

5185-323

09/17/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

September 17, 2008

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Mark Jernigan
Federal Registration Manager
Bio-Lab, Inc.
PO Box 1489
Decatur, GA 30031

Subject: BioGuard-Master-Lithium Hypochlorite
EPA Registration No. 5185-323
Application Date: June 19, 2008
Receipt Date: June 23, 2008

Dear Mr. Jernigan:

The following amendments, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable:

- First Aid Statement moved to back panel
- Addition of optional marketing claims
- Revisions to Storage and Disposal Statement
- Change of re-entry level to 4ppm
- Changes to Directions for Use

General Comments

1. On page 2, revise "CUT ALONG DOTED LINE" to read "CUT ALONG DOTTED LINE".
2. A stamped copy of the accepted labeling is enclosed. Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Wanda Henson at 703-308-6345.

Sincerely,

Emily H. Mitchell
Acting Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)

CONCURRENCES

YMBOL	7510P	7510P					
URNAM	FK Bio	Henson					
DATE	9/17/08	9/17/08					

{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.}

**BIOGUARD
MASTER LITHIUM HYPOCHLORITE**

ACTIVE INGREDIENT:
Lithium Hypochlorite.....29%
OTHER INGREDIENTS:..... 71%
TOTAL INGREDIENTS.....100%
(Available Chlorine: 35%)

KEEP OUT OF REACH OF CHILDREN
DANGER

See [back] [side] panel for First Aid and additional precautionary statements.

BIOLAB, INC.
P.O. Box 300002
Lawrenceville, Georgia 30049

EPA REG. NO. 5185-323
EPA EST. NO. 5185-GA-1

NET WEIGHT: {as indicated on container}

[Made in USA]

ACCEPTED
SEP 17 2008
Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 5185-323



{Optional marketing statements that may be used with pool shock and superchlorination.}

[Step 2] *{Superchlorinators are marketed as step two of a three step program to treat swimming pool water.}*

[Pre-measured] *{The claim "Pre-measured" will only be used on the label when the product is sold in one pound bags made of child resistant film.}*

[TO OPEN CUT ALONG DOTTED LINE WITH SCISSORS] *{For use when packaged in child resistant bags.}*

[Quick dissolving granular chlorinating shock and superchlorinator]

[Ideal for vinyl pools]

[Fast Dissolving Chlorinating Shock and Superchlorinator]

[Quick Dissolving Shock Treatment and Superchlorinator]

[Use entire bag at one application] *{The claim "Use entire bag at one application" will only be used on the label when the product is sold in one pound bags made of child resistant film.}*

[Shock and Superchlorination Treatment]

[Restores inviting sparkle]

[Rids pool of organic waste]

[Destroys organic contaminants]

[Rapidly and completely soluble]

[Formulated for vinyl pools]

[For all pool surfaces]

[Non-clouding]

[Fast Dissolving]

[Completely Soluble]

[For multipurpose use]

[Convenient, easy to use]

[An effective pool [algicide][algicide]]

[Kills green algae]

[Fast acting granular algae killer]

[Do Not Mix With Other Products]

[Ideal for use with BioLab UV system]

[Suitable for use with BioLab UV system]

[Compatible with BioLab UV system]

[BioLab UV system approved]

[Use BioGuard Master Lithium Hypochlorite with BioLab UV system]

[Shock]

[Shock/Oxidizer]

[Maintain] *{Designates that this product is part of a maintenance line of products}*

[Once-A-Week*] *{Application frequency per pool shock and superchlorination directions.}*

[*Approximate addition rate. Please refer to directions for use.]

[BioGuard Care System]

{The "BioGuard Care System" below may be placed on the label to allow easy product identification by consumers.}

[BioGuard Care System () Sanitizer (X) Shock () [Algicide][Algaecide]]

{Optional marketing statements that may be used with commercial pool shock.}

[Quick dissolving granular chlorinating shock]

[Quick Dissolving Shock Treatment]

- [Shock Treatment]
- [Rids pool of organic waste]
- [Destroys organic contaminants]
- [Restores inviting sparkle]
- [Non-clouding]
- [Quick Dissolving]
- [Completely Soluble]
- [Do Not Mix With Other Products]

{Optional marketing statements that may be used with swimming pool sanitization.}

- [Ideal for vinyl pools]
 - [Quick-dissolving granular chlorine for multi-purpose use]
 - [Fast dissolving chlorinating granules]
 - [Fast Dissolving Granular Chlorinator]
 - [Completely soluble]
 - [Non-clouding]
 - [Fast Dissolving]
 - [For multipurpose use]
 - [Step 1] *{Sanitizer treatments are marketed as step one of a three step program to treat swimming pool water.}*
 - [Ideal for use with BioLab UV system]
 - [Suitable for use with BioLab UV system]
 - [Compatible with BioLab UV system]
 - [BioLab UV system approved.]
 - [Use BioGuard Master Lithium Hypochlorite with BioLab UV system]
 - [Maintain] *{Designates that this product is part of a maintenance line of products}*
 - [As Needed*] *{Application frequency per routine maintenance directions.}*
 - [Test and Add*] *{Application frequency per routine maintenance directions.}*
-

- [*Please refer to directions for use]
- [Sanitizer and Shock]
- [BioGuard Care System]
- {The "BioGuard Care System" below may be placed on the label to allow easy product identification by consumers.}*
- [BioGuard Care System (X) Sanitizer () Shock () [Algicide][Algaecide]]

{Optional marketing statements that may be used with winter swimming pool treatment.}

- [Chlorinating-oxidizing treatment ideal for vinyl, painted and fiberglass pools]
- [Effective winter shock treatment]
- [Ideal for vinyl pools]
- [Non-clouding]
- [Fast Dissolving]
- [Quick Dissolving]
- [Ideal for all pool surface types]
- [For multipurpose use]
- [Off season]
- [[At] pool closing]

{Directions to be used for swimming pool shock and superchlorination.}

FOR POOL SHOCK AND SUPERCHLORINATION

{To maintain brand segmentation, two sets of marketing statements are provided to maintain separate brand identity. One of the following Options will be used on the label.}

{Option A}

[BioGuard® has a wide variety of products that are required to maintain a high quality swimming environment. These products are designated as "Maintain".]

Swimming pool water is subject to accumulation of a wide variety of organic contaminants: perspiration, suntan lotions, hair sprays and cosmetics. This quick-dissolving, non-clouding shock and superchlorinating product will effectively reduce organic contamination in swimming pool water and sanitize water, resulting in sparkling, clear water. This product may be used in chlorinated or brominated pools.

[[This product]{or} [BioGuard Master Lithium Hypochlorite] can be used weekly as a maintenance shock when using the BioLab UV system].]

{Option B}

[BioGuard® has a wide variety of products that are required to maintain a high quality swimming environment. These products are designated as "Maintain".]

[The BioGuard® Care System has three important parts that help you maintain crystal blue sparkling water.

- A Sanitizer to control bacteria
- A Shock to destroy contaminants
- A Preventative [algicide][algaecide] to stop algae before it starts

All parts of the BioGuard Care System are vital to achieve beautiful water.]

[This product] {or} [BioGuard Master Lithium Hypochlorite] is a shock product that can be used as part of the BioGuard Care System. Weekly use of [this product]{or} [BioGuard Master Lithium Hypochlorite] keeps your water crystal blue and sparkling. [This product] {or} [BioGuard Master Lithium Hypochlorite] oxidizes organic contaminants that cause cloudy water, chlorine odor and eye irritation.

This shock product is easy to use. It dissolves rapidly and works fast and effectively. [[This product] {or} [BioGuard Master Lithium Hypochlorite] is suitable for all pool types.]

[[This product] {or} [BioGuard Master Lithium Hypochlorite] can be used weekly as a maintenance shock when using the BioLab UV 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. Clean or backwash filter following manufacturer's directions. Adjust pH to between 7.2-7.6. In chlorinated pools, add stabilizer to establish a minimum stabilizer level of 30-40 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Do not add stabilizer to brominated pools. Before using this product check for metals and if present, add a 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.

Apply this product at a rate of 1 pound per 6,000 gallons of water every other week (alternatively 1 pound per 12,000 gallons every week). Add the total recommended amount at one time, broadcasting evenly into the deep end of the pool when the pool is not in use (preferably at night) and with pump running. Reapply after heavy rain showers or following heavy bather loads.

To prevent damage to pool surface, use an appropriate pool brush to disperse any undissolved granules which may have settled to the bottom of the pool.

[ALGAE TREATMENT TO REMOVE EXISTING ALGAE GROWTH: When algae is seen, check and adjust, if needed, all water balance parameters. Brush all surfaces with surface compatible brush. With circulation pump operating, apply [32 oz.] {or} [2 lbs.] of this product per 10,000 gallons of pool water by broadcasting the product directly into the pool at deep end of pool. Use a pool brush to disperse granules which may have settled to the bottom of the pool to prevent damage to pool surfaces. Continue to operate recirculating pump for at least 8 hours after product addition. Approximately 24 hours after product addition, vacuum dead algae from pool. Then brush all pool surfaces. Following algae removal, recheck pH and adjust if necessary to the proper range of 7.2 - 7.6. Maintain a chlorine residual of 1 - 4 ppm. To restore filter performance, chemically clean filter following manufacturer's directions using [Strip Kwik®] {or} [an appropriate filter cleaner].]

Reentry into treated swimming pools is prohibited above levels of 4 ppm chlorine or 8 ppm bromine due to risk of bodily injury.

{Directions to be used for commercial pool shock.}

FOR COMMERCIAL POOL SHOCK

Swimming pool water is subject to accumulation of a wide variety of organic contaminants: perspiration, suntan lotions, hair sprays and cosmetics. This product will effectively reduce organic contamination in swimming pool water resulting in sparkling, clear water. This product may be used in chlorinated or brominated 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. Clean or backwash filter following manufacturer's directions. Adjust pH to between 7.2-7.6. Check for metals before using this product and if present, add a 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.

For weekly application intervals in commercial swimming pools, use this product at the rate of one pound (1 lb.) per 6,000 gallons of water. Add the total recommended amount at one time, broadcasting evenly into the deep end of the pool when the pool is not in use (preferably at night) and with pump running. Also reapply after heavy rain showers or following heavy bather loads. To prevent damage to pool surface, use a pool brush to disperse any granules which may have settled to the bottom of the pool.

When local public health codes require addition of chemicals through positive displacement systems, add required amount of this product to the slurry tank containing at least five (5) gallons of water for every pound of this product added. The slurry tank must be clean and free of any other chemical residue. Feed the resulting solution immediately. Follow the same procedure until the required dosage has been added. **Always** add this product to water. **Never** add water to this product. Following treatment, rinse the slurry tank and feed into the pool.

Reentry into treated swimming pools is prohibited above levels of 4 ppm chlorine or 8 ppm bromine due to risk of bodily injury.

{Directions to be used for swimming pool sanitization.}

SWIMMING POOL SANITIZER

{To maintain brand segmentation, three sets of marketing statements are provided to maintain separate brand identity. One of the following Options will be used on the label.}

{Option A}

This quick-dissolving, non-clouding product is a convenient and economical source of a chlorine residual for routine sanitization of your pool.

{Option B}

[BioGuard® has a wide variety of products that are required to maintain a high quality swimming environment. These products are designated as "Maintain".]

[This quick-dissolving, non-clouding product can be used to establish a chlorine residual for routine sanitization of your pool.]

[[BioGuard Master Lithium Hypochlorite] *{or}* [This product] can be used as a sanitizer when using the BioLab UV system.]

{Option C}

[BioGuard® has a wide variety of products that are required to maintain a high quality swimming environment. These products are designated as "Maintain".]

[The BioGuard® Care System has three important parts that help you maintain crystal blue sparkling water.

- A sanitizer to control bacteria
- A shock to destroy contaminants
- A preventative [algicide][algaecide] to stop algae before it starts

All parts of the BioGuard Care System are vital to achieve beautiful water.]

[BioGuard Master Lithium Hypochlorite] *{or}* [This product] is a quick-dissolving, non-clouding chlorinating sanitizer product. Use of [BioGuard Master Lithium Hypochlorite] *{or}* [this product] keeps your water crystal blue and sparkling. [BioGuard Master Lithium Hypochlorite] *{or}* [This product] kills bacteria, algae [,as well as prevents algae growth,] and oxidizes organic contaminants that cause cloudy water, chlorine odor and eye irritation.

This product is easy to use. Because it dissolves rapidly, [BioGuard Master Lithium Hypochlorite] *{or}* [this product] works fast and effectively. [BioGuard Master Lithium Hypochlorite] *{or}* [this product] is suitable for all pool types.

[[BioGuard Master Lithium Hypochlorite]{or} [This product] can be used as a sanitizer when using the BioLab UV 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. Clean or backwash filter following manufacturer's directions. Adjust pH to between 7.2-7.6. In a chlorinated pool, add stabilizer to establish a minimum stabilizer level of 30-40 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals before using this product and if present, add a 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.

POOL START UP: Add this product at the rate of 1 pound per 6,000 gallons of water. To prevent damage to pool surface, use a pool brush to disperse granules which may have settled to the bottom of the pool. Repeat this treatment after 24 hours, if needed, to establish a chlorine residual of 1-4 ppm as determined by a test kit [or test strips].

REGULAR USE DOSAGES:

Add 7-10 oz. 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 [or test strips] to maintain a chlorine residual at 1-4 ppm. After use of this product add [a quaternary or polyquaternary type algicide to provide algae control.] [BioGuard Back-Up[®]] [or] [BioGuard Banish[®]] [or] [BioGuard Algae All 60[®]] to control algae.]

[[SHOCK] [AND] [SUPERCHLORINATION] TREATMENT: With circulation pump operating ~~add 1 pound per 12,000 gallons of water weekly (alternatively, every other week add this product at the rate of 1 pound per 6,000 gallons).~~ Add the total recommended amount at one time broadcasting evenly 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. To prevent damage to pool surface, use a pool brush to disperse any undissolved granules which may have settled to the bottom of the pool.]

[ALGAE TREATMENT TO REMOVE EXISTING ALGAE GROWTH: When algae is seen, check and adjust, if needed, all water balance parameters. Brush all surfaces with surface compatible brush. With circulation pump operating, apply [32 oz.] {or} [2 lbs.] of this product per 10,000 gallons of pool water by broadcasting the product directly into the pool at deep end of pool. Use a pool brush to disperse granules which may have settled to the bottom of the pool to prevent damage to pool surfaces. Continue to operate recirculating pump for at least 8 hours after product addition. Approximately 24 hours after product addition, vacuum dead algae from pool. Then brush all pool surfaces. Following algae removal, recheck pH and adjust if necessary to the proper range of 7.2 - 7.6. Maintain a chlorine residual of 1-4 ppm. To restore filter performance, chemically clean filter following manufacturer's directions using [Strip Kwik[®]]{or} [an appropriate filter cleaner].]

10/13

Reentry into treated swimming pools is prohibited above levels of 4 ppm chlorine due to risk of bodily injury.

{Directions to be used for winter swimming pool treatment.}

WINTER SWIMMING POOL TREATMENT

[BioGuard® has a wide variety of products to care for your pool during the off season. These products are designated as "Off Season".]

To avoid costly spring problems (algae, cloudy water, high chlorine demand) properly prepare your pool for the winter using this product. This quick-dissolving, non-clouding product oxidizes organic wastes, provides chlorine protection, helps keep pool surfaces clean, and helps protect water during the off season months. May be used in swimming pools with all types of surfaces and filter 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.

Ensure all pool equipment is working properly. Clean or backwash filter following manufacturer's directions. Adjust pH to between 7.2-7.6. Check for metals and if present, before using this product, add a 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.

Use one pound of this product per 6,000 gallons of water. Broadcast directly into the water in the deep end of the pool. To prevent damage to pool surface, use a pool brush to disperse any undissolved granules which may have settled to the bottom of the pool. Circulate water for several hours, or preferably overnight, then apply a winter algae preventative following appropriate label directions. Turn pump off. Drain equipment or add suitable swimming pool antifreeze to equipment to prevent freeze damage. Follow equipment manufacturer's directions. Installation of a pool cover is recommended. A second treatment of this product in mesh covered or non-covered pools is recommended prior to water freezing (mid-winter). For this application, the product should be pre-dissolved in a clean, plastic bucket of water, and the resulting solution poured into the pool as far away from the side of the pool as is practical. **Always** add this product to cool, clean water. **Never** add water to this product.

Reentry into treated swimming pools is prohibited above levels of 4 ppm chlorine due to risk of bodily injury.

{The following is optional text to be used at BioLab's discretion with swimming pool use directions. This information is non-essential and will be provided only as a courtesy. Will not appear on all swimming pool products.}

[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) times 5.9 equals gallons.]

{Storage and Disposal directions when product is sold in bags.}

[STORAGE AND DISPOSAL: Keep this product dry in its original unopened bag until use. For partially used bags, fold over top of bag and secure with adhesive tape. Store unopened and partially used bags in a secure location away from children. 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:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.]

{Storage and Disposal directions when product is sold in bottles.}

[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:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.]

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles or safety glasses, protective clothing and rubber gloves when handling. Wash hands thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

{First Aid will be separated by rule lines from adjacent text and be in a different color.}

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 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 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 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 poison control center or doctor for treatment advice.

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.

PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT: Do not mix with other chemicals, except water. 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 may 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, if necessary.

{Environmental hazards statements for end-use products in containers of less than 5 gallons (liquid) or less than 50 pounds (solid, dry weight).}

[ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms.]

{Environmental hazards statements for end-use products in containers of equal to or greater than 5 gallons (liquid) or equal to or greater than 50 pounds (solid, dry weight).}

[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.