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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 27, 2016

Mrs. Abigail T. D. Wacek Regulatory Consultant To: Champion Packaging and Distribution, Inc. Technology Sciences Group: TSG 1150 18<sup>th</sup> Street, NW, Suite 1000 Washington, DC 20036

Subject: Notification per PRN 98-10 – Minor Label Changes Product Name: Sodium Hypochlorite Solution 12.5% EPA Registration Number: 55852-3 Application Date: July 1, 2016 Decision Number: 519383

Dear Mrs. Wacek:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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If you have any questions, you may contact Killian Swift at 703-308-6346 or via email at Swift.Killian@epa.gov.

Sincerely,

R, for Warder J.

Demson Fuller, Product Manager 32 Regulatory Management Branch II Antimicrobials Division (7510P) Office of Pesticide Programs

# SODIUM HYPOCHLORITE SOLUTION 12.5%

[Alternate Brand Names: Champion Liquid Chlorinator, Champion Pool Shock Liquid Chlorinator, Champion Pool Shock Liquid Chlorinator, Clear-X Pool Shock, LC12 Pool Shock, Majestic Pool Shock, Malibu Pool Shock, Nature's Way Pool, Pool Shock, Pro-Clor Pool Shock, Simple Blue Liquid Chlorinator, Sodium Hypochlorite]

# **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. 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 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.

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

or

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

[Please see label on bottles inside this package for additional information.] [Please see back/side/interior panel/container for additional information and directions for use.] [Please see back/side/interior panel/container for directions for use.]

#### **PRECAUTIONARY STATEMENTS:**

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye and skin damage. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear safety glasses and rubber gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

### **ENVIRONMENTAL HAZARDS:**

This product is toxic to fish and aquatic organisms.

(For commercial/industrial uses, product 5 gallons or larger) 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.

(For residential use) To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over treated area will help avoid run off to water bodies or drainage systems.

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.

DO NOT STORE POOL SHOCK NEAR ACID (Note to reviewer: This claim is only required for pool uses.) PRODUCT REQUIRES VENTED CAP

NOTIFICATION

#### 55852-3

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

#### 07/27/2016

### STORAGE AND DISPOSAL:

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

**Pesticides Storage**: 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.

**Pesticide Disposal**: Wastes of this product may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of according to the label instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste Representative at the nearest EPA Regional Office for guidance. **Container Handling**: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. *[For product containers equal to or less than 5 gallons]* Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay of smoke. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use of disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

[For product containers greater than 5 gallons] Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or a mix tank or store rinsate for later use of disposal. Repeat this procedure two more times. Then offer recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning, stay out of smoke..

### DIRECTIONS FOR USE:

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

## 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.

**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.

**DIRECTIONS FOR USE IN EATING ESTABLISHMENTS**: (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	<sup>1</sup> / <sub>4</sub> 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 PPM11⁄4	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.

### Laundry Sanitizers (Commercial Laundry Sanitizers)

Wet fabrics or cloths should be spun dry prior to sanitization. Thoroughly mix 2 oz. of this product with 10 gallons of water to yield 200 ppm chlorine. Promptly after mixing the sanitizer, add the solution into pre-wash fabric/cloths in the regular wash cycle with good detergent. Test the level of available chlorine. If solution has been allowed to stand, add more of the product if available chlorine level has dropped below 200 ppm.

**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**: 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 at a frequency no less than that prescribed by the National Interim 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	Suggested Daily
In gallons	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
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

**Sanitizing (Sanitization of) Nonporous Food Contact Surfaces** – Prepare a sanitizing solution by thoroughly mixing 2 Tbsp. (1 oz.) of this product with 2 ½ gallons of water to provide approximately 200 PPM available chlorine by weight. Clean all surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

**RINSE METHOD** – A solution of 100ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50ppm. Prepare a 100ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water to product approximately 200ppm available chlorine by weight.

Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. If solution contains less than 50ppm available chlorine. As determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment and do not soak equipment overnight.

Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

**IMMERSION METHOD** – A solution of 100ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below to 50ppm. Prepare a 100ppm sanitizing solution by thoroughly mixing 1 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water to product approximately 200ppm chlorine by weight.

Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least minutes and allow sanitizer to drain. If solution contains less than 50ppm available chlorine, as determined by a suitable test kit, either discard solution or add sufficient product to reestablish a 200ppm residual. Do not rinse the equipment with the water after treatment and do not soak equipment overnight. Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

**CLEAN-IN-PLACE-METHOD** – Thoroughly clean equipment after use. Prepare a volume of a 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing the product in a ratio of 2 oz. product with 10 gallons of water. Pump solution through the system until the full flow is obtained at all extremities, the system is completely filled with sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 10 minutes to insure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine. Do not rinse system with potable water prior to use.

**SPRAY METHOD** – Pre-clean all surfaces after use. Use a 200ppm available chlorine to solution to control bacteria, mold or fungi and a 600ppm solution to control bacteriophage. Prepare 200ppm sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 2 oz. product with 10 gallons of water. Prepare a 600 ppm by thoroughly mixing the product in a ratio of 6 oz. product with 10 gallons of water. Use spray equipment which can resist hypochlorite solutions. Always empty and rinse spray equipment with potable water after each use. Thoroughly spray all surfaces until wet, allowing excess sanitizer

to drain. Vacate the area for at least 2 hours. Prior to using equipment, rinse all surfaces treated with 600ppm solution, with a 200ppm solution.

**To Sanitize Milking Equipment**: Prepare sanitizing solution as above immediately prior to use. All surfaces to be sanitized should be properly cleaned before application of chlorine solution. Milking utensils should be submerged in the solution for at least 2 minutes and allowed to drain. Do not rinse equipment with water after treatment. If solutions contains less than 50ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sufficient product to reestablish a 200ppm residual. Sanitizers used in automated systems may be used for general cleaning but may not be reused for sanitizing purposes.

**Sanitizing Porous Food Contact Surfaces**: Prepare a solution of approximately 600ppm by thoroughly mixing 6 Tbsp. (3 oz.) of this product with 2 ½ gallons of water. Clean surfaces in the normal manner. Rinse all surfaces thoroughly with the 600ppm solution, maintaining contact with the sanitizer for t least 2 minutes.

Prepare a 200ppm sanitizing solution by thoroughly mixing 2 Tbsp. (1 oz) of this product with 2 ½ gallon of water. Prior to using equipment, rinse all surfaces with 200ppm available chlorine solution. DO not rinse with water and do not soak equipment overnight.

#### DISINFECTION OF DRINKING WATER (Public / Individual Systems)

**PUBLIC SYSTEMS** – Mix a ration of 1 oz of this product to 100 gallons of water. Begin Feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2ppm and no more than 0.6ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Primary Drinking Water Regulations. Contact your local Health Department for further details.

**INDIVIDUAL SYSTEMS –** DUG WELLS – Upon completion of chasing (lining), wash the interior of the casing (lining) with a 100ppm available chlorine solution using a stiff brush. The solution can be made by thoroughly mixing 1 oz. of this product into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both the pipe sleeves opening and the pipeline. Wash the exterior of the pump cylinder also with the sanitizing solution. Start pump and pump water until strong odor of chlorine in water is noted. Stop pump and wait at least 24 hours. After 24 hours flush well until all traces of chlorine have been removed from the water. Contact your local Health Department for further details.

#### AGRICULTURAL USES

**EGG SHELL SANITIZING** – Thoroughly clean eggs. (Mix approximately 1 Tbsp. (1/2) oz of bleach per gallon of warm water) (Thoroughly mix 2 oz of this product with 10 gallons of warm water) to produce a 200ppm available chlorine solution. The sanitizer temperature should not exceed 130 F. Spray the warm water sanitizer so that eggs are thoroughly wetted. Allow eggs to thoroughly dry before casing or breaking. Do not apply a potable water rinse. The solution should not be reused to sanitize eggs.

**(FOOD) (FRUIT) & VEGETABLE WASHING** – Thoroughly clean all fruits and vegetables in a wash tank. Thoroughly mix 5 oz of this product in 200 gallons of water to make a sanitizing solution of 25ppm available chlorine. After draining the tank, submerge fruit or vegetables for 2 minutes in a second wash tank containing the recirculating sanitizing solution. Spray rinse vegetables with a sanitizing solution prior to packaging. Rinse all fruit with potable water only prior to packaging.

**Farm Premises** Remove all animals, poultry and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, wall and surfaces of barn, pens, stalls, chutes and other facilities occupied or traversed by animals or poultry. Empty all troughs, racks and other feeding watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. To disinfect, saturate all surfaces with a solution of at least 1000ppm available chlorine for a period of 10 minutes. A 1000ppm solution can be made by thoroughly mixing 11 oz of this product with 10 gallons of water. Immerse all halters, ropes and other types of equipment used in handling and restraining animals or poultry as well as the cleaned forks, shovels and scrapers used for removing litter and manure. Ventilate buildings, cars, boats, and other closed areas. Do not house livestock or poultry or employ equipment until chlorine has been dissipated. All treated food racks mangers, troughs automatic feeders and waterer must be rinsed with potable water before reuse.

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

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

Net Weight/Net Contents:

## Lot Number:

**Optional Label Claims:** 

- Bacteria and Algae Control
- Find us on Facebook
- For Swimming Pool and Water Treatment
- For Swimming Pool Chlorination
- For Swimming Pool Water Disinfection
- For a chance to win a \$1000 visit <u>www.champakinc.net</u>. Fill out our brief pool shock survey and enter to win \$1,000. One entry per household. Participate is subject to the Office Rules at champakinc.net.
- kleanmatters.com
- Liquid Chlorinating Product
- Liquid Chlorinator
- Liquid Chlorinating Chemical for Swimming Pools
- Liquid Pool Shock
- Liquid Swimming Pool Chlorine
- Plastic Bottles
- Premium
- Professional Grade
- Pro-Grade
- Pro Grade
- Attention/Notice: Vented Cap, Keep Upright
- (Website name)

## Optional Pictograms:

## [NSF Logo]



Klean Matters pictogram:

