



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

EPA Reg. Number:

55852-6

Date of Issuance:

8/9/21

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Sodium Hypochlorite 7.5%

Name and Address of Registrant (include ZIP Code):

Champion Packaging & Distribution Inc.  
 c/o Delta Analytical Corp.  
 12510 Prosperity Drive – Suite 160  
 Silver Spring, MD 20904

**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 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 under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 55852-6.”

Signature of Approving Official:

Demson Fuller, Product Manager 32  
 Regulatory Management Branch I,  
 Antimicrobials Division (7510P)

Date:

8/9/21

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). 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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 01/05/2021
- Alternate CSF 1 dated 01/05/2021
- Alternate CSF 2 dated 01/05/2021

If you have any questions, please contact Wanda Henson by phone at (703) 308-6345, or via email at [henson.wanda@epa.gov](mailto:henson.wanda@epa.gov)

Sincerely,



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

Enclosure

(Note to reviewer: [Bracketed] language is optional. (*Parenthetical and Italicized*) language is informational.)

## SODIUM HYPOCHLORITE 7.5%

[RESIDENTIAL] [COMMERCIAL] [INSTITUTIONAL USE]

**Active Ingredient:**

Sodium Hypochlorite... 7.5%

Other Ingredients..... 92.5%

**TOTAL** ..... 100.0%

[Available Chlorine 7.13%]

**ACCEPTED**

08/09/2021

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under

EPA Reg. No. 55852-6

**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 INHALED,** Move 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

**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.

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

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

*(Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.)*

Lot Number:

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

EPA Reg. No. 55852-  
EPA Est. No.

Net Contents:

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Harmful 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. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated. Remove and wash contaminated clothing before reuse.

### **ENVIRONMENTAL HAZARDS:**

*(For products packaged in containers less than 5 gallons:)*

This product is toxic to fish and aquatic organisms

*(For products packaged in containers 5 gallons or greater:)*

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.

*[(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.]*

*(If swimming pool/spa directions are used, the following statement is required:)*

In the Directions for Use section, under swimming pools/spas, see specific "Discharge Directions for Commercial and Residential Pool, Spa and Hot Tub uses."

### **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.) may release chlorine gas and other hazardous gases irritating to eyes, lungs and mucous membranes. Prolonged contact with metal may cause pitting or discoloration. Do not use this product on chipped enamel.

*(The following is for use only on marketplace labels that include the directions "Disinfection of Drinking Water Emergency/Public/Individual Systems.")*

#### **DRINKING WATER DISINFECTION**

The following practices help to minimize degradant formation in drinking water disinfection:

- It is recommended to minimize storage time.
- It is recommended that the pH solution be in the range of 11-13.
- It is recommended to minimize sunlight exposure by storing in opaque containers and / or in a covered area. Solutions should be stored at lower temperatures. Every 5°C reduction in storage temperature will reduce degradant formation by a factor of two.
- Dilution significantly reduces degradant formation. For products with higher concentrations, it is recommended to dilute hypochlorite solutions with cool, softened water upon delivery, if practical for the application.

*(OR)*

*(The following may be used on marketplace labels with space issues or separate service bulletins with directions)*

*[For drinking water uses, see additional precautions on [service bulletin, product bulletin, other use label, side [back] panel]]*

*(Reader's Note: Storage and Disposal will come immediately after Directions for Use on marketplace labels)*

*(For Residential use)*

**STORAGE AND DISPOSAL**

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

**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.

**Pesticide Disposal:** Product or rinsates that cannot be used must be diluted with water before disposal in a sanitary sewer.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or place in trash.

*(For Institutional/Commercial use)*

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in a cool dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood area with large quantities of water.

**Pesticide Disposal:**

Product or rinsates that cannot be used must be diluted with water before disposal in a sanitary sewer.

**Container Handling:**

***[Nonrefillable container 5 gallons or less]***

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple Rinse as follows: Fill container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times.

***[Nonrefillable container greater than 5 gallons]***

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple Rinse as follows: Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it 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. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate or place in trash.

(Note to reviewer: [Bracketed] language is optional. (*Parenthetical and Italicized*) language is informational.)

**(General Non-Pesticidal Claims and Information)**

[Please see label on bottles inside this package for additional information.]

[Please see [back] [side] [interior] [panel] (*or*) [container] [for] [additional information] [directions for use] [precautionary statements]

[See technical data sheet for other [uses] [directions]

[New] Higher Concentration Formula (*Note: "New" can only be used for 6 months*)

Whitens Brightens Laundry

Formulated for Foodservice Applications

Removes Stains

Farm- Dairy Use

Restaurant Use

Food Processing Plant Use

This product can be used on hard non-porous surfaces in (*choose one or more areas of use from list below*)

Commercial, institutional, hospital and household premises [including kitchens, bathrooms, nurseries, sick rooms, laundry rooms] eating establishments, pet kennels, veterinary premises, farms, dairies, and food processing plants.

For Household Use

Dilute [[this] product] [Sodium Hypochlorite 7.5%] as stated in directions below.

Exercise care in handling.

Check to make sure bottle is always tightly capped.

Product should be carried and stored in an upright position to avoid spillage.

Not harmful to septic systems.

Find us on Facebook

kleanmatters.com

**(Optional Pesticidal Claims)**

Disinfects

Disinfects and Sanitizes

For disinfecting hard non-porous surfaces

Sanitizes

## **DIRECTIONS FOR USE**

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

NOTE: [This product] [Sodium hypochlorite solutions] degrades with age. Use a chlorine test kit and increase dosage, as necessary, to obtain the required level of available chlorine.

### **SWIMMING POOL WATER DISINFECTION:**

For a new pool or spring start-up, superchlorinate with 86 to 171 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 17 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 86 to 171 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 due to risk of bodily harm.

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 & clean, apply 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.

### **SPAS, HOT TUBS, IMMERSION TANKS, ETC.:**

SPAS/HOT-TUBS - Apply 9 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 7.8. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product. Re-entry to treated spas/hot tubs is prohibited above 5 PPM due to risk of bodily harm.

To maintain the water, apply 9 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 14 oz. of this product per 500 gallons of water to control odor and algae.

During extended periods of disuse, add 5.5 oz. of product daily per 1000 gallons of water to maintain a 3 PPM chlorine concentration.

HUBBARD AND IMMERSION TANKS. Add 9 oz. of this product per 200 gallons of water before patient use to obtain a chlorine residual of 25 PPM, as determined by a suitable test kit. Adjust and maintain the water pH to between 7.2 and 7.6. After each use drain the tank. Add 9 oz. to a bucket of water and circulate this solution through the agitator of the tank for 15 minutes and then rinse out the solution. Clean tank thoroughly and dry with clean cloths.

HYDROTHERAPY TANKS - Add 2 oz. of this product per 1000 gallons of water to obtain a chlorine residual of 1 PPM, as determined by a suitable chlorine test kit. Pool should not be entered until the chlorine residual is below 3 PPM. Adjust and maintain the water pH to between 7.2 and 7.6. Operate pool filter continuously. Drain pool weekly, and clean before refilling.

DISCHARGE DIRECTIONS FOR COMMERCIAL AND RESIDENTIAL POOL, SPA, AND HOT TUB USES - Before draining a treated pool, spa, or hot tub, contact your local sanitary sewer and storm drain authorities and follow their discharge instructions. Do not discharge treated pool or spa water to any location that flows to a gutter, storm drain or natural water body unless discharge is allowed by state and local authorities.

### **SEWAGE & WASTEWATER EFFLUENT TREATMENT:**

The disinfecting 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 disinfecting 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 disinfecting, 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 disinfecting.

1. Mixing: It is imperative that the product and the wastewater are instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the wastewater.
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.

#### **SEWAGE AND WASTEWATER TREATMENT:**

**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 17 to 171 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 3 oz. of this product with 100 gallons of water.

**FILTER BEDS - SLIME CONTROL:** Remove filter from service, drain to a depth of 1 ft. above filter sand, and add 136 oz. of product per 20 sq.ft evenly over the surface. Wait 30 minutes before draining water to a level that is even with the top of the filter. Wait for 4 to 6 hours before completely draining and backwashing filter.

#### **DISINFECTION OF DRINKING WATER (EMERGENCY/PUBLIC/INDIVIDUAL/SYSTEM):**

**PUBLIC SYSTEMS** - Mix a ratio of 2 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 0.2 PPM and no more than 0.6 PPM 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 Interim Primary Drinking Water Regulations. Contact your local Health Department for further details.

**INDIVIDUAL SYSTEMS: DUG WELLS** - Upon completion of the casing (lining), wash the interior of the casing (lining) with a 100 PPM available chlorine solution using a stiff brush. This solution can be made by thoroughly mixing 2 oz. of this product into 10 gallons of water. After covering the well, pour the sanitizing solution into the well through both the pipe sleeve 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. Consult your local Health Department for further details.

**INDIVIDUAL WATER SYSTEMS: DRILLED, DRIVEN & BORED WELLS** - Run pump until water is as free from turbidity as possible. Pour a 100 PPM available chlorine sanitizing solution into the well. This solution can be made by thoroughly mixing 2 oz. of this product into 10 gallons of water. Add 5 to 10 gallons of clean, chlorinated water to the well in order to force the sanitizer into the rock formation. Wash the exterior of the pump cylinder with the sanitizer. Drop pipelines into the well, 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. Deep wells with high water levels may necessitate the use of special methods for introduction of the sanitizer to the well. Consult your local Health Department for further details.

**INDIVIDUAL WATER SYSTEMS: FLOWING ARTESIAN WELLS** - Artesian Wells generally do not require disinfection. If analyses indicate persistent contamination, the well should be disinfected. Consult your local Health Department for further details.

**EMERGENCY DISINFECTION** - When boiling of water for 1 minute is not practical, water can be made potable by using this product. Prior to addition of the sanitizer, remove all suspended material by filtration or by allowing it to settle to the bottom. Decant the clarified contaminated water to a clean container and add 3 drops of this product to 20 gallons of water. Allow the treated water to stand for 30 minutes. Property treated water should have a slight chlorine odor, if not, repeat dosage and allow the water to stand an additional 15 minutes. The treated water can then be made palatable by pouring it between clean containers for several times. This process has not been demonstrated to inactivate Cryptosporidium cysts.

#### **PUBLIC WATER SYSTEMS:**

**RESERVOIRS: ALGAE CONTROL** - Hypo chlorinate streams feeding the reservoir. Suitable feeding points should be selected on each stream at least 50 yards upstream from the points of entry into the reservoir.

**MAINS** - Thoroughly flush section to be sanitized by discharging from hydrants. Permit water flow of at least 2.5 feet per minute to continue under pressure while injecting this product by means of a hypochlorinator. Stop water flow when a chlorine residual test of 50 PPM is obtained at the low-pressure end of the new main section after a 24-hour retention time. When chlorination is completed, the system must be flushed free of all heavily chlorinated water.

**NEW TANKS, BASINS, ETC.** - Remove all physical soil from surfaces. Place 35 oz. of this product for each 5 cubic feet of working capacity (500 PPM available chlorine). Fill to working capacity and allow to stand for at least 4 hours. Drain and flush with potable water and return to service.



**NEW FILTER SAND** - Apply 136 oz. of this product for each 150 to 200 cubic feet of sand. The action of the product dissolving as the water passes through the bed will aid in sanitizing the new sand.

**NEW WELLS** - Flush the casing with a 50 PPM available chlorine solution of water containing 9 oz. of this product for each 100 gallons of water. The solution should be pumped or fed by gravity into the well after thorough mixing with agitation. The well should stand for several hours or overnight under chlorination. It may then be pumped until a representative raw water sample is obtained. Bacterial examination of the water will indicate whether further treatment is necessary.

**EXISTING EQUIPMENT** - Remove equipment from service, thoroughly clean surfaces of all physical soil. Sanitize by placing 35 oz. of this product for each 5 cubic feet capacity (approximately 500 PPM available chlorine). Fill to working capacity and let stand at least 4 hours. Drain and place in service. If the previous treatment is not practical, surfaces may be sprayed with a solution containing 9 oz. of this product for each 5 gallons of water (approximately 1000 PPM available chlorine). After drying, flush with water and return to service.

#### **EMERGENCY DISINFECTION AFTER FLOODS:**

**WELLS** - Thoroughly flush contaminated casing with a 500 PPM available chlorine solution. Prepare this solution by mixing 9 oz. of this product with 10 gallons of water. Backwash the well to increase yield and reduce turbidity, adding sufficient chlorinating solution to the backwash to produce a 10 PPM available chlorine residual, as determined by a chlorine test kit. After the turbidity has been reduced and the casing has been treated, add sufficient chlorinating solution to produce a 50 PPM available chlorine residual. Agitate the well water for several hours and take a representative water sample. Retreat well if water samples are biologically unacceptable.

**RESERVOIRS** - In case of contamination by overflowing streams, establish hypo chlorinating stations upstream of the reservoir. Chlorinate the inlet water until the entire reservoir obtains 0.2 PPM available chlorine residual, as determined by a suitable chlorine test kit. In case of contamination from surface drainage, apply sufficient product directly to the reservoir to obtain a 0.2 PPM available chlorine residual in all parts of the reservoir.

**BASINS, TANKS, FLUMES, ETC.** - Thoroughly clean all equipment, then apply 35 oz. of product per 5 cu. ft. of water to obtain 500 PPM available chlorine, as determined by a suitable test kit. After 24 hours, drain, flush, and return to service. If the previous method is not suitable, spray or flush the equipment with a solution containing 9 oz. of this product for each 5 gallons of water (1000 PPM available chlorine). Allow to stand for 2 to 4 hours, flush and return to service.

**FILTERS** - When the sand filter needs replacement apply 136 oz. of this product for each 150 to 200 cubic feet of sand. When the filter is severely contaminated, additional product should be distributed over the surface at the rate of 100 oz. per 20 sq. ft. Water should stand at a depth of 1 foot above the surface of the filter bed for 4 to 24 hours. When filter beds can be backwashed of mud and silt, apply 136 oz. of this product per each 50-sq. ft., allowing the water to stand at a depth of 1 foot above the filter sand. After 30 minutes, drain water to the level of the filter. After 4 to 6 hours, drain, and proceed with normal backwashing.

**DISTRIBUTION SYSTEM** - Flush repaired or replaced section with water. Establish a hypo chlorinating station and apply sufficient product until a consistent available chlorine residual of at least 10 PPM remains after 24-hour retention time. Use a chlorine test kit.

#### **EMERGENCY DISINFECTION AFTER FIRES:**

**CROSS CONNECTIONS OF EMERGENCY CONNECTIONS** - Hypo chlorination or gravity feed equipment should be set up near the intake of the untreated water supply. Apply sufficient product to give a chlorine residual of at least 0.1 to 0.2 PPM at the point where the untreated supply enters the regular distribution system. Use a chlorine test kit.

#### **EMERGENCY DISINFECTION AFTER DROUGHTS:**

**SUPPLEMENTARY WATER SUPPLIES** - Gravity or mechanical hypochlorite feeders should be set up on a supplementary line to dose the water to a minimum chlorine residual of 0.2 PPM after a 20-minute contact time. Use a chlorine test kit.

**WATER SHIPPED IN BY TANKS, TANK CARS, TRUCKS, ETC.** - Thoroughly clean all containers and equipment. Spray a 500 PPM available chlorine solution and rinse with potable water after 5 minutes. This solution is made by mixing 9 oz. of this product for each 10 gallons of water. During the filling of the containers, dose with sufficient amounts of this product to provide at least a 0.2 PPM chlorine residual. Use a chlorine test kit.

#### **EMERGENCY DISINFECTION AFTER MAIN BREAKS:**

**MAINS** - Before assembly of the repaired section, flush out mud and soil. Permit a water flow of at least 2.5 feet per minute to continue under pressure while injecting this product by means of a hypochlorinator. Stop water flow when a chlorine residual of test of 50 PPM is obtained at the low-pressure end of the new main section after a 24-hour retention time. When chlorination is completed, the system must be flushed free of all heavily chlorinated water.

#### **SANITIZATION OF NONPOROUS FOOD CONTACT SURFACES:**

**RINSE METHOD** - A solution of 100 PPM available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 PPM available chlorine must be tested and adjusted periodically to ensure that the available chlorine does not drop below 50 PPM. Prepare a 100 PPM sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 3.5 oz. of this product with 10 gallons of water to provide approximately 200 PPM 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 50 PPM 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 reused for sanitizing purposes.

**IMMERSION METHOD** - A solution of 100 PPM available chlorine may be used in the sanitizing solution if chlorine test kit is available. Solutions containing an initial concentration of 100 PPM available chlorine must be tested and adjusted periodically to ensure that the available chlorine does not drop below 50 PPM. Prepare a 100 PPM sanitizing solution by thoroughly mixing 2 oz. of this product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 3.5 oz. of this product with 10 gallons of water to provide approximately 200 PPM available chlorine by weight.

Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. If solution contains less than 50 PPM 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. Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

**FLOW/PRESSURE METHOD** - Disassemble equipment and thoroughly clean after use. Assemble equipment in operating position prior to 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 3.5 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is completely filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 2 minutes to ensure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50- PPM available chlorine.

**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 3.5 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is completely filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 10 minutes to ensure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 PPM available chlorine.

**SPRAY METHOD** - Preclean all surfaces after use. Use a 200 PPM available chlorine solution to control bacteria, mold or fungi and a 600 PPM solution to control bacteriophage. Prepare a 200 PPM sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 3.5 oz. product with 10 gallons of water. Prepare a 600 PPM solution by thoroughly mixing the product in a ratio of 10.5 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 use. Thoroughly spray all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours. Prior to using equipment, rinse all surfaces treated with 600 PPM solution with a 200 PPM solution.

#### **SANITIZING OF POROUS FOOD CONTACT SURFACES:**

**RINSE METHOD** - Prepare a sanitizing solution by thoroughly mixing 10.5 oz. of this product with 10 gallons of water to provide 600 PPM available chlorine by weight. Clean 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. Prepare a 200 PPM sanitizing solution by thoroughly mixing 3.5 oz. of this product with 10 gallons of water and rinse all surfaces with this 200 PPM solution. Do not rinse with water and do not soak equipment overnight.

**IMMERSION METHOD** - Prepare a sanitizing solution by thoroughly mixing in an immersion tank, 10.5 oz. of this product with 10 gallons of water to provide 600 PPM available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution, maintaining contact for at least 2 minutes and allow the sanitizer to drain. Following this, prepare a 200 PPM sanitizing solution by thoroughly mixing 3.5 oz. of this product with 10 gallons of water and rinse all surfaces with this 200 PPM solution. Do not rinse with water and do not soak equipment overnight.

**SPRAY METHOD** - Preclean all surfaces after use. Prepare a 600 PPM available chlorine sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 10.5 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 use. Thoroughly spray all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours. Prior to using equipment, rinse all surfaces with a 200 PPM available chlorine solution. Prepare a 200 PPM sanitizing solution by thoroughly mixing 3.5 oz. of this product with 10 gallons of water.

#### **WAREWASHING:**

FOR SANITIZING TABLEWARE IN LOW TEMPERATURE DISHWASHING MACHINE -Dispense this product into final rinse water at 100 PPM available chlorine. Do not allow concentration to fall below 50 PPM. Air dry. Dispenser should be set to deliver 6.5 cc of sanitizing solution per gallon of water to give 100 PPM of available chlorine. Only a qualified service representative should set or adjust dispenser on the machine.

#### **SANITIZATION OF NONPOROUS NON-FOOD CONTACT SURFACES:**

**RINSE METHOD** - Prepare a sanitizing solution by thoroughly mixing 3.5 oz. of this product with 10 gallons of water to provide approximately 200 PPM 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. Do not rinse equipment with water after treatment and do not soak equipment overnight.

**IMMERSION METHOD** - Prepare a sanitizing solution by thoroughly mixing in an immersion tank, 3.5 oz. of this product with 10 gallons of water to provide approximately 200 PPM available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Do not rinse equipment with water after treatment.

**SPRAY METHOD** - Preclean all surfaces after use. Prepare a 200 PPM available chlorine sanitizing solution of sufficient size by thoroughly mixing the product in a ratio of 3.5 oz. product with 10 gallons of water. Use spray equipment which can resist hypochlorite solutions. Prior to using equipment, thoroughly spray all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours.

#### **DISINFECTION OF NONPOROUS NON-FOOD CONTACT SURFACES:**

**RINSE METHOD** - Prepare a disinfecting solution by thoroughly mixing 10.5 oz. of this product with 10 gallons of water to provide approximately 600 PPM available chlorine by weight. Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the disinfecting solution, maintaining contact with the solution for at least 10 minutes. Do not rinse equipment with water after treatment and do not soak equipment overnight.

**IMMERSION METHOD** - Prepare a disinfecting solution by thoroughly mixing in an immersion tank, 10.5 oz. of this product with 10 gallons of water to provide approximately 600 PPM available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the disinfecting solution for at least 10 minutes and allow the sanitizer to drain. Do not rinse equipment with water after treatment.

#### **SANITIZATION OF POROUS NON-FOOD CONTACT SURFACES:**

**RINSE METHOD** - Prepare a sanitizing solution by thoroughly mixing 10.5 oz. of this product with 10 gallons of water to provide approximately 600 PPM available chlorine by weight. Clean 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.

**IMMERSION METHOD** - Prepare a sanitizing solution by thoroughly mixing in an immersion tank, 10.5 oz. of this product with 10 gallons of water to provide approximately 600 PPM available chlorine by weight. Clean equipment in the normal manner. Prior to use, immerse equipment in the sanitizing solution for at least 2 minutes and allow the sanitizer to drain. Do not rinse equipment with water after treatment.

**SPRAY METHOD** - After cleaning, sanitize non-food contact surfaces with 600 PPM available chlorine by thoroughly mixing the product in a ratio of 10.5 oz. of this product with 10 gallons of water. Use spray equipment which can resist hypochlorite solutions. Always empty and rinse spray equipment with potable water after use. Prior to using equipment, thoroughly spray all surfaces until wet, allowing excess sanitizer to drain. Vacate area for at least 2 hours.

#### ***[NON-PESTICIDAL LAUNDRY DIRECTIONS]***

**LAUNDRY:** Use to bleach white and colorfast Acrylics, Cotton, Nylon, Polyester, Rayon (test to be sure). Do not use on Acetate, Leather, Silk, Spandex or Wool.

**BLEACH TEST:** Before using, mix one tablespoon of bleach with ½ cup of water in a glass, rubber, porcelain, or plastic container and test a small piece of fabric in a place that doesn't show. No color change means the article can be bleached safely

**LAUNDRY:** Before adding clothes, mix ¾ cup of bleach with water in top-loading 16 gallon machines or mix 1/3 cup bleach with water in front-loading 8 gallon machines. Add clothes. Wash and rinse with usual cycles. If clothes are in machine the addition of bleach can cause damage.

**REMOVE STAINS:** Mix ¼ cup of bleach with a gallon of water. Soak stained area for 5 minutes to remove grass, ink, coffee, tea, scorch, fruit, etc. Rinse thoroughly.

(Note to reviewer: [Bracketed] language is optional. (*Parenthetical and Italicized*) language is informational.)

**LAUNDERING:** To bleach white and colorfast cotton, linen, nylon, Dacron, Orion, polyester, Dynel and rayon in washing machine: 3/4 cup of this product per load for conventional washing machine; 1/2 cup for front load automatic. Add to pre-soak, wash water or first rinse. If clothes are in machine, dilute product in 1 quart water before adding.

**To Whiten Nylon and Other Synthetics** that have turned yellow or gray. 1 tablespoon of this product per gallon water. Soak clean fabric in solution for 15 to 20 minutes. Rinse well. Repeat if necessary.

**To Remove Stains.** Berry, wine, coffee, tea, ink, grass, dye, medicine stains, scorch and mildew. Make solutions of 2 tablespoons of this product to each quart water. Immerse fabric for 5 to 10 minutes. Rinse well in clear water. Repeat if necessary.

**Today's Permanent Press Fabrics are Bleachable** and need this product to get out stains and help prevent dirt build up. Wash with regular laundry as directed: Top-load automatics – 3/4 cup per load. Wringer-type washers – 3/4 cup per load. Front-load automatic 1/2 cup per load. Use this product with any good laundry soap or detergent. If your washer has an automatic bleach dispenser, follow washer directions. If not, add this product to wash water before laundry is put in. If laundry is put in before wash water then dilute this product in quart of water and add after machine has started agitating and fabrics are thoroughly wet.

## **LAUNDRY SANITIZERS:**

### **Household Laundry Sanitizers**

**IN SOAKING SUDS** - Thoroughly mix 3.5 oz. of this product to 10 gallons of wash water to provide 200 PPM available chlorine. Wait 5 minutes, and then add soap or detergent. Immerse laundry for at least 11 minutes prior to starting the wash/rinse cycle.

**IN WASHING SUDS** - Thoroughly mix 3.5 oz. of this product to 10 gallons of wash water containing clothes to provide 200 PPM available chlorine. Wait 5 minutes, then add soap or detergent and start the wash/rinse cycle.

### **Commercial Laundry Sanitizes**

Wet fabrics or clothes should be spun dry prior to sanitation. Thoroughly mix 3.5 oz. of this product with 10 gallons of water to yield 200 PPM available chlorine. Promptly after mixing the sanitizer, add the solution into the Prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of available chlorine, if solution has been allowed to stand. Add more of this product if the available chlorine level has dropped below 200 PPM.

## **OTHER [MISCELLANEOUS] USES:**

**POST-HARVEST PROTECTION** - Potatoes can be sanitized after cleaning and prior to storage by spraying with a sanitizing solution at a level of 1 gallon of sanitizing solution per ton of potatoes. Thoroughly mix 2 oz. of this product to 2 gallons of water to obtain 500 PPM available chlorine.

**LEAFCUTTING BEE CELLS AND BEE BOARDS** - Disinfect leaf cutting bee cells and bee boards by immersion in a solution containing 1 PPM available chlorine for 3 minutes. Allow cells to drain for 2 minutes and dry for 4 to 5 hours or until no chlorine odor can be detected. This solution is made by thoroughly mixing 2 tsp. of this product to 100 gallons of water. The bee domicile is disinfected by spraying with a 0.1 PPM solution until all surfaces are thoroughly wet. Allow the domicile to dry until all chlorine odors have dissipated. (Not for use in California.)

**FOOD EGG SANITIZATION** - Thoroughly clean all eggs. Thoroughly mix 3.5 oz. of this product with 10 gallons of warm water to produce a 200 PPM available chlorine solution. The sanitizer temperature should not exceed 130 degrees F. Spray the warm sanitizer so that the eggs are thoroughly wetted. Allow the eggs to thoroughly dry before casing or breaking. Do not apply a potable water rinse. The solution should not be re-used to sanitize eggs.

**FRUIT & VEGETABLE WASHING** - Thoroughly clean all fruits and vegetables in a wash tank. Thoroughly mix 9 oz. of this product in 200 gallons of water to make a sanitizing solution of 25 PPM 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 the sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging.

## **SANITIZATION OF DIALYSIS MACHINES:**

Flush equipment thoroughly with water prior to using this product. Thoroughly mix 10.5 oz. of this product to 10 gallons of water to obtain at least 600 PPM available chlorine. Immediately use this product in the hemodialysate system allowing for a minimum contact time of 15 minutes at 20 degrees C. Drain system of the sanitizing solution and thoroughly rinse with water. Discard and DO NOT reuse the spent sanitizer. Rinsate must be monitored with a suitable test kit to ensure that no available chlorine remains in the system.

This product is recommended for decontaminating single and multi-patient hemodialysate systems. This product has been shown to be an effective disinfectant (virucide, fungicide, bactericide, pseudomonicide) when tested by AOAC and EPA test methods. This product may not totally eliminate all vegetative microorganisms in hemodialysate delivery systems due to their construction and/or assembly, but can be relied upon to reduce the number of microorganisms to acceptable levels when used as directed. This product should be used in a disinfectant program that includes bacteriological monitoring of the hemodialysate delivery system. This product is NOT recommended for use in hemodialysate or reverse osmosis (RO) membranes.

(Note to reviewer: [Bracketed] language is optional. (*Parenthetical and Italicized*) language is informational.)

Consult the guidelines for hemodialysate systems that are available from the Hepatitis Laboratories, CDC, Phoenix, AR 85021.

#### **ARTIFICIAL SAND BEACHES:**

To sanitize the sand, spray a 500 PPM available chlorine solution containing 9 oz. of this product per 10 gal. of water at frequent intervals. Small areas can be sprinkled with a watering can. [Not for Use in California.]

#### **COOLING TOWER/EVAPORATIVE CONDENSER WATER:**

**SLUG FEED METHOD** • Initial Dose: When system is noticeably fouled, apply 86 to 171 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 PPM available chlorine. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 17 oz. of this product per 10,000 gallons of water in the system daily, or as needed to maintain control and keep the chlorine residual at 1 PPM. Badly fouled systems must be cleaned before treatment is begun.

**INTERMITTENT FEED METHOD** - Initial Dose: When system is noticeably fouled, apply 86 to 171 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 PPM available chlorine. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by lowdown.

Subsequent Dose: When microbial control is evident, add 17 oz. of this product per 10,000 gallons of water in the system to obtain a 1 PPM residual. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by lowdown. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD** - Initial Dose: When system is noticeably fouled, apply 86 to 171 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 PPM available chlorine.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2 oz. of this product per 1,000 gallons of water lost by lowdown to maintain a 1 PPM residual. Badly fouled systems must be cleaned before treatment is begun.

#### **FARM PREMISES:**

Remove all animals, poultry, and feed from premises, vehicles, and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities occupied or traversed by animals or poultry. Empty all troughs, racks and other feeding and 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-1000 PPM available chlorine for a period of 10 minutes. A 1000 PPM solution can be made by thoroughly mixing 17 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 spaces. Do not house livestock or poultry or employ equipment until chlorine has been dissipated. All treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers must be rinsed with potable water before reuse.

#### **PULP AND PAPER MILL PROCESS WATER SYSTEMS:**

**SLUG FEED METHOD** - Initial Dose: When system is noticeably fouled, apply 86 to 171 oz. of this product per 10,000 gallons of water in the system to obtain from 5 to 10 PPM available chlorine. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 17 oz. of this product per 10,000 gallons of water in the system daily, or as needed to maintain control and keep the chlorine residual at 1 PPM. Badly fouled systems must be cleaned before treatment is begun.

**INTERMITTENT FEED METHOD** - Initial Dose: When system is noticeably fouled, apply 86 to 171 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 PPM available chlorine. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by lowdown.

Subsequent Dose: When microbial control is evident, add 17 oz. of this product per 10,000 gallons of water in the system to obtain a 1 PPM residual. Apply half (or 1/3, 1/4, or 1/5) of this initial dose when half (or 1/3, 1/4, or 1/5) of the water in the system has been lost by lowdown. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD** - Initial Dose: When system is noticeably fouled, apply 86 to 171 oz. of this product per 10,000 gallons of water in the system to obtain 5 to 10 PPM available chlorine.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2 oz. of this product per 1,000 gallons of water lost by lowdown to maintain a 1 PPM residual. Badly fouled systems must be cleaned before treatment is begun.

#### **AQUACULTURAL USES:**

**FISH PONDS** - Remove fish from ponds prior to treatment. Thoroughly mix 171 oz. of this product to 10,000 gallons of water to obtain 10 PPM available chlorine. Add more product to the water if the available chlorine level is below 1 PPM after 5 minutes. Return fish to pond after the available chlorine level reaches zero.

(Note to reviewer: [Bracketed] language is optional. (*Parenthetical and Italicized*) language is informational.)

**FISH POND EQUIPMENT** - Thoroughly clean all equipment prior to treatment. Thoroughly mix 3.5 oz. of this product to 10 gallons of water to obtain 200 PPM available chlorine. Porous equipment should soak for one hour.

**MAINE LOBSTER PONDS** - Remove lobsters, seaweed, etc. from ponds prior to treatment. Drain the pond. Thoroughly mix 10,240 oz. of this product to 10,000 gallons of water to obtain at least 600 PPM available chlorine. Apply so that all barrows, gates, rocks and dams are treated with product. Permit high tide to fill the pond and then close the gates. Allow water to stand for 2 to 3 days until the available chlorine level reaches zero. Open and allow 2 tidal cycles to flush the pond before returning lobsters to the pond.

**CONDITIONING LIVE OYSTERS** - Thoroughly mix 9 oz. of this product to 10,000 gallons of water at 50 to 70 degrees F to obtain 0.5 PPM available chlorine. Expose Oysters to this solution for at least 15 minutes, monitoring the available chlorine level so that it does not fall below 0.05 PPM. Repeat entire process if the available chlorine level drops below 0.05 PPM or the temperature falls below 50 degrees F. (Not for use In California.)

**CONTROL OF SCAVENGERS IN FISH HATCHERY PONDS** - Prepare a solution containing 200 PPM of available chlorine by mixing 3.5 oz. of product with 10 gallons of water. Pour into drained pond potholes. Repeat if necessary. Do not put desirable fish back into refilled ponds until chlorine residual has dropped to 0 PPM, as determined by a test kit.

**ASPHALT OR SEALED WOOD ROOFS AND SIDINGS:**

To control fungus and mildew, first remove all physical soil by brushing and hosing with clean water, and apply a 5000 PPM available chlorine solution. Mix 9 oz. of this product per gallon of water and brush or spray roof or siding. After 30 minutes, rinse by hosing with clean water. [Not for use in California.]

**BOAT BOTTOMS:**

To control slime on boat bottoms, sling a plastic tarp under boat, retaining enough water to cover the fouled bottom area, but not allowing water to enter enclosed area. This envelope should contain approximately 500 gallons of water for a 14-foot boat. Add 30 oz. of this product to this water to obtain a 35 PPM available chlorine concentration. Leave immersed for 8 to 12 hours. Repeat if necessary. Do not discharge the solution until the chlorine level has dropped to 0 PPM, as determined by a swimming pool test kit. [Not for Use in California]

(Note to reviewer: [Bracketed] language is optional. *(Parenthetical and Italicized)* language is informational.)

**(Note to Reviewer: The following are alternate proportional use dilution directions for smaller quantities. These dilutions are equivalent to the use dilutions on EPA's Sodium Hypochlorite Standard and Directions for Use above)**

*(Optional Dilution Table)*

TABLE OF PROPORTIONS AVAILABLE CHLORINE  
 200 PPM – 3.5 oz in 10 gal. water, 1 oz. in 2 ½ gal water  
 600 PPM – 10.5 oz in 10 gal. water, 2.5 oz in 2 ½ gal

[1/3 oz. of this product in 1 gallon of water is equivalent to approximately 200 parts per million (PPM) available chlorine.]  
 [Use a chlorine test kit to determine exact available chlorine concentration and adjust as necessary to obtain specified PPM.]

*(Optional Dilution Table)*

**DILUTION TABLE**

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

***(Alternate dilution directions table. Use one or more. Location on marketplace label optional.)***

	Amount Bleach [Product]	Amount Water	Instructions
<b>[FOR] SANITIZING [SANITIZATION]</b>			
<b>HARD NONPOROUS NONFOOD SURFACES</b> [Including [Bathtubs] [Showers] [floors] [walls]]	1 Tbsp. (200 PPM)	1 Gallon	[Rinse Method] Preclean surfaces. Apply bleach solution for at least two minutes. Drain and let air dry. Do not rinse, do not soak overnight.
<b>HARD NONPOROUS NONFOOD SURFACES</b> [Including [Refrigerators] [Freezers]]	1 Tbsp. (200 PPM)	1 Gallon	[Rinse Method] Preclean surfaces. Apply bleach solution for at least two minutes. Drain and let air dry. Do not rinse, do not soak overnight.
<b>HARD NONPOROUS FOOD CONTACT SURFACES</b> [Including [Dishes] [Glassware] [Utensils]]	0.5 Tbsp. (100 PPM)	1 Gallon	[Immersion Method] After washing, soak for at least two minutes in bleach solution. Drain and let air dry.
Eating Establishments	1 oz. (200 PPM)	2½ Gallons	Preclean surfaces. Sanitize in a solution of 1 ounce to each 2 ½ gallons of water.
	2.5 oz. (600 PPM)	2½ Gallons	Preclean surfaces. Sanitize in a solution 2.5 ounces to each 2 ½ gallons water.
<b>[FOR] DISINFECTING [DISINFECTION]</b>			
<b>HARD NONPOROUS NONFOOD SURFACES</b> [Including Floors and Walls]	2 Tbsp (600 PPM)	1 Gallon	[Rinse Method] Pre-clean surfaces and rinse. Mix product with water. Spray, rinse or wipe surface with bleach solution. Let stand for ten minutes. Let air dry.
<b>HARD NONPOROUS NONFOOD SURFACES</b> [Mops, Brushes, Brooms & Rugs]	2 Tbsp (600 PPM)	1 Gallon	[Immersion Method] Wash with detergent, apply bleach solution, soak for at least ten minutes. Rinse well.
<b>FOR OTHER [MISCELLANEOUS] USES</b>			
Food Egg Sanitization	1 Tbsp. (200 PPM)	1 Gallon	Thoroughly clean eggs. Spray with 130 ° F max bleach solution until completely wet, let air dry before casing or breaking. Once solution is used it must not be reused for this purpose.
Fruits & Vegetables Washing	1 Tbsp. (25 PPM)	4 Gallons	Thoroughly clean all fruits and vegetables. Soak in circulating bleach solution for two minutes. Spray with bleach solution before packing; use potable water to rinse fruit before packaging. Rinse is to occur only immediately prior to packaging.

(Note to reviewer: [Bracketed] language is optional. (*Parenthetical and Italicized*) language is informational.)

**(Non-pesticidal use directions)**

<b>[FOR] DEODORIZING HARD NONPOROUS NONFOOD SURFACES</b>			
Garbage Cans	¾ cup	1 Gallon	After washing and rinsing, brush inside with bleach solution. Empty and let drain.
Drains	1 Cup	-----	Pour into drain. Flush with hot water.
<b>FOR BLEACHING &amp; WHITENING</b>			
Wooden Surfaces	½ cup	1 Gallon	Apply for five minutes, rinse.
<b>FOR MOLD, MILDEW &amp; STAIN REMOVAL</b>			
All Surfaces	½ cup	1 Gallon	Add bleach to detergent solution, apply, rinse.

**(Optional Graphics:)**

Pictograms:  
Klean Matters pictogram:



HE Washers pictogram:



Company Logo:



Arocep Logo

