

PM-32

Reg # 5185-420

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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JUL 18 1995

BioLab, Inc.
P.O. Box 1489
Decatur, GA 30031-1489

Attention: Mark Jernigan
Federal Registration Manager

Subject: BioGuard Master BCDMH
EPA Registration Number 5185-420
Your Amendment Date February 8, 1995
EPA Receive Date February 15, 1995

This is in response to your request to amend this registration to change the basic product name, include additional uses, update the label and Confidential Statement of Formula.

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

A stamped copy of your labeling is enclosed for your records. Submit one (1) copy of the final printed label prior to release of the product for shipment.

1. The Confidential Statement of Formula dated 2-13-95 agrees with the label claim (96.0%) and it is acceptable.

2. The change in the ingredient statement from 92.5% to 96% must be a permanent change.

3. The Agency's records for this product have been amended to reflect the product name change as indicated above.

CONCURRENCES

| | | | | | | | |
|---------|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | |
| SURNAME | | | | | | | |
| DATE | | | | | | | |

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If you have any questions concerning this letter, please contact me at (703) 305-7964.

Sincerely,



Ruth Douglas
Product Manager (32)
Antimicrobial Program Branch
Registration Division (7505C)

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**BIOGUARD
MASTER BCDMH**

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 18 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.
5185-420

| | |
|--|--------|
| ACTIVE INGREDIENT: | |
| 1-Bromo-3-chloro-5,5-dimethylhydantoin | 96.0% |
| INERT INGREDIENTS: | 4.0% |
| TOTAL: | 100.0% |

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENTS OF PRACTICAL TREATMENT: IF CONTACT WITH EYES OCCURS: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention. IF CONTACT WITH SKIN: Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention. IF INHALED: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately. IF SWALLOWED: Drink large amounts of water. DO NOT induce vomiting. Avoid alcohol. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. IN CASE OF MEDICAL EMERGENCY, CALL 1-303-623-5716.

See back panel for additional precautionary statements.

MANUFACTURED BY:
BIOLAB, INC.
DECATUR, GEORGIA

EPA REG. # 5185-420
EPA EST. # 5185-GA-1

NET WEIGHT:

FOR POOL SANITIZATION:

This product, when used as directed, is effective as a swimming pool water sanitizer and disinfectant.

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 pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. When using other products as outlined in directions for this product, always follow directions on those products.

A bromine or chlorine residual of 1-2 ppm must first be established in the pool. If the residual is established with this product in a brominator, use the brominator at the highest feed rate following manufacturer's recommendations. When the bromine residual reaches 1-2 ppm, adjust the feeder accordingly. To maintain bromine residual, adjust the brominator feed rate to assure a constant treatment level of 1-3 ppm in residential pools, and 3-5 ppm in commercial pools. Regular use of a test kit is necessary to maintain a bromine residual in the pool water.

FOR SPA SANITIZATION:

When used as directed, this product is effective as a spa sanitizer and disinfectant.

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 spa equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. When using other products as outlined in directions for this product, always follow directions on those products. Fill spa bromine feeder with this product and adjust feeder following manufacturer's directions to yield bromine residual between 2-4 ppm in residential spas and 4-6 ppm in commercial spas. Check feeder regularly and add additional product as needed to maintain the bromine residual. The pump and filter should be operated for at least three hours every day whether spa is used or not. Do not heat water above 104°F. Keep the spa free of leaves and other debris. To maintain clear, clean water and insure the performance of your spa chemicals, spas should be drained and refilled with fresh water every 60 days.

FOR MINI PAK DISPENSER:

When used as directed, this product is effective as a spa sanitizer and disinfectant.

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 spa equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. When using other products as outlined in directions for this product, always follow directions on those products. Place one or more of this product in skimmer basket. Do not allow this product to come in direct contact with the surface of the spa or damage to spa surface may result. A sufficient number of this product must be used to maintain bromine residual of 2-4 ppm in residential spas. Normally, one of this product for each 200 gallons, or fraction, of water will be sufficient to maintain proper bromine levels. The pump and filter should be operated for at least three hours every day. Do not heat water above 104°F. Keep the spa free leaves of and other debris. Backwash or clean the filter often. Residential spas and hot tubs should be drained and refilled with fresh water every 60 days.

CONTROL OF BIOLOGICAL GROWTH IN PHOTO PROCESSING WASH WATERS

When used as directed, this product will control microbiological growth in photo processing wash water.

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.

The photo processing system should first be properly cleaned with a mild hypochlorite solution following manufacturer's instructions. The use of this product is not intended to remove an existing buildup of biological growth.

To control biological growth, this product should be introduced into the water supply line after the water mixing valve and before the processor wash tanks. **IMPORTANT. DO NOT USE WATER FROM THIS LINE TO MIX CHEMICALS!** This may be accomplished by placing 4-5 of this product into an empty filter housing or chemical feeder plumbed in at that point. The feeder apparatus should be equipped with a regulating valve to control the introduction of bromine and chlorine into the water. Begin feeding this product with the regulating valve at a low setting. If biological growth is observed, increase the flow in small increments until growth is controlled. It is intended that 1-3 ppm of residual bromine be introduced into the water supply line. Actual use will depend on the amount of biological fouling. Avoid excess introduction of bromine/chlorine into the processor wash tanks, a bromine or chlorine test kit should be used to periodically test the water in the wash tanks. If a residual above 3.0 ppm is indicated, the feed rate of this product should be reduced until the residual drops to 1.0 ppm.

FOR FLOATER

When used as directed, this product is effective as a residential spa and hot tub water sanitizer and disinfectant.

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 spa equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. When using other products as outlined in directions for this product, always follow directions on those products.

Place this product in spa and let it float freely in the spa or hot tub. Under normal use conditions, use one dispenser per 350 gallons of spa or hot tub water. However, under heavy bather loading or reduced water circulation, additional dispensers may be used to maintain constant active bromine residuals of 2-4 ppm in residential spas or hot tubs. To increase the bromine residual, turn the rotating cap to a higher number located in the flow indicator window. To decrease the bromine residual, turn to a lower number in the flow indicator window.

To a freshly filled spa or hot tub, begin with an indicator setting of #5. Check the bromine residual frequently. When a 2-4 ppm bromine residual is obtained, lower the flow indicator setting to maintain constant bromine residuals. The pump and filter should be operated for at least three hours per day. Do not heat water above 104°F. Keep the spa free of leaves and debris. Residential spas and hot tubs should be drained, cleaned and refilled with fresh water every 60 days.

Clear Child Resistant - Outer Sleeve

Twist cap to setting #5. Put chemical dispenser in spa water. Test bromine residual frequently (approx. every 2 hours). Upon achieving 2-4 ppm reduce to maintenance setting #1-#2 for maximum longevity.

TO ADJUST SETTING:

For ease of adjustment place in water. Grip cap firmly in one hand. With other hand, grip below windows firmly (Fingers should grip only bottom of canister.) Turn cap and outer sleeve in opposite directions.

FOR BROMINATING CARTRIDGE SYSTEM

Use as a Disinfectant, Sanitizer, Bactericide, Slimeicide, and Algicide in Swimming Pools

The Brominating Cartridge System is part of an advanced Feeder/Cartridge Delivery System that efficiently controls bacteria and algae for weeks under normal conditions in a balanced pool. The convenient disposable cartridge lets you control the rate of delivery to meet changing conditions in your pool, by simply adjusting the control dial on the delivery system. You never have to touch the chemical. **USE ONLY IN BROMINATING CARTRIDGE SYSTEM.**

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 pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. Superchlorinate if needed. When using other products as outlined in directions for this product, always follow directions on those products.

TO INSTALL CARTRIDGE: Take feeder cap off. Remove cartridge tabs A and B where designated (see diagram). Hold cartridge so the open end faces down. Point the arrow in the direction of the water flow (towards pool). Insert into feeder with the male end of the cartridge aligned with the female end located inside the bottom of the feeder (see diagram). **DO NOT FORCE.** Replace feeder-cap and set the control dial to the appropriate setting. Begin with the control dial set on 2 for a 13,500 gallon pool with a pump running 8 hours/day. Check bromine residual in 24 hours and increase/decrease feeder setting to maintain 1-3 ppm bromine residual.

During superchlorination of pool, turn setting to 0 before superchlorination. Establish bromine residual and return the feeder to the normal operating setting. Check the feeder canister periodically and replace when empty. Do not attempt to open or refill this cartridge.

FOR WATER FEATURES:

This product, when used as directed, is effective as a water feature sanitizer and disinfectant.

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 (if present) following manufacturer's directions. Adjust pH to between 7.2-7.6. When using other products as outlined in directions for this product, always follow directions on those products.

A bromine or chlorine residual of 1-2 ppm must first be established in the water. If the residual is established with this product in a brominator, use the brominator at the highest feed rate following manufacturer's recommendations. When the bromine residual reaches 1-2 ppm, adjust the feeder accordingly. To maintain bromine residual, adjust the brominator feed rate to assure a constant treatment level of 1-3 ppm. Regular use of a test kit is necessary to maintain a bromine residual in the pool water.

FOR SPAS:

Reentry into treated spas is prohibited above levels of 8 ppm bromine due to risk of body injury.

FOR POOLS:

Reentry into treated swimming pools is prohibited above levels of 8 ppm bromine due to risk of body injury.

STORAGE AND DISPOSAL 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. In case of decomposition, isolate container if possible and flood area with large amounts of water to dissolve all material before discarding this container. Do not contaminate food or feed by storage or disposal. **CONTAINER DISPOSAL:** Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER: Highly corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing before reuse. For skin or eye contact, or if dust/fumes are inhaled, immediately follow statements of practical treatment on front label panel.

PHYSICAL OR CHEMICAL HAZARDS STRONG OXIDIZING AGENT: Do not mix with other chemicals. Mix only with water. Never add water to product. Always add product to large quantities of water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water.

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.