

5185-54

2/13/2013

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

February 13, 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Mark Jernigan, Manager for Regulatory Affairs
Bio-Lab, Inc.
Post Office Box 300002
Lawrenceville, GA 30049

Subject: Notification Of Minor Label Changes Per PR Notice 2007-4
Product Name: **BioGuard Master Dichloro Granular**
EPA Registration Number: **5185-54**
Application Date: February 5, 2013
Application Receipt: February 7, 2013

Dear Mr. Jernigan:

This acknowledges receipt of your Notification application, submitted under the provisions of FIFRA 3 (c) 9 and PR Notice 2007-4.

Proposed Notification:

Bio-Lab, Inc. is submitting the following Minor Label Changes for **EPA Reg. No. 5185-54:**

"Notification to change Pesticide Container Disposal language per PR Notice 2007-4."

General Comments:

Based on a review of the material submitted, the following comments apply.

The Notification application is **Acceptable**. A copy the **accepted** Notification is attached in your Regulatory File Jacket (**EPA Reg. No. 5185-54**) for future reference.

If you have questions or comments with regard to this agency letter, please contact Killian Swift via email at Swift.Killian@epa.gov or by telephone at **703-308-6346**. When you are submitting information or data in response to this agency letter, please send a copy of this agency letter with your response in order to facilitate processing.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Morisha Harris".

Morisha Harris,
EPA Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510P)



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 5185-54	2. EPA Product Manager Monisha Harris	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bio-Lab, Inc. / BioGuard Master Dichloro Granular	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Bio-Lab, Inc. PO Box 300002 Lawrenceville, GA 30049 <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

Amendment - Explain below. Final printed labels in response to Agency letter dated _____

Resubmission in response to Agency letter dated _____ "Me Too" Application.

Notification - Explain below. Other - Explain below.

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

Fee Determination: Fee Category - Not Applicable (Notification) mark.jernigan@chemtura.com

Notification to change the Pesticide Container Disposal language per PR Notice 2007-4. See attached page for certification.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container
All sizes from 6 oz to 100 lbs

5. Location of Label Directions
 On label

6. Manner in Which Label is Affixed to Product
 Lithograph
 Paper glued
 Stenciled 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 Regulatory Affairs Manager	Telephone No. (Include Area Code) 678-502-4149
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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 Regulatory Affairs Manager
4. Typed Name Mark Jernigan	5. Date 2/5/2013



4/23

February 5, 2013

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

**Re: BioGuard Master Dichloro Granular
EPA Registration No.: 5185-54**

Dear Sir/Madam:

Please process the enclosed notification to incorporate language required by the Pesticide Container Rule under Storage and Disposal per PR Notice 2007-4.

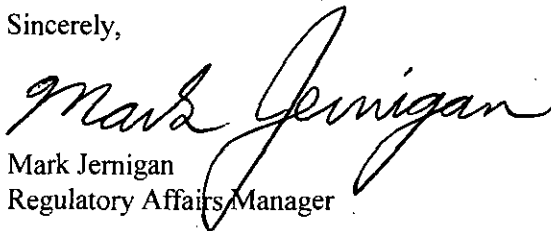
Enclosed are:

1. Application for Pesticide (EPA Form 8570-1);
2. Notification Certification Statement; and
3. Proposed label with changes marked.

If you have any questions, please call me at 678-502-4149 or mark.jernigan@chemtura.com.

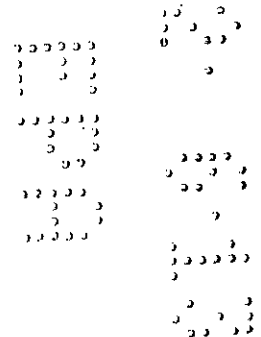
Thank you for your attention to this matter.

Sincerely,



Mark Jernigan
Regulatory Affairs Manager

Enclosures



P.O. Box 300002
Lawrenceville, GA 30049-1002 USA
(678) 502-4000
(678) 502-4764 FAX

{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 DICHLORO
GRANULAR

ACTIVE INGREDIENT:
Sodium dichloro-s-triazinetrione 97.0%
OTHER INGREDIENTS: 3.0%
TOTAL INGREDIENTS: 100.0%
(Available Chlorine: 62%)

*Information on
this page moved to
first page of label per
EPA preference, no
change to text.*

**KEEP OUT OF REACH OF CHILDREN
DANGER**

FIRST AID: 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. **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 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.

[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.

See [back] [side] panel for additional precautionary statements.

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

EPA REG. NO. 5185-54
EPA EST. NO. 5185-GA-1

NET WEIGHT: {as indicated on container}

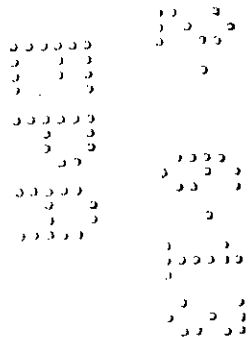
NOTIFICATION
Date Reviewed: February 13, 2013
Reviewed By: Killian B. Swift

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

- [Sanitizer for Pools]
- [Sanitizer for Swimming Pools]
- [For use in vinyl, painted, fiberglass or color plaster surface pools.]
- [Granular Stabilized Chlorinator]
- [Restores water clarity.]
- [Ideal for pool start-ups.]
- [Ideal for white plaster pools.]
- [Ideal for vinyl pools.]
- [For all pool types]
- [For all pool surfaces]
- [Quick-dissolving]
- [Quick-dissolving stabilized chlorinating granules.]
- [Quick-dissolving sanitizer and oxidizer.]
- [For Commercial and Service Use.] *{For use on larger size containers sold to pool service professionals.}*

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

- [For use in vinyl, painted, fiberglass or color plaster surface pools.]
- [Restores water clarity.]
- [Ideal for pool start-ups.]
- [Ideal for white plaster pools.]
- [Ideal for vinyl pools.]
- [For all pool surfaces]
- [For all pool types]
- [Quick-dissolving]
- [Quick-dissolving stabilized chlorinating granules.]
- [Quick-dissolving sanitizer and oxidizer.]
- [Use entire bag in one application.] *{To only be used if sold in one pound bags.}*
- [Quick -dissolving Shock]
- [Ideal Shock for vinyl pools]
- [Vinyl pool Shock]
- [Do not mix with other products]



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

- [Restores sparkle to pool water]
- [Part 4] *{For use when sold as Part 4 or a four part program.}*
- [Once-a-month]
- [Quick dissolving oxidizer]
- [Quick-dissolving]
- [For all pool surfaces]

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

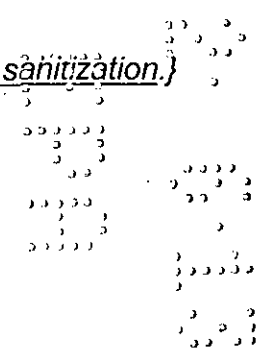
- [For use in vinyl, painted, fiberglass or color plaster surface pools.]
- [Granular Stabilized Chlorinator]
- [Restores water clarity.]
- [Ideal for pool start-ups.]
- [Ideal for white plaster pools.]
- [Fast-acting granular algae killer.]
- [Ideal for vinyl pools.]
- [For all pool types]
- [For all pool surfaces]
- [Quick-dissolving]
- [Quick-dissolving stabilized chlorinating granules.]
- [Quick-dissolving sanitizer and oxidizer.]
- [Use entire bag in one application.] *{To only be used if sold in one pound bags.}*

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

- [Effective winter shock treatment.]
- [Ideal for white plaster pools.]
- [Ideal for vinyl pools.]
- [For use in vinyl, painted, fiberglass or color plaster surface pools.]
- [For all pool types]
- [For all pool surfaces]
- [Granular Stabilized Chlorinator]
- [Restores water clarity.]
- [Quick-dissolving stabilized chlorinating granules.]

{Optional marketing statements that may be used with spa and hot tub sanitization}

- [Granular Stabilized Chlorinator]
- [For spas and hot tubs]
- [Quick-dissolving]
- [Fast-acting]



{Directions for use on this label are divided into two sections on this label (a) recreational water treatment and (b) industrial and institutional applications.}

{The following sets of directions are for recreational water treatment.}

{Directions to be used for swimming pool sanitization}

SWIMMING POOL SANITIZER

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.

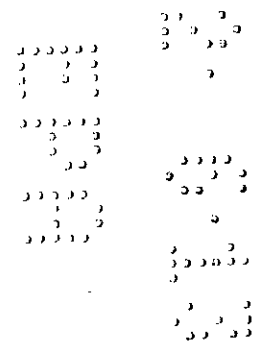
Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. Add stabilizer to establish a minimum stabilizer level of 30-40 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals. 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 or test strips. 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 or test strips 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^o 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 less than 3 gallons of cool water. Do not mix with other products when predissolving.

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



{Directions to be used for pool superchlorination}

[FOR SWIMMING POOL SUPERCHLORINATION] {or} [SHOCKING YOUR SWIMMING POOL]

This product restores water sparkle and comfort by destroying harmful bacteria and algae and eliminating contaminants such as perspiration and suntan oils. This product keeps the swimming environment clean and clear for the optimum swimming experience. [Superchlorination] {or} [Shocking your pool] destroys eye irritants, eliminates musty odors, and restores the sparkle to your water.

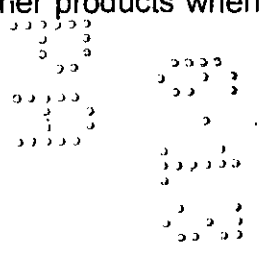
DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

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 stabilizer 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 70⁰ 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 less than 3 gallons of cool water. Do not mix with other products when predissolving.

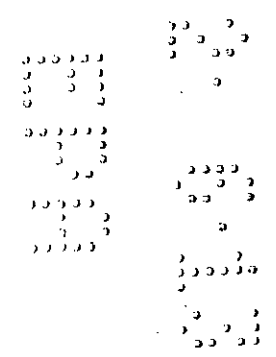


{DOSAGE DIRECTIONS: One or both of the following two paragraphs MUST be included on label}

[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.]

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



{Directions to be used for swimming pool oxidizing}

FOR SWIMMING POOL OXIDATION

[Made exclusively for use with Bermuda Blue.] This product is an oxidizer which eliminates organic contaminants which accumulate in swimming pool water. This product keeps the swimming environment clean and clear for the optimum swimming experience. This product eliminates eye irritants, musty odors, and cloudy water conditions to restore pool water sparkle. This product dissolves quickly. It is formulated for use with all types of pool surfaces.

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.

For best results, test and adjust pool water pH to 7.2 – 7.6 prior to application. Apply product when pool is not in use.

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 70⁰ 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 less than 3 gallons of cool water. Do not mix with other products when predissolving.

[INITIAL START-UP OR SPRING OPENING: DO NOT add this product during the initial start-up or spring opening.]

ROUTINE MAINTENANCE: To maintain a sparkling clear pool, add [1 pound] [1/2 pound] (see Application Methods) of this product per [10,000] [5,000] gallons of water every month. NOTE: This product should be added monthly and allowed to circulate for 12 hours before adding other products. *{Note: either one pound will be used with 10,000 gallons or one-half pound will be used with 5,000 gallons.}*

[OFF SEASON MAINTENANCE: In many areas, the milder climates allow for operation of pools throughout the winter season. For off season maintenance, apply product approximately once each month at the rate of [one pound] [one-half pound] (see Application Methods) of product to [10,000] [5,000] gallons. *{Note: either one pound will be used with 10,000 gallons or one-half pound will be used with 5,000 gallons.}*

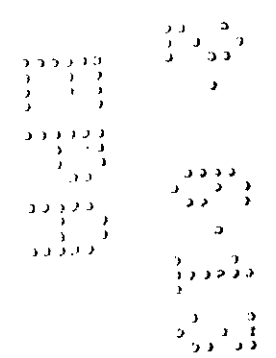
[WINTERIZATION: It is important to close your pool properly and to protect it from damage caused by freezing and from problems that can begin in the water over winter. This product oxidizes organic contaminants, helps keep pool surfaces clean, and helps protect water during the off season months.

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

With the circulation system of the pool in operation, broadcast [1 pound] [1/2 pound] (see Application Methods) of this product for every [10,000] [5,000] gallons. Continue to circulate for at least 15 minutes following the addition of this product, then apply [a] [BioGuard] [Algae All 60] [winterizing algae treatment] following appropriate directions. Proceed with the closing of your pool as directed by your dealer. *{Note: either one pound will be used with 10,000 gallons or one-half pound will be used with 5,000 gallons.}*

Note: For vinyl, fiberglass, painted, and colored plaster pools, predissolve, as described under Application Methods, the recommended dose.]

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



{Directions to be used for swimming pool algaecide}

SWIMMING POOL ALGAECIDE

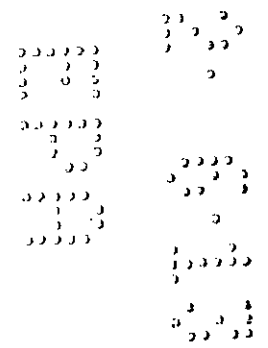
When used as directed, this product kills algae and will rid your pool of unsightly algae spots. This product is ideal for use in vinyl-lined, fiberglass or colored plaster surface pools.

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.

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



{Directions to be used for winter swimming pool treatment}

WINTER SWIMMING POOL TREATMENT

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 less than 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.

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.

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

{Directions to be used for spa and hot tub sanitization}

SPA AND HOT TUB SANITIZER

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 or test strips. Testing must be performed 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.

Reentry into treated spa is prohibited above levels of 5 ppm chlorine due to risk of body injury.

{The following directions are for use on industrial and institutional products. One or more use patterns may appear on a single end use label.}

{This Directions for Use statement will be used when directions for industrial and institutional uses appear on the label}

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.

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

PRODUCT APPLICATION
If the system is noticeably fouled, drain, clean and refill prior to initial treatment. Add 0.2 to 0.6 ounce of this product per 1,000 gallons of water to achieve a chlorine residual level of 1 to 3 ppm 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, sewers, sewage effluent water, cesspools, septic tanks, sewage settling ponds, sludge beds, storm drains, and street culverts.

PRODUCT APPLICATION
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 the 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.

PRODUCT APPLICATION

If the system is noticeably fouled, drain, clean and refill prior to initial treatment. Add 0.2 to 0.6 ounce of this product per 1,000 gallons of water to achieve a chlorine residual level of 1 to 3 ppm 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.

PRODUCT APPLICATION

Add 0.2 to 0.6 ounce of this product per 1,000 gallons of water to achieve a chlorine residual level of 1 to 3 ppm as needed to maintain control of the system.

RECIRCULATING COOLING WATER SYSTEMS:

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

PRODUCT APPLICATION

TREATMENT OF ALGAL OR BACTERIAL SLIMES. 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 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. 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.

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.

PRODUCT APPLICATION

Add 0.2 to 0.6 ounce of this product per 1,000 gallons of water to maintain 1 to 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.

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.

PRODUCT APPLICATION

Add 0.06 ounce of this product to 3 gallons of 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.

PRODUCT APPLICATION

Add 0.37 ounce of this product to 3 gallons of 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.

PRODUCT APPLICATION

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.

{Storage and Disposal instructions for products with recreational use patterns, e.g. swimming pool & spa products}

{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 bag if possible and flood area with large amounts of water to dissolve all material before discarding this bag. 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.]

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Changed per
PR Notice 2007-4

{Storage and Disposal instructions for institutional and industrial applications.}

[STORAGE] 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 statement for labels used with pails or drums.}

[DISPOSAL.] Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.]

{Disposal statement for labels used with bags, i.e. super sacks}

[DISPOSAL.] Completely empty bag into application equipment. Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.]

Changed per PR Notice 2007-4

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 end-use products in containers of less than 50 pounds (solid, dry weight).}

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

{Environmental hazards statement for end-use products in containers of 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.

{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.}

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 5.9
- Irregular Consult pool builder

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

CONVERSION FACTORS

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 following is optional text to be used at BioLab's discretion. This information is non-essential and will be provided only as a courtesy. Will not appear on all labels. Only parts of the following chart may be used as appropriate with certain institutional and industrial label uses to give desired solutions.}

DOSAGE CHART

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