

1258-1246

3-21-2006

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

March 21, 2006

Robert W. Gruber  
Regulatory Manager  
Arch Chemicals, Inc.  
1955 Lake Park Drive  
Smyrna, GA 30080

Subject: HTH Super Sock It Shock N' Swim Shock Treatment  
EPA Registration 1258-1246  
Application Date: February 14, 2006  
Receipt Date: February 22, 2006

Dear Mr. Gruber:

This acknowledges receipt of your notification, submitted under the provision of PR Notice 98-10, FIFRA section 3(c)9.

**Proposed Notification**

- minor changes to the shock treatment directions

**General Comments**

Based on a review of the material submitted, the following comments apply:

The notification application is acceptable and a copy has been placed in your file for future reference.

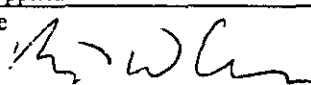
Should you have any questions or comments concerning this letter, please contact me at (703) 308-6345.

Sincerely,

Wanda Y. Henson  
Product Manager (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

**CONCURRENCES**

SYMBOL	7510C	7510C					
SURNAME	E. Berg	Henson					
DATE	3/14/06	3/21/06					

<b>EPA</b>	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<b>Registration Amendment XOther</b>	OPP Identifier Number		
<b>Application for Pesticide – Section I</b>					
1. Company/Product Number 1258-1246	2. EPA Product Manager E Mitchell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted			
4. Company/Product (Name) <b>HTH Super Sock It Shock N' Swim Shock Treatment</b>		PM# 32			
5. Name and Address of Applicant (Include ZIP Code) Arch Chemicals, Inc. 1955 Lake Park Dr. Smyrna, GA 30080  <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____			
<b>Section - II</b>					
Amendment – Explain below. Resubmission in response to Agency letter dated _____		<input type="checkbox"/> Final printed labels in response to Agency letter dated _____			
<input checked="" type="checkbox"/> Notification – Explain Below.		<input type="checkbox"/> "Me Too" Application			
		<input type="checkbox"/> Other – Explain Below.			
<b>Explanation:</b> Use additional page(s) if necessary. (For Section I and Section II.)  Notification to reformat Pool Shock Treatment directions. Changes are highlighted in Red on the label.					
<b>Section - III</b>					
<b>1. Material This Product Will Be Packaged In:</b>					
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted					
	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Packaging wgt.	No. per Container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled					
<b>Section - IV</b>					
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application..)					
Name Robert W Gruber		Title Regulatory Manager			
		Telephone No. (Include Area Code) 770-805-3214			
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law			6. Date Application Received (Stamped)		
2. Signature 		2. Title Regulatory Manager			
4. Typed Name Robert W Gruber		5. Date 12/14/05			

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{Items in braces are for information purposes, and will not appear on the label}  
[Items in brackets are optional, and may appear on the label]

# HTH® SUPER SOCK IT® SHOCK N' SWIM SHOCK TREATMENT & SUPERCHLORINATOR FOR SWIMMING POOLS

KEEP OUT OF REACH OF CHILDREN

## DANGER

CONTAMINATION OR IMPROPER USE MAY CAUSE FIRE OR EXPLOSION. DO NOT MIX WITH OTHER CHEMICALS, INCLUDING OTHER POOL CHLORINATING COMPOUNDS.  
ADD ONLY INTO WATER.

READ ALL PRECAUTIONARY STATEMENTS ON BACK LABEL AND FIRST AID STATEMENTS BELOW BEFORE USE

**ACTIVE INGREDIENT:**  
CALCIUM HYPOCHLORITE.....62.4%  
**OTHER INGREDIENTS**..... 37.6%  
**TOTAL**..... 100%

Available Chlorine..... 60 %

For the authority having jurisdiction over fire code enforcement: This product meets the NFPA criteria for a class one oxidizer.

Patent Pending

EPA Reg. # 1258- 1246

EPA Est. # 1258-TN-1

**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 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person. **If Inhaled:** Remove 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 a poison control center or doctor for further treatment advice. Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. IN CASE OF EMERGENCY CALL: 1-800-654-6911

Arch Chemicals Inc.  
501 MERRITT 7  
NORWALK, CT. 06856

Net Wt. 1 oz. (0.028 KG); Net Wt. 2 oz. (57 gm.); Net Wt. 3 oz. (0.085 KG); Net Wt. 4 oz. (0.113 KG); Net Wt. 5 oz. (0.142 KG); Net Wt. 6 oz. (0.170 KG); Net Wt. 7 oz. (0.198 KG); Net Wt. 8 oz. (0.227 KG); Net Wt. 9.5 oz. (0.269 KG); Net Wt. 10 oz. (0.284 KG); Net Wt. 12 oz. (0.341 KG); Net Wt. 14 oz. (0.397 KG); Net Wt. 1 Lb. (0.45 KG); Net Wt. 18 oz. (0.51 KG); Net Wt. 20 oz. (0.567 KG); Net Wt. 1.5 Lb. (0.681 KG); Net Wt. 2 Lb. (0.9 KG); Net Wt. 5 Lb. (2.27 KG); Net Wt. 10 Lb. (4.54 KG); Net Wt. 15 Lb. (6.8 KG); Net Wt. 20 Lb. (9.09 KG); Net Wt. 23 Lb. (10.4 KG); Net Wt. 23.4 Lb. (10.6 KG); 25 lb. (11.3 kg.); Net Wt. 50 Lb. (22.7 KG); Net Wt. 55 Lb. (25 KG); Net Wt. 75 Lb. (34.1 KG)

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Kills bacteria, Controls Algae, Destroys organic contaminants, No need to pre-dissolve, Routine Chlorinator, Shock Treatment (and) Superchlorinator for Swimming Pools and Spas, Restores a crystal clarity to pool water, Buffered Sanitizer, Oxidizer, Removes organic waste and produces sparkling clean swimming pool water. For pool startup and weekly shock treatment, for heavy bather loads or after heavy rains, Will not cause over stabilization, Contains no cyanuric acid, Sanitizes pool water, Swimming pool sanitizer, Innovative, Exclusive, patented technology, 60% available chlorine, Powerful shock treatment for crystal clear water, Fast acting, Quick dissolving, Patented, Good for all pool surfaces, Ideal for Vinyl lined pools

**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 concentrated chlorinating agent. It is in a dry, free-flowing form. It kills bacteria, controls algae and destroys organic contaminants in pools.

READ ALL PRECAUTIONARY STATEMENTS BEFORE USE.

**METHOD OF APPLICATION:** For one pound bag, use entire bag when opened. For other products, measure only with the clean, dry cup if provided. Do not use the cup for any other purpose. Add the recommended dosages of this product during evening hours while the filter pump is running. When adding this product to your pool, broadcast the product evenly over a wide area in the deepest part of the pool. If any of the granules settle to the bottom of the pool use brush to disperse. Let pump run 6 to 8 hours minimum after applying.

**ROUTINE CHLORINATION:** Throughout the pool season, adjust pH to 7.2 – 7.6. Allow to pH adjustment chemicals to disperse and add 6 to 9 oz. of this product per 10,000 gallons of pool water daily or as often as needed to maintain chlorine residual at 1–4 parts per million (ppm). If you have stabilized your pool using HTH Stabilizer & Conditioner (or similar product) add 3 to 5 oz. per 10,000 gallons every other day or as often as needed to maintain a chlorine residual at 1–4 ppm. Follow "Method of Application". As a preventative treatment, you should shock treat your pool once a week to prevent pool problems. In addition to weekly shock treatment, you should shock treat to remedy problems which may occur when bathing loads are high, water appears hazy or dull, unpleasant odors or eye irritation occur, after heavy wind and rainstorms, or if algae does develop with resulting green color and slimy feeling walls.

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**POOL SHOCK TREATMENT:** Add the recommended dosages of this product while the filter pump is running. See METHOD OF APPLICATION. When adding this product to your pool, broadcast the product evenly over a wide area in the deepest part of the pool. **DOSAGE RATE:** Adjust and maintain pH to 7.2 - 7.4 with HTH pH Plus or HTH pH Minus. Follow label directions. Allow pH adjustment chemicals to disperse and add 1 lb. (16 oz.) of this product per 14,000 gallons [16 to 32 ounces per 15,000 gallons] of water weekly to help prevent pool problems.

{Only the correct dosage will be put on the individual bag}  
{For one time dose single use bags, use the following dosage rate for 5 - 10 ppm available chlorine by weight:}

- 1 ounce bag: 1 to 2 ounces per 900 gallons (one to two bags)
- 2 ounce bag: 2 to 4 ounces per 1,800 gallons (one to two bags)
- 3 ounce bag: 3 to 6 ounces per 2,800 gallons (one to two bags)
- 4 ounce bag: 4 to 8 ounces per 3,700 gallons (one to two bags)
- 5 ounce bag: 5 to 10 ounces per 4,600 gallons (one to two bags)
- 6 ounce bag: 6 to 12 ounces per 5,600 gallons (one to two bags)
- 7 ounce bag: 7 to 14 ounces per 6,600 gallons (one to two bags)
- 8 ounce bag: 8 to 16 ounces per 7,500 gallons (one to two bags)
- 10 ounce bag: 10 to 20 ounces per 9,200 gallons (one to two bags)
- 12 ounce bag: 12 to 24 ounces per 11,000 gallons (one to two bags)
- 14 ounce bag: 14 to 28 ounces per 13,000 gallons (one to two bags)
- 16 ounce bag: 16 to 32 ounces per 15,000 gallons (one to two bags)
- 18 ounce bag: 18 to 36 ounces per 17,000 gallons (one to two bags)
- 20 ounce bag: 20 to 40 ounces per 18,000 gallons (one to two bags)
- 1.5 lb. Bag: 1.5 to 3 lbs. per 22,000 gallons (one to two bags)
- 2 lb. Bag: 2 to 4 lbs. per 30,000 gallons (one to two bags)

Use entire contents of bag when opened.

{End of dosage instructions for one time dose single use bags}

Additional shock treatments {1 lb. (16 oz.) per 14,000 gallons of water} may be required to correct problems which are caused by: visible algae; high bathing loads; heavy wind and rainstorms. Additional shock treatments will also remove: unpleasant odors, eye irritation.

Do not reenter pool until the free available chlorine residual is 1 to 4 ppm.

Shock treat your pool when opening, then weekly to prevent pool problems.

**SUPER CHLORINATION:** In the summer months when the pool water temperature is 80° F or above, or if the chlorine residual falls rapidly after regular chlorination, super chlorination is recommended. Super chlorinate the pool by adding (for one pound bag) 1 bag or (for all other products) 1 pound of this product per 8,000 gallons of water every other week. Do not use the pool until the chlorine residual has dropped to 4 ppm.

**ALGAE CONTROL:** If the sides or bottom of your pool develop algae spots, direct this product as close to the algae as possible. Follow "Shock Treatment" directions. **Note:** Prolonged contact with pool surfaces may cause staining or bleaching. Immediately after treatment thoroughly clean pool by brushing surface of algae growth, vacuum and cycle through filter. If necessary, repeat the treatment. Pool should not be entered until the chlorine residual is 1 to 4 ppm.

**OPENING YOUR POOL:** Follow "Shock Treatment" directions. Allow 30 minutes for product to disperse and test chlorine residual with a pool test kit. Repeat dosage, as needed, until chlorine residual is 1 to 4 ppm.

**WINTERIZING:** While the water is still clear and clean, prepare for long periods of disuse by gradually adding 1 lb. of this product per 8,000 gallons of pool water (to provide a dosage of 10 ppm free available chlorine). Follow "Method of Application". Run the filter until completely dissolved. Cover the pool with a pool cover and prepare the heater, pump and filter components for winterizing by following manufacturers directions.

**WATER BALANCE:** For best product performance, swimmer comfort and crystal clear water: Maintain pH in the 7.2-7.6 range. Maintain total alkalinity in the 60-100 ppm range. Maintain calcium hardness above 200 ppm. Maintain available chlorine level at 1-4 ppm with the use of your normal sanitizer. Use a reliable test kit that measures all these ranges. Use the HTH Pool Care products to make adjustments. Follow label directions for each product.

**SPA/HOT-TUB TREATMENT:** Apply 0.6 oz. of product per 500 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.6. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product. To maintain the water, apply 0.6 oz. of product per 500 gallons of water over the surface to maintain a chlorine concentration of 5 ppm. Do not enter spa until chlorine residual is 1-5 ppm. After each use, shock

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treat with 1.7 oz. of this product per 500 gallons of water to control odor and algae. During extended periods of disuse, add 1.7 oz. of product daily per 500 gallons of water to maintain a 3 ppm chlorine concentration.

**FOR SMALL POOLS: METHOD OF APPLICATION:** Use the cap to measure. Add the recommended dosages of this product after each usage or as needed. When adding this product to your pool, broadcast the product evenly over surface of the pool. **ROUTINE CHLORINATION:** Throughout the pool season, add approximately one teaspoon (3 grams) of this product per 200 gallons of pool water daily or as often as needed to maintain chlorine residual at 1-3 ppm. **SHOCK TREATMENT:** Add approximately three teaspoons (9 grams) of this product per 200 gallons of water to provide a dosage of 9 ppm free available chlorine. Do not reenter pool until chlorine residual is 1.0 to 4.0 ppm.

**SEWAGE & WASTEWATER EFFLUENT TREATMENT:** The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and/or Fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, of the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

On the average, satisfactory disinfection of secondary wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent.

The following are critical factors affecting wastewater disinfection.

1. **Mixing:** It is imperative that the product and the waste water be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the waste water.
2. **Contacting:** Upon flash mixing, the flow through the system must be maintained.
3. **Dosage/Residual Control:** Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after 15 minutes contact time.

**EFFLUENT SLIME CONTROL** - Apply a 100 to 1000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 2.25 to 22 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 0.33 oz. of this product with 100 gallons of water.

**STORAGE & DISPOSAL:** Keep this product dry in its tightly closed container when not in use. Store in a cool, dry, well-ventilated area. Keep away from heat or open flame. Do not reuse empty container. Place in trash collection. Do not contaminate food or feed by storage or disposal or cleaning of equipment. **FOR DISPOSAL OF A CONTAMINATED OR DECOMPOSING PRODUCT SEE EMERGENCY HANDLING.**

**PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER: Highly Corrosive.** Causes skin burns and irreversible eye damage. Harmful if absorbed through skin. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear protective clothing. Do not handle with bare hands. Wear goggles or face shield, and use rubber gloves. Only use utensils which are thoroughly clean and dry. Irritating to nose and throat. Avoid breathing dust and fumes. Remove contaminated clothing and wash clothing separately before reuse. Wash thoroughly with soap and water after handling

**CHEMICAL HAZARDS: DANGER.** Strong oxidizing agent. Add only into water. Use only clean dry utensils to dispense this product. Do not use this product in a dispensing device that has been used with any product other than Calcium Hypochlorite. Keep all of these away from this product: moisture, dirt, dirty rags, garbage, chemicals including other pool chemicals (such as cyanuric acid pool stabilizers), other pool chlorinating compounds (such as Trichloro-s-Triazinetrione or Sodium Dichloro-s-Triazinetrione), household products, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, or any other foreign matter. Contamination may start a chemical reaction that can give off heat and hazardous gases and may cause a fire or explosion. **DO NOT** touch this chemical with a flame or burning material, (like a lighted cigarette).

**ENVIRONMENTAL HAZARD:** This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, 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.

**EMERGENCY HANDLING:** In case of contamination or decomposition: Do not reseal container. Place the container in an open and well-ventilated area by itself (if possible). Flood with large amounts of water until the material is dissolved. Dispose of container and any remaining contaminated material in an approved landfill area.

**HTH HELPLINE**

Toll-Free -800-HTH-POOL (800-484-7665) (866-4POOLFUN)

Call 7 days a week with your questions concerning pool water care.

8:00 a.m. - 10:00 p.m. Eastern Time

Please visit <http://www.hthpools.com> ([www.hthpoolife.com](http://www.hthpoolife.com))