

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

FEB 23 2004

Mr. Robert Sloan  
Sr. Regulatory Services Associate  
Lonza Inc.  
17-17 Route 208  
Fair Lawn, NJ 07410

Subject: **Bioguard Swimming Pool Algicide 28-10**  
EPA Registration Number 6836-158  
Application / letter Dated December 10, 2003  
EPA Received Date December 12, 2003.

Dear Mr. Sloan:

The following amendment, submitted in connection with registration the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.


**Proposed Amendment:**

- Response to Agency letter dated 11/14/03

**General Comments:**

A stamped copy of the labeling accepted with conditions is enclosed. Submit one (1) 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 Drusilla Copeland on (703) 308-6224.

Sincerely,  
  
Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

Enclosure Stamped Label

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

# BIOGUARD SWIMMING POOL ALGICIDE 28-10

**ACTIVE INGREDIENT:**

Alkyl (C14, 58%; C16, 28%; C12, 14%)  
dimethyl benzyl ammonium chloride..... 10%

**OTHER INGREDIENTS:**..... 90%

**TOTAL:**..... 100%

**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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

**IF SWALLOWED:** Call a 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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

Call a 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.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

(See other precautions on side panel.)

EPA Registration No. 6836-158  
EPA Est. No. (insert EPA Establishment No. here)  
Net Contents \_\_\_\_\_

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

FEB 23 2004

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, and pursuant to the authority,  
to publish under EPA Reg. No. 6836-158

Manufactured By:

Lonza Inc.  
17-17 Route 208  
Fair Lawn, NJ 07410

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER! CORROSIVE.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Harmful or fatal if swallowed, absorbed through the skin or inhaled. Do not breathe vapor. Wear protective eyewear (goggles, safety glasses or face shield), protective clothing and protective (rubber, chemical resistant) gloves. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. 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.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not mix this algicide with chlorine when adding to the pool. These chemicals must be handled separately. This product is cationic. Do not mix with soap or anionic materials.

*(If container size is 1 gallon or less, the following storage and disposal statements will be used:)*

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children. Do not reuse empty container. Wrap container and put in trash.

*(If container size is greater than gallon, the following storage and disposal statements will be used:)*

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE**

Do not store on side. Avoid creasing or impacting of side walls.

**PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL**

(Plastic containers): Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned, stay out of way of smoke.

(Metal Containers:) Triple rinse (or equivalent), then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

This algicide is formulated to complement swimming pool water being treated with normal chlorine systems. It is especially effective against growth of most common green (Chlorella) and blue green (Phormidium) algae and being non-volatile, aids in maintaining pool water clarity and sparkle. The residual effectiveness of this algicide tends to stabilize the total chemical treatment system.

This algicide is compatible with most chemicals normally used in swimming pool maintenance.

This algicide is economical, efficient, stable.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

For best results: test and adjust water balance before use, chlorinate and clarify pool water as required, shock treat pool water at least weekly, keep filtration systems clean and back-flush regularly. Call your local health department for assistance with any issue relating to good pool operating practices.

**APPLICATION:** For all applications, apply equal amounts of Bioguard Swimming Pool Algicide 28-10 to pool water along pool edges around the circumference of the pool while filter pump is running. Run pump for at least 6 hours after application. Wait at least 15 minutes after application before entering pool.

**INITIAL APPLICATION:** When filling pool at beginning of season add one gallon of Bioguard Swimming Pool Algicide 28-10 per 25,000 gallons water (25.6 oz of Bioguard Swimming Pool Algicide 28-10 per 5,000 gallons water) (2 ppm active ingredient).

**VISIBLE ALGAE:** If algae are visible, brush surfaces and then add one gallon of Bioguard Swimming Pool Algicide 28-10 per 25,000 gallons water (25.6 oz of Bioguard Swimming Pool Algicide 28-10 per 5,000 gallons water) (2 ppm active ingredient). Vacuum pool and remove dead algae after 24 hours. Repeat treatment as necessary if algae are still present.

**MAINTENANCE DOSE:** Even though the pool may not be in use for periods of time, algae growth should be controlled since a heavy accumulation of algae growth is difficult to remove. When pool is free of visible algae, add one quart of Bioguard Swimming Pool Algicide 28-10 per 50,000 gallons water (3.2 oz of Bioguard Swimming Pool Algicide 28-10 per 5,000 gallons water) (0.4 ppm active ingredient) every week. For very hot weather or heavy bathing load, use this dosage every 5 days.

**BOOSTER DOSE:** After heavy rains or severe storms, add one quart of Bioguard Swimming Pool Algicide 28-10 per 50,000 gallons water (3.2 oz of Bioguard Swimming Pool Algicide 28-10 per 5,000 gallons water) (0.4 ppm active ingredient).

**TO DETERMINE POOL CAPACITY**

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

**Round and Oval Pools** - Average diameter times average diameter times average depth (in feet) times 5.9 equals gallons.

