

115-551  
**Swimming Pool Algaecide**

HS-451 Swimming Pool Algaecide is a contact acting algicide dependent. Keeps pool water free of visible algae and slime. Refraining should be other. For use in swimming pools. Compatible with all pool chemicals. Will not damage tile, concrete, metal or plastic. For use in swimming pools.

**DIRECTIONS FOR USE**  
**General Classifications**

If the use of Federal Law to use this product in a manner inconsistent with its labeling

**SWIMMING POOL ALGAECIDE**

Effective against *Chlorella pyrenoida* (Green algae), *Phormidium rotzei* (Square D algae), *Phormidium uncinatum* (Black algae), *Lyngbya versicolor* (Blue-green algae) and other swimming pool algae.

**APPLICATION:** For all applications, apply equal amounts of 4.5 fl. oz. per 10,000 gallons along pool edges around the circumference of the pool. Circulate or stir water for uniformity throughout the pool.

**INITIAL APPLICATION:** For a pool with visible algae present add 4.5 fl. oz. per 10,000 gallons.

**MAINTENANCE DOSE:** Use 2.25 fl. oz. per 10,000 gallons every week. For very hot weather or heavy bathing load, use the dosage every 5 days.

**BOOSTER DOSE:** After heavy rains or severe storms add 2.25 fl. oz. per 1,000 gallons of water.

**POOL SIDE SURFACES:** Pool-side surfaces should first be cleaned with a recommended detergent product. Then, use 1/2 fl. oz. per 1,000 gallons of water to wash down the area.

**NOTE:** Before entering the pool, check the pool residual, allow pool to stand until below 2.0 ppm.

**ACTIVE INGREDIENT**

n-butyl (C12 50%, C12 40%, C12 10%) dimethyl benzyl ammonium chloride ..... 72.5 %

**INERT INGREDIENTS:** ..... 27.5 %

**WARNING: KEEP OUT OF REACH OF CHILDREN.**

**STATEMENT OF PRACTICAL TREATMENT**

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

May cause eye irritation or eye damage. Causes skin irritation. Not intended for use on human skin. Harmful or fatal if swallowed. Wash contaminated clothing before reuse. Avoid contamination of food, water, or feed. To protect eyes, wear goggles or face shield and to protect skin, wear rubber gloves when handling.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless in accordance with a NPDES permit. For guidance contact your Regional Office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS**

HS-451 Swimming Pool Algaecide is a cationic germicide. Do not mix with soap or anionic materials.

**STORAGE AND DISPOSAL**

This product must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**PESTICIDE DISPOSAL**

Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed in a landfill approved for pesticides or buried in a safe place away from water supplies.

**CONTAINER DISPOSAL**

Do not reuse empty container. Wrap container and put in trash collection.

**GENERAL**

Consult federal, state or local disposal authorities for approved alternative procedures.

EPA Reg. No. 47371-1 EPA Est. No. 47371-1A-01

HS CHEMICALS DIVISION

970 E TIPTON ST. HUNTINGTON, IN 46750

219/356-8100

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 15 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended and the Federal Food, Drug, and Cosmetic Act as amended under EPA Act No.

47371-1A

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION, RM-567 WASHINGTON, D.C. 20460  <b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input checked="" type="checkbox"/> REREGISTRATION  <i>Under the Federal Insecticide, Fungicide,          and Rodenticide Act, as amended.</i>	EPA REGISTRATION NO. 47371-98	DATE OF ISSUANCE  
	TERM OF ISSUANCE  	
	NAME OF PESTICIDE PRODUCT HS-451 Swimming Pool Algaecide	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>H &amp; S Chemicals Division            970 East Tipton Street            Huntington, IN 46750</p> </div>		
<p><b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.</li> <li>2. Make the labeling changes listed below before you release the product for shipment:             <ol style="list-style-type: none"> <li>a. Add the phrase "EPA Registration No. 47371-98."</li> <li>b. According to your Confidential Formula you may declare no more than:                 <p style="margin-left: 40px;">Alkyl(C<sub>14</sub> 50%, C<sub>12</sub> 40%, C<sub>16</sub> 10%) dimethyl                        benzyl ammonium chloride . . . . . 10.24%</p> </li> <li>c. You may not declare more active ingredient than actually present.</li> <li>d. The net contents must be declared on the label or on the container.</li> </ol> </li> <li>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.</li> </ol> <p><input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
SIGNATURE OF APPROVING OFFICIAL <i>[Signature]</i>		DATE



GAMACIDE 1832

CS 944-1

**ACTIVE INGREDIENTS:**

D-sodium cyanodithinimidocarbonate ..... 6.3 %  
Potassium N-methyldithiocarbamate ..... 8.7 %

**INERT INGREDIENTS** ..... 85.0 %

**TOTAL** ..... 100.0 %

This product contains 1.36 lb. of active ingredients per gallon and weighs 9.1 lb. per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

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

**WARNING:** Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

**STATEMENT OF PRACTICAL TREATMENT:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the EPA.

**DIRECTIONS FOR USE  
GENERAL CLASSIFICATION**

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

GAMACIDE 1832 is used to control algae and bacteria in recirculating commercial and industrial water cooling towers. Prior to its use, systems must be cleaned to remove algal growth, microbiological slime, and other deposits. An initial slug addition of 3.9 to 7.8 fluid ounces of GAMACIDE 1832 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident.

Subsequent slug additions of 1.3 to 7.8 fluid ounces of GAMACIDE 1832 per 1000 gallons of water should be employed every 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture, or residue that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides, or buried in a safe place away from water supplies.

**CONTAINER DISPOSAL:**

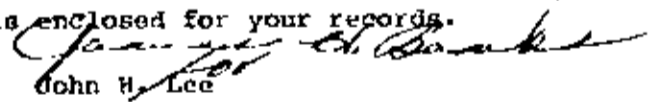
- 1) **METAL:** Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in an approved landfill or bury in a safe place. Containers over 30 gallons should be resealed before offering for reconditioning.
- 2) **PLASTIC:** Containers under 30 gallons must not be reused but should be triple rinsed and disposed of in an incinerator or landfill approved for pesticide containers or buried in a safe place. Containers over 30 gallons are to be resealed and offered for reconditioning or triple rinsed (or equivalent) and offered for recycling, reconditioning, or disposal in an approved landfill or buried in a safe place.

**GENERAL:** Consult Federal, State, or Local disposal authorities for approved alternative procedures.

Manufactured by:  
Sybron/Chemical Division - Gamlen  
Birmingham Road  
Birmingham, NJ 08011

EPA REG. NO. \_\_\_\_\_ EPA EST. NO. \_\_\_\_\_

NET CONTENTS

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20580	EPA REGISTRATION NO. 48094-1	DATE OF ISSUANCE
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Gamacide 1.832	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input checked="" type="checkbox"/> REREГИSTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Sybron/Chemical Division - Gamlen Birmingham Road Birmingham, NJ 08011		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:		
1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.		
2. Add the phrase "EPA Registration No. 48094-1" to your label before you release the product for shipment.		
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.		
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.		
<div style="text-align: center;">             John H. Lee            Product Manager (31)            Disinfectants Branch            Registration Division (TS-767C)         </div>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDE REGISTRATION  
REGISTRATION DIVISION (716) 627-6221

EPA REGISTRATION NO.

DATE OF ISSUANCE

TERM OF ISSUANCE

**NOTICE OF PESTICIDE:**

REGISTRATION  
 REREGERISTRATION

*(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)*

NAME OF PESTICIDE PRODUCT

NAME AND ADDRESS OF REGISTRANT (include ZIP code)

**NOTE:** Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

ATTACHMENT TO THE REGISTRATION NOTICE

NAME OF PRODUCT: CDB 90 TABLETS INDUSTRIAL WATER BIOCID

EPA Registration No. 230-85 Date 1/11/81

This registration is being issued with the understanding that the derivative of cyanuric acid which is contained in this product is under scrutiny for potential adverse effects to human. There may be some regulatory actions directed against all registered products containing this chemical as an active ingredient at some time in the future.