follow directions on those products.

Pools containing **heavy growth of algae** should be cleaned prior to using this product. For pools having **light algae growth**, pour the initial dose of 11-17 fluid ounces of this product per 10,000 gallons of water directly into pool. Remove settled algae debris by cleaning. For treatment of a **freshly cleaned and filled pool**, pour the initial dose of 6-11 fluid ounces of this product per 10,000 gallons of water directly into pool. Additions of 2-4 fluid ounces of this product per 10,000 gallons of water should be made every 5-7 days after initial treatment for maintenance. Wait at least 15 minutes after application before entering pool.

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{Directions to be used for spa algaecide.}

ALGAECIDE AND ALGAE PREVENTATIVE FOR SPAS AND HOT TUBS

[This non-foaming product is used to control the growth of algae in spas, whirlpools, and hot tubs. This product may be used in systems sanitized with chlorinating or brominating products.]

[This product will prevent algae growth in spas and/or hot tubs. It is non-foaming and can be used in chlorinating or brominating sanitizing systems.]

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

Ensure all equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. Adjust chlorine residual to 1-3 ppm or bromine residual to 2-4 ppm. When using other products as outlined in directions for this product, always follow directions on those products.

Spas containing **heavy growth of algae** should be cleaned prior to using this product. Spas, whirlpools, or hot tubs having **just visible algae growth** require an initial dose of $\frac{1}{2}$ - $1\frac{1}{4}$ teaspoons of this product per 100 gallons of water. For treatment of a **freshly cleaned and filled spa, whirlpool, or hot tub**, add initially $\frac{1}{4}$ - $\frac{3}{4}$ teaspoons of this product per 100 gallons of water. Subsequent additions of $\frac{1}{8}$ - $\frac{1}{4}$ teaspoons of this product per 100 gallons of water should be made every 5-7 days after initial treatment for maintenance. Wait at least 15 minutes after application before entering spa.

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{Directions to be used for winter pool algae preventative.}

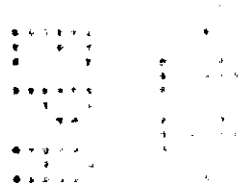
WINTER ALGAE PREVENTATIVE FOR SWIMMING POOLS

[This product when used as directed will prevent growth of most algae during the off-season winter months when pools are not in use.]

[This non-foaming algae preventative works to prevent algae growth when the pool is not being used due to cold winter temperatures.]

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

For pools which have been properly treated during the swimming season and are free of visible algae, add 6-10 fluid ounces of this product per 10,000 gallons of water. If at the end of the swimming pool season pool has some visible algae growth, add 12-17 fluid ounces per 10,000 gallons. It is necessary that a uniform distribution of this product throughout the pool be made for maximum effectiveness. If pool is not covered, it may be necessary to repeat the treatment one or more times during the off season.



{The following directions are for use on industrial and institutional products. One or more use patterns may appear on a single end use label.}

{This Directions for Use statement will be used when directions for industrial and institutional uses appear on the label.}

DIRECTIONS FOR USE:

It is a violation of federal law to use this product in any manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

This product is used to control algae, bacteria, fungi and mollusks in cooling water and industrial process water systems.

INDUSTRIAL FRESH WATER SYSTEMS

This product is used to control the growth of algae in holding ponds and reservoirs and to control the growth of bacteria and fungi in holding and processing tanks of industrial fresh water systems supplying water to pulp and paper mills, textile mills, and other manufacturing plants. In such systems, it is employed as a replacement for, or supplement to, the conventional treatment with chlorine or chlorine compounds. In pulp and paper mills, treatment of the fresh water with this product can make an important contribution to slime control. The use of this product as described will reduce the development of slime in fresh water pipes, fresh water spraying nozzles, and on the pulp and paper mill machine parts contacted by fresh water. However, this product is not recommended for use as the primary micro-biocide for pulp and paper mill slime control since absorbents such as wood pulp rapidly absorb the product and greatly reduce its concentration in the circulating water. NOTE: Do not use in paper and paperboard that will contact food.

For the control of algae, bacteria, and fungi in industrial fresh water systems, this product is added at the rate of 1 to 11 fluid ounces of this product per 10,000 gallons of water to provide a concentration of 1 to 10 ppm of product. Treatment is usually made continuously and should be based on the amount of water entering a pond or reservoir or leaving the pond or reservoir and entering the intermediate processing operations. In some cases, regular treatment periods of several hours each day will provide adequate control of the microorganisms.

COOLING TOWERS

Prior to the use of this product in water cooling towers, systems should be cleaned to remove algal growth, microbiological slime, and other deposits. Then make an initial slug addition of 0.9 to 22 fluid ounces of this product per 1,000 gallons of water to provide 8 to 20 ppm of product, based on the total weight of water in the system. Repeat initial dosage until control is evident. Make subsequent slug additions of 0.2 to 22 fluid ounces of this product per 1,000 gallons of water (2 to 20 ppm this product) every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

AIR WASHERS

This product is used to control bacteria in industrial air washing systems that maintain effective mist eliminating components. Prior to its use systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 3.33 to 5.55 fluid ounces of this product per 1,000 gallons of water is recommended. Repeat dosage until control is evident. Subsequent slug additions of 2.25 to 5.55 fluid ounces of this product per 1,000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or to the water collection trays of the airwash system.

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WATER FOUNTAINS/REFLECTING PONDS

This product is used to control the growth of algae in decorative fountains and ponds that do not contain fish. Heavy growths of algae should be manually cleaned prior to treatment. Fountains and ponds with just visible algae growth require an initial dose of 1.0 to 2.0 fluid ounces of this product per 1,000 gallons of water. To treat a freshly cleaned and filled fountain, add to 0.5 to 1.5 fluid ounces of this product per 1,000 gallons of water. Maintenance dosages of 0.2 to 0.5 fluid ounces of this product per 1,000 gallons of water should be added every 5 to 7 days as needed. Additions of this product should be made at a point to ensure uniform distribution. This product may be used in fountains and ponds treated with chlorinating chemicals, but do not mix this product with concentrated dry or liquid chlorinating products.

STARCH IN PAPER MANUFACTURE

This product will retard microbial growth that causes degradation of cooked starch used in paper manufacture. This product is added at a rate of 25 to 250 ppm based on the total weight of the starch and water. The treatment rate necessary to retard spoilage of the starch will vary with the extent of contamination of the make-up water and the length of storage. NOTE: Do not use in paper and paperboard that will contact food.

MOLLUSK CONTROL IN COOLING WATER AND INDUSTRIAL SYSTEMS

To control mollusks such as *Corbicula* species in recirculating or once-through cooling water and industrial systems, add this product at dosage rates of 2 to 20 ppm. Additions should be made continuously or intermittently to the intake water. Continuous addition is required for noticeably fouled systems. Intermittent feeding is used to maintain control. This product is used to control algae and mollusks such as *Corbicula* and *Dreissena* species in potable water treatment systems. Mitigation: Add this product to the raw water at dosage rates of 2 to 5 ppm (2 to 5 mL of product per 1,000 L of water). For badly fouled systems, treatment should be continuous for up to 21 days, followed by regular control treatments. Control: To avoid fouling of potable water systems by mollusks, treat the raw water at 2 ppm for 60 minutes, repeating this treatment daily or a continuous feed of 0.5 mg/L.

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{Storage and disposal for labels with recreational water treatment directions.}

[STORAGE AND DISPOSAL: Keep this product dry in original tightly closed container when not in use. Store in a cool, dry, well ventilated area. Do not contaminate food or feed by storage or disposal. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.]

{Storage and disposal for labels with industrial and institutional directions.}

[STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not stack more than four drums high, if applicable. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be adsorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

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). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION: Avoid contact with skin, eyes, or clothing. Harmful if swallowed. Wear goggles or safety glasses and rubber gloves when handling this product.

PHYSICAL OR CHEMICAL HAZARDS: Do not mix with other chemicals.

{Environmental hazards statement for end-use products in containers of less than 5 gallons (liquid).}

[ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms.]

{Environmental hazards statement for end-use products in containers of equal to or greater than 5 gallons (liquid).}

[ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. 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.]

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

