

5185-403

BioGuard Smart Sticks

MAR 24 1992

Biolab, Inc.  
P.O. Box 1489  
Decatur, GA 30031

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 5185-403."

b. At the bottom of page 2 of your label, add the sentence:

Swimmers should not be permitted in the pool  
after the initial treatment until the chlorine  
residual is below 3.0 ppm.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.



Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosures

# BIOGUARD® SMART STICKS™ SWIMMING POOL SANITIZER

- LASTS UP TO TWICE AS LONG
- GENTLE ON EQUIPMENT AND LINERS
- SUPER CONVENIENT TO USE

CONTAINS SMART GUARD™\* CHLORINE PROTECTOR

### ACTIVE INGREDIENTS

|                                  |        |
|----------------------------------|--------|
| Trichloro-s-triazinetrione ..... | 97.5%  |
| INERT INGREDIENTS* .....         | 2.5%   |
| TOTAL INGREDIENTS .....          | 100.0% |

(Available Chlorine 85.09%)

KEEP OUT OF REACH OF CHILDREN

### DANGER

(See statement of practical treatment and additional precautions on back panel)

MANUFACTURED BY:  
BIO-LAB, INC., Decatur, Georgia, 30031

Net Weight: Lbs. (kg)

\* Patent Pending

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 24 1992

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the pesticides  
registered under 1916 Reg. No.

5189-403

BEST AVAILABLE COPY

*Review*  
*2/7/2*  
*11/1/92*

MAR 24 1982

BIOGUARD® SMART STICKS™ with SMART GUARD™ are unique and highly effective as a pool water disinfectant. BioGuard Smart Sticks dissolve very slowly, lasting about twice as long as ordinary sticks or large tablets. Because Smart Sticks stop dissolving without water flow, sanitizer output can be uniformly controlled. Smart Sticks are added to the pool less frequently making them more convenient to use.

Smart Guard\* regulates the dissolving rate of Smart Sticks extending sanitizing power and swimmer safety.

Smart Sticks will not cloud water and dissolve completely leaving no residue. Their natural pH also reduces acid requirements.

BioGuard Smart Sticks are most effective when used as a part of the BioGuard 3-Step Program.

1. BioGuard Smart Sticks for continuous pool water sanitation
2. BioGuard Burn Out® for sparkling water and removal of swimmer wastes
3. BioGuard Back-Up® Algae Inhibitor to help prevent algae growth

### DIRECTIONS

It is a violation of federal law to use BioGuard Smart Sticks in a manner inconsistent with its labeling.

**INITIAL START-UP:** Consult your BioGuard dealer for initial water balance and start-up procedures. Ensure that pool equipment is operating properly. Chemically clean filter with BioGuard Strip Kwik® Cleaner/Degreaser as necessary.

- Add BioGuard Stabilizer to establish a minimum level of 30-40 ppm.
- Superchlorinate pool water with Burn Out to obtain a chlorine level of at least 1.5-3.0 ppm.

*Swimmers should not be permitted in the pool after the initial treatment*

*until the chlorine residual is below 3.0 ppm*

\*Patent Pending

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- Add initial charge of Back-Up Algae Inhibitor.
- Add one Smart Stick to the pool skimmer basket for each 5,000 to 7,000 gallons of water or a portion thereof. (\*\* See below) Divide sticks evenly for pools with multiple skimmers.

If an automatic feeder is used, fill with Smart Sticks and adjust output to maintain 1.5-3.0 ppm chlorine level.

**ROUTINE MAINTENANCE:** Test pool water periodically. Maintain pH of 7.4-7.6 and chlorine level of 1.5-3.0 ppm. At least twice a season, have your BioGuard dealer analyze for total water balance.

- About once a week (\*\* See below) add one Smart Stick to the pool skimmer basket for each 5,000 to 7,000 gallons of water. If an automatic feeder is used, refill as necessary to keep stick level between half and full.
- Twice monthly, shock pool with Burn Out and add maintenance dosage of Back-Up Algae Inhibitor.
- Operate pool recirculation system approximately 10 hours per day for best results. Adjusting the hours of pool recirculation, the number of sticks added to the skimmer or the valve setting on automatic feeders regulates the sanitizer level.

Never add any other chemicals to skimmers or automatic feeders containing Smart Sticks. Never mix chemicals together.

**\*\* The number of sticks and frequency of addition will vary with the number of swimmers, water temperature, rain showers and pump operating time. You should begin with the one stick per 5,000 gal. rate for heavy bather loads or elevated water temperature.**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 24 1992

Under the Federal Insecticide,  
Fungicide and Rodenticide Act as  
amended by the FIFRA Act of 1990,  
EPA Reg. No. 40 CFR 152.101

5185-403



*Handwritten signature*  
1/2/92

## HOW TO DETERMINE POOL CAPACITY

| <u>POOL SHAPE</u> | <u>GALLONAGE CALCULATIONS -<br/>POOL DIMENSIONS IN FEET</u> |
|-------------------|---|
| Rectangle         | Length x Width x Average Depth x 7.5                        |
| Round             | Diameter x Diameter x Average Depth x 5.9                   |
| Oval              | Long Diameter x Short Diameter x Average Depth x 5.9        |
| Irregular         | Consult with pool builder or estimate using above           |

**STORAGE AND DISPOSAL:** Keep product dry in a tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. In case of decomposition, isolate container (if possible) and flood area with large amounts of water to dissolve all materials before discarding this container. Do not reuse empty container, but place in trash collection. Do not contaminate food or feed by storage or disposal or cleaning equipment.

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

**DANGER:** Corrosive. Causes eye and skin damage. Irritating to nose and throat. Harmful or fatal if swallowed. Will burn with the evolution of chlorine and equally toxic gases. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing dust or fumes. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

**PHYSICAL AND CHEMICAL HAZARD -** Strong oxidizing agent, will burn with the evolution of chlorine and equally toxic gases. Contact with water slowly liberates irritating and hazardous chlorine-containing gases. Mix only with 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 with generation of heat liberation of hazardous gases, and possible generation of fire and explosion. **IN CASE OF FIRE,** if possible isolate container in open air or well ventilated area. Flood with large volume of water. **IN CASE OF CONTAMINATION OR DECOMPOSITION,** do not reseal container.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 24 1992

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended by the FIFRA Act of 1990,  
EPA Reg. No. 40 CFR 155.55-903

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**STATEMENT OF PRACTICAL TREATMENT (FIRST AID):** IF SWALLOWED, drink promptly a large quantity of water. DO NOT induce vomiting, NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Avoid alcohol. Get medical attention. IF IN EYES, flush with plenty of water for 15 minutes. Get medical attention. IF ON SKIN, immediately brush off excess chemical and flush with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. Get medical attention if irritation persists. IF INHALED, remove person to fresh air. Get medical attention.

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

**ENVIRONMENTAL HAZARD:** This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water unless this product is specifically identified and addressed in an NPDES Permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAD 9 1 1982  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under the name

5185-103

[5185-103]

1-25-82  
4/25/82  
11/22/82