

PM 32

5185-54

10/14/97

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Mark Jernigan  
Federal Registration Manager  
BioLab, Inc.  
P. O. Box 1489  
Decatur, GA 30031

OCT 14 1997

Dear Mr. Jernigan:

Subject: BioGuard Master Dichloro Granular (EPA Reg. No. 5185-54)  
Label Amendments  
Correspondence Dated September 5, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

- "Destroys swimmer wastes " is not an acceptable label claim. You must remove it from the label.
- Include the emergency telephone number on all labels.
- Remove all brackets from the final labels.

A stamped copy of the label is enclosed for your records. Should you have any questions or concerns, please call Kathryn Scanlon on (703) 308-6418.

Sincerely Yours,



Robert S. Brennis  
Acting Product Manager 32  
Regulatory Management Branch II  
Antimicrobial Division

7510W:K.Scanlon:ks:10/10/97:BIOGUAR2.LTR

## CONCURRENCES

SYMBOL >	7510W							
SURNAME >	K. Scanlon							
DATE >	Oct 10, 1997							

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[All text in brackets is optional and may or may not be included on final label. Additionally, some text in brackets is administrative notes and is not intended to appear on a final label.]

BIOGUARD  
MASTER DICHLORO  
GRANULAR

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 14 1997

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

5185-54

[Marketing Headers]  
[For use in vinyl, painted, fiberglass or color plaster surface pools.]  
[Destroys swimmer wastes.]  
[Restores water clarity.]  
[Ideal for pool start-ups.]  
[Effective winter shock treatment.]  
[Ideal for white plaster pools.]  
[Fast-acting granular algae killer.]  
[Ideal for vinyl pools.]  
[Quick-dissolving stabilized chlorinating granules.]  
[Quick-dissolving sanitizer and oxidizer.]

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 IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists. IF SWALLOWED: Drink promptly large quantities of water. Avoid alcohol. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Get medical attention. [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

NET CONTENTS:

**[FOR SWIMMING POOL SANITATION:]**

When used as directed, this product is effective as a swimming pool water sanitizing 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 30-40 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. **NEVER ALLOW UNDISSOLVED PRODUCT TO REST IN CONTACT WITH BLEACHABLE POOL SURFACES.** 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. After use of this product it is recommended that a preventative algae treatment be added on a weekly basis.

**SUPERCHLORINATION:** Broadcast one pound of this product per 10,000 gallons 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 the pool. **NEVER ALLOW UNDISSOLVED PRODUCT TO REST IN CONTACT WITH BLEACHABLE POOL SURFACES.**

In water temperatures less than 70° F, or as an alternate application procedure, predissolve this product prior to applying evenly to the deep end of the pool. Dissolve this product outdoors, in a clean plastic bucket stirring with a clean plastic or wooden spoon. Add this product to water; **NEVER** add water to product. **NEVER** add more than 1 pound of this product to 3 gallons of cool water. Do not mix with other products when predissolving.

**[FOR POOL SUPERCHLORINATION:]**

This product restores water sparkle and comfort by destroying harmful bacteria and algae and non-filterable swimmer wastes such as perspiration and suntan oils. These wastes can cause cloudy, dull water, eye irritation and strong odors. Regular use of this product in chlorine sanitized pools destroys bacteria and swimmer wastes maintaining sparkling, clean, clear 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.

Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. In chlorine treated pools, add stabilizer to establish a minimum level of 30-40 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Do not add stabilizer to bromine treated pools. Before using this product check for metals and if present, 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.

**Application Methods**

With the pool pump in operation, broadcast the product evenly into the deep end of the pool. In potentially bleachable surface pools such as vinyl, paint, fiberglass, or colored plaster, brush the pool after application to ensure complete dissolving of the product's active ingredient. **NEVER ALLOW UNDISSOLVED PRODUCT TO REST IN CONTACT WITH BLEACHABLE POOL SURFACES.**

In water temperatures less than 70° F, or as an alternate application procedure, predissolve this product prior to applying evenly to the deep end of the pool. Dissolve this product outdoors, in a clean plastic bucket stirring with a clean plastic or wooden spoon. Add this product to water; **NEVER** add water to product. **NEVER** add more than 1 pound of this product to 3 gallons of cool water. Do not mix with other products when predissolving.

**[OPTIONAL DIRECTIONS: either one or both of the following two paragraphs may be used]**

[For weekly application intervals in swimming pools, add 1 lb. (see Application Methods) of this product per 20,000 gallons of water into the deep end of the pool, when the pool is not in use (preferably at night). Reapply after heavy rain showers or following heavy bather loads. ]

[For two week application intervals in swimming pools, add 1 lb. (see Application Methods) of this product per 10,000 gallons of water into the deep end of the pool every other week when the pool is not in use (preferably at night). Reapply after heavy rain showers or following heavy bather loads.]

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### [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 in 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. 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, always follow directions on those products.

Before using this product, brush all surface-clinging algae paying special attention to pool steps, ladder steps, and around skimmer and lights. At night or when the pool is not in use, broadcast this product directly into the water in the deep end of the pool with the pump running. Use two pounds of this product per 10,000 gallons for medium to heavy algae growth or 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. 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.

**NOTE:** For WHITE PLASTER POOLS, broadcast this product directly into the pool water. FOR VINYL, FIBERGLASS, PAINTED AND COLORED PLASTER POOLS, PRE-DISSOLVE THE RECOMMENDED DOSE. Dissolve this product outdoors, in a clean plastic bucket stirring with a clean plastic or wooden spoon. Add this product to water: NEVER add water to product. NEVER add more than 1 pound of this product to 3 gallons of cool water. Do not mix with other products when predissolving.

Before treating the pool, chemically balance the water and adjust pH to 7.4 - 7.6. Brush and vacuum pool. Backwash the filter and clean skimmer, pump baskets, and filter.

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Sprinkle the powder or pour the pre-dissolved treatment dose (see NOTE above) into the water around the edges of the pool. Use one pound of this product per 10,000 gallons of water.

Circulate water for several hours, then apply a [BioGuard] [or appropriate brand name of supplemental registrant] winterizing algae treatment following appropriate directions. Cut off pump. Drain equipment or add a swimming pool winter 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 (mid-winter). If second treatment is required, pre-dissolve treatment (see NOTE above) and pour in water along edges of the pool.

#### **[FOR SPA AND HOT TUB SANITATION:]**

When used as directed, this product is effective as a spa and hot tub water sanitizing 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. When using other products as outlined in the directions for this product, always follow directions on those products.

With pump on, add 1/2 teaspoon of this product per 100 gallons of water (or 5 teaspoons per 1,000 gallons) as an initial treatment. Repeat at 15 to 20 minute intervals until a residual of 3-5 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 3-5 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.

#### **[AIR WASHER SYSTEMS: ]**

This product may be used to control the growth of slime-forming bacteria, fungi, and algae.

**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.

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If the system noticeably fouled, drain, clean and refill prior to initial treatment. Add sufficient amount of this product to achieve a chlorine residual level of up to 3 ppm or as needed to maintain control of the system.

**[SEWAGE SYSTEMS: ]**

When used as directed, this product effectively controls algal, bacterial, and fungal slime in sewage systems including leach fields, tank lines, lagoons, and sewage effluent water, sewers, sewage effluent water, cesspools, septic tanks, sewage settling ponds, sludge beds, storm drains, and street culverts.

**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.

The amount of this product necessary to disinfect depends on the concentration and conditions of the final effluent. Raw sewage should be treated before it has reached the septic state. Approximately 30% of the chlorine demand of sewage is due to settled solids, 30% to dissolved solids and 40% to suspended and colloidal solids. Disinfection should be based on laboratory checks, including bacteriological checks, as a safeguard. Generally, disinfection can be achieved when the chlorine residual (after 15 to 30 minutes contact time) is between 0.6 and 1.0 ppm. Residual chlorine and time of contact can be used as the determining factors to assure disinfection. These factors can be used after experience with different types of treated sewage is sufficient to establish a relationship between the residual chlorine content of the final effluent and the contact time necessary to ensure the desired bacteriological results. Bacteriological testing should be conducted periodically to ensure that conditions have not changed. Treat sewage near the influent detention basin. The feed rate for this product must be adjusted to the higher dosages usually required for sewage practices. Where temporary disinfection prior to dilution in a body of water is desired, the following will generally suffice: Raw sewage - 10 to 30 ppm available chlorine; Primary treated sewage - 5 to 20 ppm available chlorine; Sewage after primary and secondary treatment (or secondary treatment alone) - 2 to 5 ppm. Confirm the efficacy of these levels using bacteriological testing in your system.

**[PASTEURIZERS/WARMER/CANNERY COOLING WATER SYSTEMS]**

When used as directed, this product effectively controls algal, bacterial, and fungal slime in brewery pasteurizer water, brewery processing water, brewery warmer water, cannery cooling canal water, cannery package warmers, cannery pasteurizer water, and retort cooling water.

**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.

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If the system noticeably fouled, drain, clean and refill prior to initial treatment. Add sufficient amount of this product to achieve a chlorine residual level of up to 3 ppm or as needed to maintain control of the system.

**[ONCE-THROUGH COOLING WATER SYSTEMS:]**

When used as directed, this product effectively controls algal, bacterial and fungal slime in open or closed-cycle, fresh or salt water, once-through cooling systems. Add this product to the system inlet water or before any other contaminated area in the 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.

Add sufficient amount of this product to achieve a chlorine residual level of up to 3 ppm or as needed to maintain control of the system.

**[RECIRCULATING COOLING WATER SYSTEMS:]**

When used as directed, this product effectively controls algal, bacterial, and fungal slime in commercial and industrial cooling towers, evaporative condensers, industrial water scrubbing systems, cooling ponds, influent water systems including flow through filters and lagoons, heat exchangers, industrial water scrubbing systems.

**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.

Add sufficient amount of this product to achieve a chlorine residual level of up to 3 ppm or as needed to maintain control of the system.

**[WASTEWATER TREATMENT SYSTEMS:]**

When used as directed, this product effectively controls algal, bacterial and fungal slime and offers rapid disinfection of primary, secondary and tertiary wastewater treatment 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.

Add this product to maintain up to a 3 ppm chlorine residual at the injection point in the disinfection contact chamber. Adjust the dosage to achieve disinfection and minimize the halogen concentration at the exit of the contact chamber.



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**[BATHROOM SANITIZATION: ]**

This product may be used to sanitize bathroom premises (floors, walls, sinks, bathtubs, shower stalls, toilet seats, toilet bowl surfaces, urinals, and fixtures). Remove gross filth or heavy soil and thoroughly clean with a suitable cleaner prior to use of this product.

**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.

Add sufficient amount of this product to water to prepare a solution containing 100 ppm available chlorine to sanitize precleaned surfaces. All solutions should be freshly prepared. Keep in properly labeled containers to protect against contamination. Unused solution should be discarded and the container rinsed well. Treatment of porous surfaces, such as grout or scarred surfaces, may require a higher concentration of this product than non-porous surfaces, such as porcelain, metal or tile. Do not rinse after sanitization.

**[BATHROOM DISINFECTION:]**

This product may be used to disinfect and control mold and mildew on bathroom premises (floors, walls, sinks, bathtubs, shower stalls, toilet seats, toilet bowl surfaces, urinals, and fixtures). Remove gross filth or heavy soil and thoroughly clean with a suitable cleaner prior to use of this product.

**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.

Add sufficient amount of this product to water to prepare a solution containing 600 ppm. All solutions should be freshly prepared. Keep in properly labeled containers to protect against contamination. Unused solution should be discarded and the container rinsed well. Treatment of porous surfaces, such as grout or scarred surfaces, may require a higher concentration of this product than non-porous surfaces, such as porcelain, metal or tile. Do not rinse after sanitization. Allow solution to remain in contact with surfaces for at least 10 minutes. Surfaces may then be rinsed to avoid metal corrosion.

**[LAUNDRY SANITIZATION (HOSPITALS, COMMERCIAL AND INSTITUTIONAL): ]**

This product may be used to sanitize laundry (that is, washable fabrics such as clothing, linens, sheets, towels, blankets, uniforms, etc.) in commercial, institutional, and medical establishments, such as schools, restaurants, hotels, motels, athletic facilities, and hospitals.

**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.

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Wet fabrics or clothes should be spun dry prior to sanitization. Thoroughly mix 0.5 ounce of this product with 12 gallons of water to yield 200 ppm available chlorine. Promptly after mixing the sanitizer, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 ppm.

[The following statement is for use on products with swimming pool use directions.]

**Reentry into treated swimming pools is prohibited above levels of 3 ppm chlorine due to risk of body injury.**

[The following paragraph is for use on products with swimming pool use 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 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.

[The following Storage and Disposal statements are for use on products with industrial and institutional directions.]

**STORAGE** [Pails, drums, bags] 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.

**DISPOSAL.** [Pails/drums] Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **DO NOT REUSE EMPTY CONTAINER.** Triple rinse the container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate. Burn only if allowed by state and local authorities. If burned, stay out of smoke.

**DISPOSAL.** [Bags] 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.

**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.

**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 statement for swimming pool and spa products in sizes less than 50 pounds.]

**ENVIRONMENTAL HAZARDS** This pesticide is toxic to fish and aquatic organisms.

[Environmental hazards statement for all other products.]

**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.

[THE NEXT SECTION IS OPTIONAL TEXT ]

**HOW TO CALCULATE POOL CAPACITY****Shape of Pool Gallons of water**

Rectangular	Average depth x average length x average width x 7.5
Circular	Diameter x diameter x average depth x 5.9
Oval	Full width x full length x average depth x 6.7
Irregular	Consult pool builder

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[THE NEXT SECTION IS OPTIONAL TEXT ]

### CONVERSION FACTORS

[The following conversion factors may be substituted and or added as appropriate to use directions.]

CUPS	TABLESPOONS	TEASPOONS	OUNCES
1	16	48	8
0.5	8	24	4
0.25	4	12	2
	2	6	1
	1	3	0.5
		2	0.33
		1	0.17
		0.75	0.13
		0.5	0.08
		0.25	0.04

[THE NEXT SECTION IS OPTIONAL TEXT ]

### DOSAGE CHART

[Parts of the following chart may be used as appropriate with certain label uses to give desired solutions.]

Ounces of Product	Gallons of Water	Yields Approximately this ppm Chlorine
1	1.000	5
2	1.000	10
0.72	50	70
0.15	10	70
0.06	3	100
0.1	5	100
0.21	10	100
1	50	100
0.2	5	200
0.41	10	200
0.37	3	600
0.62	5	600
6.2	50	600
1	5	1.000
10.3	50	1.000