



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

AUG 10 2010

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mark Jernigan
Bio-Lab, Inc.
P.O. Box 300002
Lawrenceville, GA 30049-1002

FILE COPY

Subject: BioGuard Smart Shock
EPA Reg. No.: 5185-493
Application Dated: May 5, 2010
Receipt Dated: May 13, 2010

Dear Mr. Jernigan:

The labeling for the product referred to above submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended (FIFRA) is acceptable with conditions.

1. Revise the "Hazards to Humans and Domestic Animals" statement as follows:

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Harmful if absorbed through skin. Do not breathe dust or fumes. Irritating to nose and throat. Do not get in eyes, on skin or clothing. Wear goggles, protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.

2. The ingredient statement should be revised to identify the "Copper Citrate" as the second active ingredient, instead of Copper (metallic).

General Comments:

A stamped copy of the accepted labeling with conditions is enclosed. Submit one copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact me at Henson.Wanda@epa.gov or call (703) 308-6345.

Sincerely,

A handwritten signature in black ink, appearing to read "Wanda Y. Henson", is written over the typed name.

Wanda Y. Henson
Acting Product Manager - Team 32
Regulatory Management Branch II
Antimicrobials Division (7510P)

[[Kills Algae], [Kills Bacteria], [Oxidizes], [Shock], [Clarifies], [UV Protected],
 [Sunlight Protected]] [[Shock], [Oxidizer], [Buffer], [Clarifier], [Flocculent], [Algaecide]
 [Algicide], [Algistat]]
 [Oxidizer]
 [Shock]
 [Kills Bacteria]
 [Kills Algae]
 [Kills Bacteria and Algae]
 [Kills and Prevents Algae]
 [Prevents algae]
 [Kills Bacteria, Kills Algae, and Clarifies]
 [Kills Bacteria, Controls Algae, and Clarifies]
 [Suppresses Algae]
 [Oxidizer, kills bacteria, and kills algae, releases sunlight protector]
 [Fast Dissolving]
 [Fast Dissolving Shock Treatment]
 [Add directly to pool]
 [Add product directly to the pool with pump and filter operating]
 [No Need to Pre-Dissolve]
 [Maintains Brilliantly Clear Water]
 [Treat and Swim In As Soon As 15 Minutes*]
 [Treat and Swim In As Soon As 15 Minutes After Application*]
 [Treat and Swim in 15 Minutes*]
 [Swim in 15 minutes*]
 [Reduces the Need for Other Maintenance Products]
 [Do Not Mix With Other Products]
 [Treats 12,000 gallons] {*Only to be used when sold in one pound units*}
 [One pound treats 12,000 gallons]
 [Eliminates Unpleasant Odors]
 [Patented Oxidizer, [Algicide][Algaecide] and Clarifier]
 [Contains Blue [Algicide][Algaecide] Crystals]
 [Contains Blue Algae Killing Crystals]
 [Multi-Functional Formula]
 [Multi-Purpose Shock]
 [Multi-Functional Shock]
 [Compound action shock]
 [Quick dissolving shock]
 [Preferred shock for the BioGuard Care System]
 [For use in all pool types] {*This statement alerts consumer to the fact they may use this product in above ground, in ground, indoor, outdoor, plaster, vinyl, fiberglass pools*}
 [Shocks, Clarifies, and Kills Algae]
 [Suitable for In-ground and Above-ground Pools]
 [Sunlight Protected] {*Cyanuric Acid is a known UV light stabilizer for chlorine*}
 [SUNSHIELD®]
 [Blue Algae Killing Crystals]
 [Shock of choice for BioLab UV system]
 [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® Smart Shock® with BioLab UV system]
 [Maintain] {Designates that this product is part of maintenance line of products}
 [Once a Week**] {Application frequency per routine maintenance directions.}
 [** Approximate addition rate. Please refer to directions for use.]
 [Step 2] {Shock treatments are marketed as step two of a three step program to treat swimming pool water.}
 [TO OPEN CUT ALONG DOTTED LINE WITH SCISSORS] {For use when packaged in child resistant bags.}
 [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 () [Algaecide][Algicide]]

[* Refer to the Re-entry statement on the back panel for further guidance.] { This statement will appear on the front panel of label when one of the asterisked statements is used concerning swim in 15 minutes. }

{Following chart is optional}

Our Ingredients:	What They Do:
Sodium dichloro-s-triazinetriene	Oxidizer, Kills Bacteria, and Kills Algae, Releases Sunlight Protector
Copper (metallic)	Kills Algae, [Prevents Algae]

BioGuard® Smart Shock®

{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”.]

[This product]{or} [BioGuard® Smart Shock®] [is Step 2 of the BioGuard 3 Step and Once-A-Week 3 Step Program.] {or} [is an important part of proper pool care.] {or} [is an important part of the BioGuard Care System.] Weekly use of [BioGuard Smart Shock] {or} [this product] keeps your water crystal blue and sparkling. Utilizing an advanced patented technology, [BioGuard Smart Shock] {or} [this product] performs multiple functions:

- kills bacteria and algae [as well as prevents algae growth]
- oxidizes organic contaminants that cause cloudy water, musty odors and eye irritation
- clarifies the water using a filter enhancer
- buffers pH to provide brilliantly clear water with no cloudy residue and without increasing pH

This premium shock product is easy to use. Because it dissolves rapidly and is multifunctional, [BioGuard Smart Shock] {or} [this product] works fast and effectively. Resume swimming in as little as 15 minutes.* [BioGuard Smart Shock] {or} [this product] provides the solution for brilliant, clear, and inviting pool water and is suitable for all pool types.

[[This product]{or} [BioGuard Smart Shock] should 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.

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

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

[This product]{or} [BioGuard Smart Shock] is the preferred shock product for the BioGuard Care System. Weekly use of [this product] {or} [BioGuard Smart Shock]

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keeps your water crystal blue and sparkling. Utilizing an advanced patented technology, [BioGuard Smart Shock] {or} [this product] performs multiple functions:

- oxidizes organic contaminants that cause cloudy water, musty odors and eye irritation
- kills bacteria and algae [as well as prevents algae growth]
- clarifies the water using a filter enhancer
- buffers pH to provide brilliantly clear water with no cloudy residue and without increasing pH

This premium shock product is easy to use. Because it dissolves rapidly and is multifunctional, [BioGuard Smart Shock] {or} [this product] works fast and effectively. Resume swimming in as little as 15 minutes.* [BioGuard Smart Shock] {or} [this product] is suitable for all pool types.

[[This product]{or} [BioGuard Smart Shock] should 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.

Make sure all pool equipment is working properly, including pump, filter, skimmer and heater. Clean or backwash filter following manufacturer's directions. Check alkalinity, pH and calcium hardness with a test kit. Adjust alkalinity to 125 -150 ppm. Adjust pH to 7.4 – 7.6 by adding a pH decreaser or pH increaser. Adjust calcium hardness to 175-275 ppm. When using other products as outlined in directions for this product, always follow directions on those products.

IMPORTANT NOTE: DO NOT pre-dissolve [BioGuard® Smart Shock®] {or} [this product]. As with other shock products, DO NOT apply through skimmer or chemical feeding device as other chemicals may be present which could result in a violent reaction.

For routine maintenance: With pump and filter running, broadcast 1 lb. of this product per 12,000 gallons of pool water, directly into pool. Brush any undissolved product off of pool surfaces. Wait at least 15 minutes after product application before entering pool.* Operate pump and filter continuously for 4 – 8 hrs after product addition. For best results, apply product weekly as part of your maintenance routine.

For treatment of resistant algae: First, establish a 1 – 4 ppm free chlorine residual in the pool. With pump and filter running, broadcast [one pound of this product per 2,400 gallons] {or} [five pounds of this product per 12,000 gallons] of water directly into pool. Brush any undissolved product off of pool surfaces. [Wait 15 minutes, then apply 32 fluid ounces of BioGuard® Back Up® per 20,000 gallons of water.] {or} [Wait 15 minutes, then apply 40 fluid ounces of BioGuard® Back Up® per 25,000 gallons of water.] Follow application directions on BioGuard® Back Up label. Continuously circulate pool water for the next 24 hours. Afterwards, thoroughly brush pool surfaces. Prior to re-entry, test chlorine level. Do not re-enter pool until chlorine level is between 1 – 4 ppm. Chemically cleaning the filter is recommended 3 – 4 days after treatment.

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For treatment of light algae: Vacuum leaves and any other foreign debris from pool. Brush visible algae thoroughly from pool's surface with a surface-compatible brush. Brush any undissolved product off pool surfaces. With pump running, broadcast 1 lb. of [BioGuard Smart Shock] {or} [this product] per 12,000 gallons of pool water, directly into pool water in areas of heaviest algae growth. Operate pump and filter continuously for 24 hrs. after product application. Afterwards, repeat brushing of pool surfaces. Do not enter the pool until the free available chlorine residual is 1-4 ppm. If necessary repeat the treatment.

***TEST CHLORINE LEVEL PRIOR TO RE-ENTRY. RE-ENTRY INTO TREATED SWIMMING POOLS IS PROHIBITED ABOVE LEVELS OF 4 PPM CHLORINE DUE TO RISK OF BODILY INJURY.**

{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. If product becomes damp, discard, following instructions for contamination under Physical or Chemical Hazards. **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/pails.}

[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. If product becomes damp, discard, following instructions for contamination under Physical or Chemical Hazards. **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. Causes skin burns. May be fatal if swallowed. Harmful if absorbed through skin. Do not breathe dust or fumes. Irritating to nose and throat. Do not get in eyes, on skin or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear (safety glasses) and rubber gloves. For additional protection of skin, wear long sleeves and long pants. Wash thoroughly with soap and water after handling product and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

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

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 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 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 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.

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.

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PHYSICAL OR CHEMICAL HAZARDS: CONTAINS OXIDIZING AGENTS. Do not mix with other chemicals or any other substance. DO NOT pre-dissolve or add water to this product. Always apply directly into the pool. Contamination of this product with small amounts of water or other substances may start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal [bag] [container]. Isolate [bag] [container] in open air or well-ventilated area. Flood [bag] [container] and area with large volumes of water. In case of spills, scoop up and place product in pool water, then flood spilled 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 invertebrates and may contaminate water through runoff. Other than uses permitted by this label, do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.