

55852-3

05/09/2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

May 9, 2007

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Heather R. Bjornson  
Regulatory Agent for  
Champion Packaging & Distributing  
c/o Technology Sciences Group, Inc.  
1101 17<sup>th</sup> Street, N.W., Suite 500  
Washington, D.C. 20036

Subject: Sodium Hypochlorite Solution  
EPA Registration No. 55852-3  
Application Date: April 26, 2007  
Receipt Date: April 27, 2007

Dear Ms. Bjornson:

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

**Proposed Notification**

- addition of optional label claim "Vented Cap, Keep Upright"

**General Comments**

Based on a review of the material submitted, the following comment applies:

The notification application is acceptable and a copy had 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 Reviewer (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

CONCURRENCES							
SYMBOL	7510P	7510P					
URNAME	E. Berg	Henson					
DATE	5/9/07	5/9/07					

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**WASHINGTON**

1150 18th Street, N.W.  
Suite 1000  
Washington, D.C. 20036  
Telephone 202 223-4392  
Fax 202 872-0745

Emily Mitchell  
Antimicrobial Division (7504P)  
Office of Pesticide Products  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

April 26, 2007

**Re: Champion Packaging & Distributing, Inc.: Sodium Hypochlorite Solution (EPA Registration No. 55852-3)**

**Notification per PR-Notice 98-10**

**SACRAMENTO**

712 Fifth Street  
Suite A  
Davis, CA 95616  
Telephone 530 757-1298  
Fax 530 757-1299

Dear Ms. Mitchell:

Technology Sciences Group, Inc., on behalf of Champion Packaging & Distributing, Inc. is submitting the enclosed notification for the above-referenced product. The purpose of this notification is to add an optional label claim.

You will find in support of this notification

- 1) Notification application form;
- 2) One redline copy of the draft label; and
- 3) Three clean copies of the label.

Please do not hesitate to contact me if you have any questions regarding this notification. Please note: TSG has moved and all correspondence regarding this notification should be sent to my attention at: 1150 18<sup>th</sup> Street NW, Suite 1000, Washington D.C. 20036.

Sincerely,

Heather R. Bjornson  
Regulatory Agent to Champion Packaging & Distributing, Inc.  
Ph. (202) 828-8945  
[hbjornson@tsgusa.com](mailto:hbjornson@tsgusa.com)

**CANADA**

275 Slater Street  
Suite 900  
Ottawa, Ontario  
K1P 5H9  
Telephone 613 247-6285  
Fax 613 236-3754



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 55852-3	2. EPA Product Manager Emily Mitchell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Sodium Hypochlorite Solution	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Champion Packaging & Distributing, Inc. 1840 International Parkway Woodbridge, IL 60517 <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 _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 The purpose of this notification is to add an optional label claim. This notification is not subject to PRIA. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling of the Confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

<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" Package 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"/>
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Heather R. Bjornson, Technology Sciences Group, Inc.	Title Regulatory Agent	Telephone No. (Include Area Code) (202) 828-8945
Certification 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.		8. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Agent for Champion Packaging & Distributing	
4. Typed Name Heather R. Bjornson	5. Date April 26, 2007	

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# SODIUM HYPOCHLORITE SOLUTION

[Alternate Brand Names: *Champion Pool Shock 12.5%, Clear-X Pool Shock, Malibu Pool Shock, ProChlor Pool Shock, Pro-Tech Liquid Chlorinator, Sparkle 'n Shine, Wolf Pools & Spas, Inc. SHOCK, Warsaw Chemical Co, Inc. Sodium Hypochlorite Pool Brite Sanitizer*]

**Active Ingredient:**  
Sodium Hypochlorite.....12.5%  
**Inert Ingredients..... 87.5%**  
**Total.....100.0%**  
Available Chlorine 15%

## 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. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED,** immediately call a poison control center or doctor 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 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. 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.

FOR MEDICAL EMERGENCY Call INFOTRAC 1-800-535-5053

### PRECAUTIONARY STATEMENTS:

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses and rubber gloves when handling this product. Wash thoroughly after handling. May be fatal if swallowed. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

#### ENVIRONMENTAL HAZARDS:

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public 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. Chlorine must be allowed to dissipate from treated pool water before discharge. Do not make any chlorine application within 24 hours of discharge.

#### PHYSICAL AND CHEMICAL HAZARDS:

**STRONG OXIDIZING AGENT:** Mix only with water according to label directions. Mixing this product with chemicals (e.g. ammonia, acids, detergents, etc.) or organic matter (e.g. urine, feces, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes, which can also be fatal. Mixing this product with cyanide compounds will release cyanogen chloride which is irritating to eyes, lungs and mucous membranes, which can also be fatal.

#### STORAGE AND DISPOSAL:

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used

Packaged by:  
Champion Packaging, Inc.  
1840 Internationale Parkway  
Woodridge, IL 60517  
Net Weight:

should be diluted with water before disposal in a sanitary sewer. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

Empty containers may contain hazardous product residues. Rinse empty container thoroughly with water and either return to manufacturer or discard by placing this container in trash collection or burying in an approved landfill.

#### SWIMMING POOL WATER DISINFECTION

For a new pool or for spring start-up, superchlorinate with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 PPM available chlorine by weight. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 PPM.

To maintain the pool, add manually or by a feeder device 11 oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.0 PPM by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 PPM available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers.

Every 7 days or as necessary, superchlorinate the pool with 52 to 104 oz. of product for each 10,000 gallons of water to yield 5 to 10 PPM available chlorine by weight. Check the level of available chlorine with a test kit. Do not enter pool until the chlorine residual drops below 4.0 PPM.

At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be allowed to dissipate from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

**WINTERIZING POOLS:** While water is still clear and clean, apply 3 oz. of product per 1000 gallons, while filter is running, to obtain a 3 PPM available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturers' instructions.

See technical data sheet for other use directions.

#### DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not transfer to unmarked containers. Keep containers closed with closure end up. Use in a well-ventilated area. Before use, review material safety data sheet for other information, including possible chronic health effects. When opening, loosen closure carefully.

**NOTE:** Sodium hypochlorite solutions degrade with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chloride.

EPA Reg. No. 55852-3  
Est. Reg. 55852-IL-001

FOR CHEMICAL EMERGENCY DURING TRANSPORTATION ONLY  
Call INFOTRAC 1-800-535-5053  
24 hours per day, 7 days per week

(1) Scrape and prewash utensils and glasses whenever possible. (2) Wash with a good detergent or compatible cleaner. (3) Rinse with clean water. (4) Sanitize in a solution of 1/4 ounce to each gallon water (200 PPM). Immerse all utensils for at least two minutes or for contact time specified by governing sanitary code. (5) Place sanitized utensils on a rack or drainboard to air dry. Note: A clean potable water rinse following sanitization is not permitted under Section H 96.16 (2) (c) of the Wisconsin Administrative Code.

**DILUTION TABLE**

100 PPM.....	1/4 ounce to 2 gallons water
200 PPM.....	1/4 ounce to 1 1/4 gallons water
400 PPM.....	1/2 ounce to 1 1/4 gallons water
1000 PPM.....	1 1/4 ounces to 1 1/4 gallons water

**LAUNDRY:** To bleach and sanitize white and colorfast cotton, linen, nylon, dacron, orlon, and rayon, use 1/2 cup bleach per load for conventional washing machine and 1/4 cup for front loading machine. Add to presoak, wash water or first rinse. If clothes are in machine, dilute bleach in one quart water before adding.

**STAIN REMOVAL:** For stubborn stains from grass, mildew, ink, scorch, coffee, fruit, berry, etc. mix 1/8 cup of bleach in one quart water. Immerse fabric for up to 5 to 10 minutes. Rinse well in clear water. Repeat if necessary. Use porcelain, rubber, or glass container.

**TO WHITEN NYLON & OTHER SYNTHETICS** that have turned yellow or gray: Use one tablespoon bleach per gallon of water. Soak clean fabric in solution 15 to 20 minutes, rinse well. Repeat if necessary.

**DEODORIZING AND SANITIZING:** For baby clothes, diapers, dish cloths, etc., first wash, then soak in solution of 1/2 tablespoon of bleach to 1 gallon of water for 5 minutes. Rinse well. For wooden utensils, floors, breadboards, sinks, etc., wash in normal manner, then soak or wet with a solution of 1/8 cup of bleach in 1 quart water. Let stand for 5 minutes. Air dry.

**TO CLEAN BATHROOM AND KITCHEN:** For refrigerator, tile, bathtub, etc., use one tablespoons bleach to 1 quart water. Simply wash, rinse, apply bleach solution, let air dry.

**SPAS, HOT TUBS, IMMERSIONS TANKS, ETC.**

**SPAS/HOT TUBS** – Apply 5 oz. of product per 1000 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 5 oz. of product per 1000 gallons of water over the surface to maintain a chlorine concentration of 5 PPM.

After each use, shock treat with 8 oz. of this product per 500 gallons of water to control odor and algae.

During extended periods of disuse, add 4 oz. of product daily per 1000 gallons of water to maintain a 3 PPM chlorine concentration.

**DIRECTIONS FOR DISINFECTION OF POTABLE WATER FOR HOME WELL WATER SYSTEMS**

Dilute this sodium hypochlorite solution in the ratio of one part solution to nine parts softened water. Mix thoroughly and begin feeding with a hypochlorinator (metering pump). Maintain a free available chlorine residual of at least 0.2 PPM and not more than 0.6 PPM throughout the distribution system, as determined by a DPD chlorine test kit. Bacteriological sampling must be conducted

Primary Drinking Water Regulations. Check water frequently with a DPD chlorine test kit. For further details, contact your local Health Department.

**DIRECTIONS FOR SANITIZING FOOD PROCESSING OR DAIRY EQUIPMENT**

Clean equipment in the normal manner. Just before using, rinse all surfaces thoroughly with a sodium hypochlorite solution containing 200 PPM available chlorine. One ounce (2 tbsp.) of this solution per four gallons of water will provide approximately 200 PPM available chlorine. Maintain contact with disinfectant for a minimum of two minutes. Do not rinse with water after treatment. Do not soak overnight.

**DIRECTIONS:**

Pour directly into pool or feed through your mechanical chlorinator. Apply in evening or early morning as sunlight dissipates chlorine rapidly.

Pool Capacity In gallons	Suggested Daily Dosages
10,000	11 oz.
20,000	22 oz.
30,000	33 oz.
40,000	44 oz.
50,000	55 oz.
75,000	82 oz.
100,000	110 oz.

For food contact surfaces, available chlorine must be maintained between 100 PPM to 200 PPM.

TABLE OF PROPORTIONS – AVAILABLE CHLORINE	
.1ppm –	.10 fluid ounces per 1000 gallons water
1ppm –	1.0 fluid ounces per 1000 gallons water
10ppm –	10 fluid ounces per 1000 gallons water
100ppm –	99 fluid ounces per 1000 gallons water
200ppm –	198 fluid ounces per 1000 gallons water
800ppm –	792 fluid ounces per 1000 gallons water
1000ppm –	990 fluid ounces per 1000 gallons water

TABLE OF PROPORTIONS – AVAILABLE CHLORINE	
200 ppm –	.99 fluid ounces per 5 gallons water
800 ppm –	3.97 fluid ounces per 5 gallons water
1000 ppm –	4.99 fluid ounces per 5 gallons water
5000 ppm –	25 fluid ounces per 5 gallons water
10000 ppm –	50 fluid ounces per 5 gallons water

**Optional Label Claims:**

- Liquid Chlorinating Product
- Liquid Chlorinator (for Swimming Pool Water)
- Liquid Chlorinating Chemical for Swimming Pools
- Bacteria and Algae Control
- Liquid Swimming Pool Chlorine
- For Swimming Pool and Water Treatment
- For Swimming Pool Chlorination
- Vented Cap, Keep Upright