

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

September 23, 2004

Mark Jernigan  
Federal Registration Manager  
Aqua Clear Industries, Inc.  
P.O. Box 2456  
Suwanee, GA 30024

Subject: Hydrology Cooling Tower Microbiocide  
EPA Registration No. 45309-38  
Application Dates: July 7, 2004  
EPA Received Dates: July 12, 2004

Dear Mr. Jernigan:

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

**Proposed Amendment**

- Basic Formula (see basic CSF dated 7/6/04)
- Revised labeling

**Conditions**

Revise the label as follows:

1. On page 3, revise the statement "Prior to its use, systems must be cleaner..." to read "Prior to its use, systems must be cleaned..."
2. On page 3, revise the statement "An initial slug addition of 4.0 to 10.0 fluid ounces of [Hydrology Cooling Tower Microbiocide][this product] per 100 gallons..." to read "An initial slug addition of 4.0 to 10.0 fluid ounces of [Hydrology Cooling Tower Microbiocide][this product] per 1000 gallons..."

**CONCURRENCES**

SYMBOL	75100						
SURNAME	Gray						
DATE	9/23/04						

- 3. Add the following statement immediately following the Storage and Disposal heading:

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

**General Comments**

The changed Basic Confidential Statement of Formula, dated July 6, 2004, supersedes all previously accepted basic formulas. A copy has been placed in your file for future reference.

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)

{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.}

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45309-38

**Hydrology Cooling Tower Microbiocide**

**ACTIVE INGREDIENT:**

Poly[oxyethylene (dimethyliminio) ethylene-  
(dimethyliminio) ethylene dichloride] ..... 15.0%

**OTHER INGREDIENTS:** ..... 85.0%

**TOTAL INGREDIENTS:** ..... 100.0%

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

**SEP 23 2004**

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

This product contains 1.29 lb. of active ingredient per gallon and weighs 8.58 lb. per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FIRST AID:**

**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.

**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 INHALED:** - Move person to fresh air.  
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.  
- Call a poison control center or doctor for treatment advice.

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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].]

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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

MANUFACTURED FOR:

AQUA CLEAR INDUSTRIES, INC.  
PO BOX 2456  
SUWANEE, GEORGIA 30024

EPA REG. # 45309-38  
EPA EST. # 5185-GA-1

NET CONTENTS:

**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.

**RECIRCULATING COMMERCIAL AND INDUSTRIAL WATER COOLING TOWERS:**

[Hydrology Cooling Tower Microbiocide] [This product] is used to control algae, bacteria, and fungi in recirculating commercial and industrial water cooling towers. Prior to its use, systems must be cleaner to remove algal growth, microbiological slime, and other deposits. An initial slug addition of 4.0 to 10.0 fluid ounces of [Hydrology Cooling Tower Microbiocide] [this product] per 100 gallons of water to provide a concentration of 32 to 80 parts per million (ppm) of this product, based on the total weight of water in the system, is recommended. Repeat initial dose until control is evident.

Subsequent slug additions of 1.0 to 10.0 fluid ounces of this product per 1,000 gallons of water (8 to 80 ppm of this product) should be employed 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.

**INDUSTRIAL AIRWASHING SYSTEMS:**

[Hydrology Cooling Tower Microbiocide] [This product] is used to control bacteria in industrial airwashing 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 14.8 to 24.7 fluid ounces of this product per 1,000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 10.1 to 24.7 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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## **STORAGE AND DISPOSAL**

**STORAGE:** Keep this product dry in original tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not contaminate food or feed by storage or disposal of this product.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## **PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:** CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

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

**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.