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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 5 1995

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

Attention: Paul Newcomb  
Director, Regulatory Affairs

Subject: BioGuard Master Dichloro Granular"  
EPA Registration Number 5185-54  
Your Amendment Dated January 10, 1994

This is in response to your amendment to reflect product name change from "BioGuard Super Soluble Organic Chlorine Concentrate" to "BioGuard Master Dichloro Granular" and include additional uses on your label.

The labeling referred to above submitted in connection with Registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable provided that you make the following label revisions.

1. Dosage rate for spa use should be changed to provide 3-5 ppm of free available chlorine concentration.
2. In the section "For SPA and Hot Tub Disinfectant" and "For Spas" change all references of 1-3 ppm chlorine level to a 3-5 ppm chlorine level.
3. Delete the re-entry statement for treated spas and hot tubs. Based on a rereview of this use, the Agency has determined that the re-entry statement should only apply to the swimming pool use and that it is not applicable to spas and hot tubs.
4. The labeling must also be revised in accordance with the Reregistration Notice (Attachment A - Batch 26 products) issued on September 27, 1994 for this product. (Copy enclosed for your convenience).

A stamped copy is enclosed for your records. Submit five copies of the final printed label including these revisions before you release the product for shipment bearing the amended label.

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

The proposed product name change has been made a part of our record.

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

Sincerely,



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

BIOGUARD  
MASTER DICHLORO  
GRANULAR

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 5 1995

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

5185-54

ACTIVE INGREDIENT:

Sodium dichloro-s-triazinetriene 97.0%

Inert 3.0%

TOTAL INGREDIENTS 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. # 5185-54

EPA EST. # 5185-GA-1

## **FOR SWIMMING POOL DISINFECTANT:**

When used as directed, this product is effective as a swimming pool water disinfecting agent.

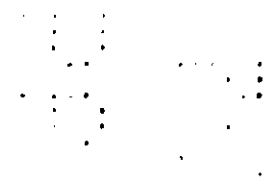
**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. Add stabilizer to establish a minimum level of 40-50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals. Before using this product, add stain and scale inhibitor to prevent staining of pool surface due to metals. When using other products as outlined in the directions for this product, always follow directions on those products.

With pump running, broadcast 4 ounces of this product per 10,000 gallons directly into the water in the deep end of the pool as an initial treatment. Repeat additions until a residual of 1-3 ppm chlorine is established as determined by the use of a test kit. To prevent damage to pool surface, use a pool brush to disperse granules that may have settled to the bottom of the pool. Regular use of a test kit is necessary to determine when it is necessary to add another dose of this product to maintain a residual of 1-3 ppm available chlorine in the pool water. An average daily dose requirement is 2-3 oz. of this product per 10,000 gallons of water.

The use of a quaternary or polyquaternary type algicide will provide additional bacteria and algae control when used in conjunction with this product.

**FOR SUPERCHLORINATION:** Broadcast one pound of this product directly into the water in the deep end of the pool. To prevent damage to pool surface, use a pool brush to disperse any granules that may have settled to the bottom of your pool



## **FOR SWIMMING POOL ALGAE:**

When used as directed, this product kills algae and will rid your pool of unsightly algae spots. This product is ideal for use vinyl lined, fiberglass or colored plaster surface pools.

**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. Add stabilizer to establish a minimum level of 40-50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals and if present add Stain and Scale inhibitor to prevent staining of pool surface. When using other products as outlined in the directions for this product, follow directions on those products.

Before using this product, shut off pump and brush all surface clinging algae. Wait four hours for the water to become stationary before product application. At night or when the pool is not in use, broadcast this product directly into the water in the deep end of the pool. Use two pounds of this product per 10,000 gallons for medium to heavy algae growth and one pound per 10,000 gallons for light algae growth. To prevent possible damage to pool surface, use a pool brush to disperse any granules that may have settled to the bottom of the pool. Twelve to twenty-four hours after chemical treatment, turn pump on and vacuum dead algae through the filter. Brush any remaining algae and clean backwash filter. If algae is still visible, repeat treatment.

## **FOR WINTERIZING POOL:**

To avoid costly spring problems (algae, stains, cloudy water, high chlorine demand) properly prepare your pool for the winter using this product. This product oxidizes organic wastes, provides long lasting chlorine protection, helps keep pool surfaces clean, and helps protect water during the off season months.

**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. Brush and vacuum the pool. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. Add stabilizer to establish a minimum level of 40-50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals and if present add stain and scale inhibitor to prevent metal stains on pool surface. When using other products as outlined in the directions for this product, always follow directions on those products.

) Before using this product, shut off pump and brush all surface clinging algae. Wait four hours for the water to become stationary before product application. At night or when the pool is not in use, broadcast this product directly into the water in the deep end of the pool. Use two pounds of this product per 10,000 gallons for medium to heavy algae growth and one pound per 10,000 gallons for light algae growth. To prevent possible damage to pool surface, use a pool brush to disperse granules that may have settled to the bottom of the pool. Twelve to twenty-four hours after chemical treatment, turn pump on and vacuum dead algae through the filter. Brush any remaining algae and clean backwash filter. If algae is still visible, repeat treatment.

) Circulate water to several hours, then add BioGuard LOK-UP® WINTER ALGICIDE or BioGuard® LOK-UP® WINTERTROL® following appropriate directions. Cut off pump. Drain equipment or add antifreeze to equipment to prevent freeze damage. Install pool cover. A second treatment of this product in mesh covered or non-covered pools may be required prior to water freezing.

## **FOR SPA AND HOT TUB DISINFECTANT:**

When used as directed, this product is effective as a spa and hot tub water disinfecting agent.

**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 and hot tub equipment is working properly. Backwash/clean the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. Add stabilizer to establish a minimum level of 40-50 ppm. When using other products as outlined in the directions for this product, always follow directions on those products.

**MAINTENANCE DOSES:** With pump on, add 1/4 teaspoon of this product per 100 gallons of water (or 2-1/2 teaspoons per 1,000 gallons) as an initial treatment. Repeat at 15 to 20 minute intervals until a residual of 1-3 ppm of available chlorine is established as determined by test kit. A test kit must be used regularly to determine the frequency of additional doses of this product needed to maintain the chlorine residual of 1-3 ppm.

**SUPERCHLORINATION:** Use one teaspoon of this product per 100 gallons of water (or 1/4 cup per 1,000 gallons). Superchlorination may be needed on a nightly basis in a heavily used spa or as infrequently as once a week in a moderately used spa.

## **FOR COOLING TOWERS:**

This product is recommended for recirculating cooling systems where an oxidizing chemical can be used and where rapid removal of biological growth is desired.

**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.

**TREATMENT OF ALGAL OR BACTERIAL SLIME.** Adjust water pH to 7.2-7.6 before initiating this treatment. With tower operating, but with bleed value cut off, add directly to the sump 2 to 4 ounces per 1,000 gallons of water in the system. Wait 10 minutes and measure available chlorine residual. If less than 3 ppm, repeat treatment. Repeat this product until the tower has achieved the desired state of cleanliness. Then, discontinue the treatment and let the chlorine residual drop below 1.0 ppm. Clean sump and screens. If necessary, drain the water from the system and replace it with fresh water. Open blow-down valve and return system to normal operation.

## **SUPERCHLORINATION OF SYSTEMS RECEIVING CONTINUOUS CHLORINATION.**

Recirculating cooling systems on continuous chlorination at low chlorine levels may function better if they are periodically superchlorinated to remove chloramines and other organic wastes that are not removed by low level chlorination. Superchlorination is recommended at least once a month. More frequent treatment may be desirable in towers subject to higher levels of organic contamination. To superchlorinate, adjust pH of the recirculating water to 7.2-7.6. With the tower operating, but with blowdown valve closed, add 2 ounces per each 1,000 gallons of water in the system. Wait 2 hours and measure chlorine residual. When chlorine residual is 1.0 ppm or less, open blowdown valve and resume normal operation.



**FOR SPAS:**

Reentry into treated spas and hot tubs is prohibited above levels of 3 ppm chlorine.

**FOR POOLS:**

Reentry into treated swimming pools is prohibited above levels of 3 ppm chlorine 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. Moisture may decompose this product and cause a violent reaction leading to fire and explosion. 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.