

PM-32

Reg # 5185-238

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

243596

Application for Pesticide - Section I

1. Company/Product Number 5185-238	2. EPA Product Manager W. Francis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BioGuard Master Calcium Hypochlorite	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) BioLab, Inc. PO Box 1489 Decatur, GA 30031-1489 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

See attached Explanation page.

Advisory Statement

NOTIFICATION
007 4 1996

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Unit Packaging wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Package wgt No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Mark Jernigan	Title Federal Registration Manager	Telephone No. (Include Area Code) (404) 378-1761, x359
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Mark Jernigan</i>	3. Title Federal Registration Manager	
4. Typed Name Mark Jernigan	5. Date 8/15/96	

additions marked on this label

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BioGuard®

MASTER CALCIUM HYPOCHLORITE

- REMOVES SWIMMER WASTES
- RESTORES INVITING SPARKLE

ACTIVE INGREDIENT:

Calcium Hypochlorite	67.0%
INERT INGREDIENTS	33.0%
TOTAL INGREDIENTS	100.0%

KEEP OUT OF REACH OF CHILDREN DANGER

(See back panel for additional precautionary statements.)

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.**

MANUFACTURED BY 795081
 BIO-LAB, INC. EPA REG. # 5185-238
 Decatur, Georgia 30031 USA EPA EST. # 5185-GA-1

NET WEIGHT: 5185-238

FOR POOL SUPERCHLORINATION:

This product restores water sparkle and comfort by destroying harmful bacteria 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 destroys bacteria and swimmer wastes maintaining sparkling, clean, clear water. It may be used in pools sanitized with chlorine or bromine.

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 40-50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. 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.

To prevent damage to pool surface, predissolve this product prior to addition to pool water. 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.

For weekly application intervals in swimming pools, add 1 lb. (predissolved) 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). Also reapply after heavy rain showers or following heavy bather loads.

For two week application intervals in swimming pools, add 1 lb. (predissolved) 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.

FOR POOL SANITIZER:

When used as directed, it will control the growth of algae and bacteria.

This product can be used in pools sanitized with chlorine or bromine.

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 40-50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals before using this product 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.

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INITIAL CHLORINATION: When starting a new pool or opening a pool at the beginning of the swimming season, add 1 oz. (predissolved) of this product for each 1,000 gallons of water directly into the pool in the deep end of the pool. Check chlorine or bromine residual with a test kit. If this residual is below 1 ppm, repeat this dosage until a halogen residual is 1-3 ppm.

REGULAR USE DOSAGE: Subsequently, add 4-6 oz. (predissolved) of this product per 10,000 gallons directly into the water in the deep end of the pool, daily, or as often as needed as determined by the use of a test kit to maintain a chlorine residual of 1-3 ppm.

After use of this product add a quaternary or polyquaternary type algicide to provide bacteria and algae control.

SUPERCHLORINATION: When algae are seen, add 1 lb. (predissolved) per 10,000 gallons of water into the deep end of the pool preferably at night when pool is not in use. Repeat treatment if necessary.

Chemical Oxidizer for Use in Cooling Tower/ Evaporative Condenser Systems

Bactericide - Algicide - Slimeicide
 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.

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TREATMENT OF ALGAE OR BACTERIAL SLIMES: Adjust water pH to 7.2-7.6 before initiating this treatment. With tower operating, but with bleed valve cut off, add directly to the sump 2 to 4 ounces of this product per 1,000 gallons of water in system. Wait 10 minutes and measure available chlorine residual. If less than 3 ppm, repeat treatment. Repeat this process 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 blowdown 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 with this product 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 of this product 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 POOLS:
TO DETERMINE POOL CAPACITY**

Rectangular Pools-Length times width times average depth (in feet) times 7.5 equals gallons.

Round and Oval Pools-Long diameter times short diameter times average depth (in feet) time 5.9 equals gallons.

Reentry into treated swimming pools is prohibited above levels of 3 ppm chlorine or 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. 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 collector. Rinse thoroughly before discarding in trash.

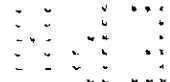
PRECAUTIONARY STATEMENTS

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/fume 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.



96-27-8

"MASTER LABEL"



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BioGuard

MASTER CALCIUM HYPOCHLORITE

- REMOVES SWIMMER WASTES
- RESTORES INVITING SPARKLE

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Calcium Hypochlorite	67.0%
INERT INGREDIENTS:	33.0%
TOTAL INGREDIENTS	100.0%

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Bactericide - Algicide - Slimicide

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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.

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11/23/88

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