

MAR 4 2004

Ms. Heather R. Bjomson  
Champion Packaging & Distributing, Inc.  
1840 Internationale Parkway  
Woodridge, IL 60517

Subject: Sodium Hypochlorite Solution  
EPA Registration Number 55852-2  
Application Date: 12/29/03  
Receipt Date: 12/29/03

Dear Ms. Bjomson:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the conditions listed below:

- Per your letter dated 12/29/03

**Conditions**

1. You must place the "Net Weight" or "Net Content" on your label.
2. On front panel, delete "CAS No. 7681-52-9" if has no relevance to the label.
3. In the "Ingredient" statement place the word Total 100%.

**General Comments**

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6372.

Sincerely,

*Delores E. Williams*

Delores E. Williams  
Product Reviewer, Team 32  
Regulatory Management Branch II  
Antimicrobials Division (7510C)

SYMBOL							
SURNAME							
DATE							

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# SODIUM HYPOCHLORITE SOLUTION

CAS NO. 7681-52-9

**Active Ingredient:**  
Sodium Hypochlorite..... 10%  
**Inert Ingredients..... 90%**

**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,** 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.

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

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

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

**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.

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

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

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

55852-2

**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 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.

**SWIMMING POOL WATER DISINFECTION**

For a new pool or for spring start-up, superchlorinate with 58 to 116 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 11.6 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 58 to 116 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 between 1 to 3 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 4.5 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.

EPA Reg. No. 55852-2  
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

**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.

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

SPAS/HOT TUBS – Apply 5.5 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 5.5 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 9 oz. of this product per 500 gallons of water to control odor and algae.

During extended periods of disuse, add 4.5 oz. of product daily per 1000 gallons of water to maintain a 3 PPM chlorine concentration.

**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	12 oz.
20,000	24 oz.
30,000	36 oz.
40,000	48 oz.
50,000	60 oz.
75,000	90 oz.
100,000	120 oz.

