



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510C)  
1200 Pennsylvania Ave. N.W.  
Washington, D.C. 20460

EPA Reg. Number:

72674-40

Date of Issuance:

May 5, 2004

Term of Issuance: Conditional

Name of Pesticide Product: Pool Breeze  
Pool Care System Shock  
Treatment and Superchlorinator

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Avecia Biocides  
1405 Foulk Road  
P.O. Box 15457  
Wilmington, DE. 19850-5457

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to the use of the label in commerce. In any correspondence on this product always refer to the above 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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. Submit two copies of the revised final printed label for the record changing the EPA File symbol 72674-UN to EPA Registration Number 72674-40.
3. Move section "How to determine the capacity..." underneath the Physical and Chemical Hazards section.
4. In the Precautionary Statements section make the signal word DANGER bold and all caps. Change "causes skin and eye damage" to read causes irreversible eye and skin damage. At end of section add: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
5. Under the Environmental Hazards, delete all but the first sentence in accordance with Pesticide Registration Notice 95-1 since your packaged products are less than 50 pounds.
6. Under First Aid reorder treatment directions as follows: Eyes, Skin, Swallowed, Inhaled.

Submit two copies of the revised final printed label for the record.

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.

Signature of Approving Official:

*Emily H. Mitchell*  
Emily H. Mitchell  
Acting Product Manager 32

Date:

*05/05/04*

How to determine the capacity of your pool: First, Approximate the average depth in feet by adding the depth at the deep end to the depth at the shallow end and divide the total by two.

Then for rectangular or square pools:  
Multiply length (ft) x width (ft) x average depth (ft)  
x 7.5 = capacity of pool in gallons

For circular pools:  
Multiply diameter (ft) x diameter (ft) x average depth (ft)  
x 5.9 = capacity of pool in gallons

For oval pools:  
Multiply long axis (ft) x short axis (ft) x average depth (ft)  
x 5.9 = capacity of pool in gallons

Note: If pool has sloping sides, multiply total gallons calculated by 0.85 to arrive at the capacity of your pool.

#### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals**—(Danger) Highly Corrosive—causes skin and eye damage—may be fatal if swallowed—irritating to nose and throat. Wear goggles or face shield and rubber gloves when handling. Avoid breathing dust. Remove and wash contaminated clothing and shoes before reuse.

**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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**Physical and Chemical Hazards:** Strong oxidizing agent! Mix only with water. Use only a clean, dry utensil made of metal or plastic each time this product is taken from the container. Do not add this product to any disinfectant containing remnants of any other product. Such use could cause reaction leading to fire or explosion. Contamination with urea, acids, organic matter, other chemicals or easily combustible materials such as petroleum or paint products may start a fire or explosion with generation of heat, liberation of hazardous gases and possible generation of a fire or explosion. In case of contamination or decomposition, do not reuse container. If possible, isolate container in open air or well-ventilated area. Flood with large volumes of water, if necessary.

**NOTICE TO BUYER AND USER—LIMITED WARRANTY FROM AVECIA INC.**—Avecia Inc. ("Avecia") warrants that this product conforms to the chemical description on the label and that it is reasonably fit for the purposes stated on the label when used in accordance with Avecia's directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Avecia, and you as buyer or user assume the risk of any such use. Avecia will replace the product or refund the purchase price at your option should this warranty be breached within one year of sale. THE REMEDIATION OF ANY IMPLIED WARRANTIES UNDER APPLICABLE STATE LAWS SHALL BE LIMITED TO A PERIOD OF ONE YEAR.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. IN NO EVENT SHALL AVECIA BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, ON ANY THEORY WHATSOEVER, INCLUDING NEGLIGENCE, AND no person is authorized to alter the terms of Avecia's warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

For warranty assistance, write Business Manager, Pool Breeze, Wilmington, DE 19850 or contact your authorized dealer. This warranty gives you specific legal rights, and you may have other rights which vary from state to state. YOUR AUTHORIZED DEALER GIVES NO WARRANTY IN ADDITION TO AVECIA'S WARRANTY AND DISCLAIMS ALL OTHER WARRANTIES INCLUDING THOSE OF FITNESS OR MERCHANTABILITY. FOR EMERGENCY INFORMATION, CALL THE POISON CONTROL CENTER. (REST YOU OR CALL 1-800-286-7850)

Pool Breeze is a registered trademark of Avecia Limited

Sold by Avecia Inc.  
Wilmington, DE 19850

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EPA REG NO 72674-  
EPA Est. No 52270-GA-1  
LRS08-1201A

Made in U.S.A.  
88460L4A



*Bold: All caps causes irreversible eye and skin damage*  
*1st sentence only unless product is 75 gallons or 50 lbs*  
*Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.*

# POOL® breeze pool care system shock treatment and superchlorinator

Active Ingredient:  
Calcium Hypochlorite.....68%  
Inert Ingredients.....32%  
TOTAL.....100%

Minimum 65% Available Chlorine

## KEEP OUT OF REACH OF CHILDREN DANGER

DO NOT MIX WITH OTHER CHEMICALS.  
DO NOT ADD WATER TO PRODUCT.  
ADD PRODUCT TO WATER.

SEE ADDITIONAL PRECAUTIONARY  
STATEMENTS ON BACK PANEL.

### FIRST AID

- ② 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.
- ① 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.
- ④ IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
- ③ 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.

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY  
CONTRAINDICATE THE USE OF GASTRIC LAVAGE

MEDICAL EMERGENCY INFORMATION CENTER  
1-800-286-7850

Have the product container or label with you when calling a  
poison control center or doctor, or going for treatment

#### DIRECTIONS FOR USE

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

This product is a dry granular material in free flowing form which contains minimum 65% available chlorine. It provides a rapid source of chlorine containing disinfectant which protects the pool against the growth of bacteria and algae to help keep the pool in a sanitary condition.

**How to apply:** This product is best added to the pool as a solution. Dissolve the required quantity of this product in a plastic pail or bottle using 1 gallon of water to dissolve every 2 oz. (4 level tbsp.) of this product. Allow the mixture to settle and decant off the clear solution as a plastic sprinkling can and use the clear solution for treatment. This product may also be added to the pool by broadcasting the dry granules over the pool water surface. No one should be in the pool when chemicals are being added.

**Regular treatment for pools in use:** Maintain pool water parameters in the ranges recommended below or at levels required by local regulations. Obtain and make use of a pool test kit or test strips to measure pH, free chlorine residual, total alkalinity, water hardness, and cyanuric acid concentration.

Parameter	Test Frequency	Recommended Level
pH	Daily	7.2-7.6
Free Chlorine Residual	Daily	1 to 3 ppm in unstabilized pools, 2 to 4 ppm in unstabilized pools
Total Alkalinity as CaCO <sub>3</sub>	Weekly	80-120 ppm
Stabilizers (Cyanuric Acid)	Monthly	20 to 50 ppm
Water Hardness as CaCO <sub>3</sub>	Monthly	200 ppm minimum

**Initial Chlorination:** Before operation of your recirculation equipment. Superchlorinate the pool following the directions given below for superchlorination. Wait at least 4 hours, preferably overnight, then vacuum the pool bottom. Determine the free chlorine residual using your test kit or test strips. If no residual is found, superchlorinate again. Wait 30 minutes then retest. Repeat the treatment until a minimum 1.5 ppm (part per million) free chlorine residual has been established. Do not enter the water until the free chlorine residual is 4.0 ppm or less. Make certain the pool water parameters described above are in their proper ranges.

**Routine Chlorination:** The pH, total alkalinity, water hardness, and stabilizer concentration should be maintained at the proper levels. Subsequently add 3-4 oz. of this product (1-2 oz. in stabilized pools) per 5,000 gallons of water daily or as often as needed to maintain the desired free chlorine residual whether the pool is in use or not. Actual dosages of the product required to maintain the desired free chlorine residual will vary with sunlight, water temperature, bather load, stabilizer concentration, and other factors. Use a test strip frequently to determine and maintain the proper free chlorine residual. For small changes in free chlorine residual once a free chlorine residual is detected, the addition of 1 oz. (2 level tbsp.) of the product to 5,000 gallons of water will raise the free chlorine residual approximately 1.0 ppm.

**Superchlorination:** Superchlorination is recommended to combat the growth of algae and other micro-organisms and to destroy undesirable organic contamination which could build up in the pool water. Adjust pH using Pool Breeze® pool care system pH increaser or pH decreaser between 7.2 and 7.4 prior to superchlorinating. Add 5 oz. of this product to every 5,000 gallons of water. Maintain operation of your pump and filter. Treatment should be done at night or during a period when the pool is not in use. Superchlorinate at least once per week during period of heavy usage or when water temperatures are above 60°F and once every two weeks in residential pools receiving normal usage. Do not enter the pool until the free chlorine residual has dropped to 4.0 ppm or less.

**Shock Treatment:** Shocking is recommended when certain pool water quality problems such as visible signs of algae growth, noxious odors, or other unusual water quality problems develop. Adjust pH using Pool Breeze® pool care system pH increaser or pH decreaser between 7.2 and 7.4 prior to shocking. Add 16 oz. of this product to every 5,000 gallons of water. Maintain operation of your pump and filter. Treatment should be done at night or during a period when the pool is not in use. Do not enter the pool until the free chlorine residual has dropped to 4.0 ppm or less as measured using your test strip.

**Need for control of pH, total alkalinity, water hardness, and use of stabilizer:** Maintaining the proper pH, total alkalinity, and water hardness is necessary to obtain proper water balance, and help avoid problems such as cloudy water, scaling, corrosion and swimmer discomfort. Stabilizer such as Pool Breeze® pool care system Stabilizer slow down the rate at which chlorine is destroyed by sunlight. Follow carefully the directions given with the product when using a stabilizer. Kits of Pool Breeze® Test Strips for test free chlorine, pH, total alkalinity, water hardness, and cyanuric acid concentration are an integral part of a proper program for controlling the quality of your pool water. The Test Strips are inexpensive and available from most pool chemical dealers.

#### STORAGE AND DISPOSAL. READ BEFORE USING.

Keep in original container in a cool, dry, well-ventilated place.

Keep container closed when not in use.

Keep away from heat sources, sparks, open flames and lighted tobacco products.

Use only a clean, dry utensil made of metal or plastic each time this product is taken from the container.

#### CONTAINER DISPOSAL:

Do not reuse container. Residual materials remaining in empty drum can react to cause fire. Thoroughly flush empty container with water, then destroy by placing in trash collection.

#### PESTICIDE DISPOSAL:

Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal.

In case of fire—drench with water. Calcium hypochlorite supplies oxygen, therefore, attempts to smother fire with a wet blanket, carbon dioxide, or a dry chemical extinguisher are ineffective.

In case of spill or leak—use extreme caution. Contamination may cause fire or violent reaction. If fire or reaction occurs in area of spill, douse with plenty of water. Otherwise, sweep up spilled material using a clean, dry shovel and broom and dissolve spilled material in water. Then immediately use solution as directed.

FOR INFORMATION ON SPILL: CALL 1-800-424-2466



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with COMMENTS  
in EPA Letter Dated:

MAY - 5 2004

Net Wt. 1 lb. (453.6 g)

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