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

NOTICE OF PESTICIDE:
_X_ Registration
___ Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	**Date of Issuance:**
68338-8	5/26/15

Term of Issuance:
Unconditional

Name of Pesticide Product:
LAVO 9

Name and Address of Registrant (include ZIP Code):

Georgia Anastasiou
Agent for Lavo, Inc.
c/o Lewis & Harrison
122 C Street, NW, suite 505
Washington, DC 20001

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.

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.

Signature of Approving Official:

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

Date:
5/26/15

EPA Form 8570-6

2. Make the following label changes before you release the product for shipment:

    - Revise the EPA Registration Number to read, "EPA Reg. No. 68338-8."

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 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.

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 12/17/2014

If you have any questions, please contact Srinivas Gowda at (703) 308-6354 or gowda.srinivas@epa.gov.

Sincerely,

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

Enclosure: Stamped Label

LAVO 9

Bleach

Clean laundry & household, Brighten whites, Removes stains

Household use, Commercial Use, Institutional Use,

Sanitize porous and nonporous food contact surfaces

Swimming pool, Farm premises, Agriculture uses,

Asphalt or wood roofs siding, Boat bottoms & Sand

ACCEPTED

05/26/2015

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 68338-8

Active ingredient:

Sodium Hypochlorite…….. 9.2%

Other ingredients..... 90.8%

Total…….. .100.0%

Contains no phosphorus

(Yields 8.75% available chlorine)

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 on Skin or Clothing: • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for treatment advice If Swallowed: • Call a poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by the poison control center or a doctor • Do not give any thing 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. You may also contact 1-800- 222-1222 for emergency treatment information. Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage

See back panel for [first] aid and [additional] precautionary statements

Net contents: 32 fl oz [1Qts], 48 fl oz [1,52L], 64 fl oz [2Qts], 60 fl oz [1,89L], 121 fl oz [3.87L] , 115 fl oz [3,6L], 128 fl oz [4L] , 168 fl oz [5L]

PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.

DANGER: CORROSIVE Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear safety glasses or goggles and rubber gloves when handling this product. Wash 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.

PHYSICAL or CHEMICAL HAZARDS: Strong oxidizing agent. Always flush drains before and after use. Mix only with water according to label directions. Mixing this product with chemicals [e.g. ammonia, acids, detergents, toilet bowl cleaner]-or-organic matter [e.g. urine, feces] will release chlorine gas which is irritating to eyes, lungs and mucus membranes. Do not use on aluminum-or-silver.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Household/Residential uses STORAGE AND DISPOSAL

STORAGE: Store away from children. Reclose cap tightly after each use. Keep the well closed bottle in upright position. Store in a cool, dry area, protected from direct sunlight and heat to avoid deterioration. PRODUCT DISPOSAL: Product or rinsates that cannot be used diluted with water before disposal in a sanitary sewer. CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Recycle empty container or discard in trash

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Professional/Institutional uses STORAGE AND DISPOSAL:

Do not contaminate food or feed by storage of this product. STORAGE: Store away from children. Reclose cap tightly after each use. Keep the well closed bottle in upright position. Store in a cool, dry area, protected from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water before discarding this container in trash.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use instructions, contact your State Pesticide or Environmental Control Agency; or the Hazardous Waste Representative at the EPA Regional Office for guidance.

Non-refillable container – equal to or less than 5 gallons

CONTAINER HANDING:. Non-refillable container. Do not reuse or refill this container. 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 or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration

Non-refillable container – larger than 5 gallons

CONTAINER HANDING Non-refillable container. Do not reuse or refill this container.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 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration

(Refillable container)

CONTAINER HANDLING: Refillable container. Refill container with this product only. Do not rinse this container for any other purpose. Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container prior to final disposal; Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Bold italized text is information for the reader and is not part of the label [Bracketed information is optional text]

Icon optional

-and/or- [Recycle] Where facilities exist -or-

For all washers: Standard & HE

Company information

Questions? Comments? questions@lavo.ca 1-800-361-6898
Mfd. Lavo Inc 11 900 bld Saint-Jean-Baptiste, Montréal, QC, Canada H1C 2J3
EPA Reg No:
EPA Est. No:

Made in Canada

UPC Code

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labelling

[To open, push cap down and turn in the counter-clockwise direction.]
[Always follow manufacturer's instructions].
[Where to use –or- where can I use this product]
[Always refer to manufacturer care instructions before using on equipment –or- devices.]

Laundry Use:
-or- For laundry -or- For bleachable fabrics:
[If uncertain about the dye colorfastness, test fabric by applying 1 drop of a solution made of 2 teaspoons of this product plus 1/3 cup water to hidden part of seam. Be sure to check all colors. After 1 minute, rinse and blot dry. No color change the article can be bleached.]
[Avoid bleaching wool, silk, mohair, spandex and non fast colors.]

Whitening -and/or- stain removal:
1. Sort laundry by color. 2. Add detergent as usual. 3. Add Bleach to wash water before adding laundry. Standard machine: add ¼ cup of bleach to wash water -or- ½ cup of bleach for extra large washer. For front loading machines: Add 1/8 cup into the machine dispenser. [For best results: Use bleach dispenser, if available. Dilute ¼ cup of Bleach in a 1 quart of water. Add to wash 5 minutes after the wash cycle has begun]. Do not pour directly on fabrics.
[For heavily soiled loads, add slightly more –or- up to 1 cup of this product. [Bleach.]
Stain removal: Most stains will come out in a regular wash with soap -or- detergent and bleach. For stubborn stains: soak item for 5 minutes in a solution of ¼ cup bleach per gallon of hot water. Use cool water for protein-based stains such as eggs, milk, blood, followed by regular washing with bleach and detergent.

Diaper and baby clothing wash: to pre-soak diapers, use 2 tbsp bleach to 1 gallons water.

Laundry sanitizers: To sanitize laundry: Add ½ cup of this product to a standard or HE washer following the laundry use directions.
-or-
To kill bacteria –or- In your laundry: Add ½ cup of this product to a standard washer following the laundry use directions.
To sanitize laundry: Prepare a solution by thoroughly mixing 5 oz of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight. Wait 5 minutes, then add soap-or-detergent, immerse laundry for at least 11 minutes prior starting wash/rinse cycle.

Commercial laundry Sanitizers: Wet fabrics -or- clothes should be spun dry prior sanitization. Promptly after preparing a sanitizer solution of 200 ppm available chlorine, add the solution into the prewash prior to washing fabrics/clothes in the regular wash cycle with a good detergent. Test the level of availlable chlorine. If solution has been allowed to stand, add more of this product if the available chlorine level has dropped below 200ppm.

Disinfection Directions for Use:
[Do not use this product on stainless steel, aluminium, silver or chipped enamel]
Do not use this product full strength for cleaning surfaces. Always dilute strictly in accordance with the directions. For prolonged use, wear gloves.
Use sites: This product can be used in hard non porous surfaces in commercial, institutional, hospital and household premises [including kitchens, bathrooms, nurseries, sick room], eating establishment, pet kennels and veterinary premises.

[For] disinfecting:
To disinfect hard nonporous surfaces -or- *[insert item from list 5*]
Use ½ cup of this product per gallon of water. [Pre]Wash surface –or-, then apply disinfecting –or- bleach solution. This preparation can be sprayed. Prepare solution daily. Let stand 5 minutes. Rinse [thoroughly –or- well] and air dry
-or-
1.[Pre]Wash surface –or- item
2.Mix ½ cup this product –or- bleach per 1 gallon water
3.Apply, let stand 5 min
4.Rinse [and] air dry.
-or-
Hard, non porous surfaces
To disinfect hard nonporous surfaces: [First] Clean surface by removing gross filth [loose dirt, debris, food materials, etc..]. Use ½ cup of this product in 1 gallon –or- Prepare a 2700 ppm available chlorine solution. [Use chlorine test strips to determine exact concentration chlorine available concentration]. Thoroughly wet surface with the solution and allow it to remain on the surface for 5 minutes. Rinse with clean water and dry.

Kitchen and Bathroom: Clean, disinfect and deodorize sinks, countertops, bathtubs, showers, floors, vinyl and tile.
Wash, wipe-or-rinse items with water. Apply disinfecting solution of ½ cup of this product per gallon of water. Let stand 5 minutes before rinsing and rinse thoroughly and air dry.

[For] Toilet bowl -and/or- bidets: Flush toilet-and/or-bidet. Pour ¾ of this product into bowl. Brush entire bowl including rim with a scrub brush-or-mop. Let stand 10 minutes before flushing again.
-or-
Toilet bowls: Flush toilet to remove gross filth. Add ¾ cup of bleach to the bowl and brush surfaces thoroughly, making sure to get under the rim. Let stand 10 minutes before flushing again.

[For] Petty seats -or- trainers: Empty seat. Fill with ½ cup of this product per gallon of water. Let stand 5 minutes. Rinse and air dry.

[For] Litter boxes: Remove litter. Wash box in soap and water. Fill with ½ cup of this product per gallon of water. Let stand 5 minutes. Rinse and air dry.

For disinfecting: Floors, walks, vinyl, glazed tiles, bath rubs, showers, sinks.
Use ½ cup of this product per gallon of water. [Pre-] wash surface-or-item, and then apply disinfecting-or-bleach solution. This preparation can be sprayed. Prepare solution daily. Let stand 5 minutes. Rinse [thoroughly-or-well] and air dry.

Disinfecting Baby Furniture and Hard non porous toys –or- Hard non porous kid's toys.
Painted and enameled cribs, changing tables and high chairs, plastic matrices covers and bumpers, and washable colorfast [hard] non porous toys are disinfected quickly and easily with this product. This product leaves baby's room clean and fresh smelling. Disinfect with a solution of ½ cup bleach in 1 gallon of water. Let stand 5 minutes. Rinse and allow to [air] dry -or- For washable colorfast hard, non porous toys, disinfect with a solution of ¾ cup bleach in 1 gallon of water. Let stand 5 minutes. Rinse and allow to [air] dry.

Clean [&] [disinfect] flowers pots and planters
Cleaning flower containers helps prevent the transfer of molds and diseases from old plants to new ones. Wash and [thoroughly] rinse pots and planters. Soak 5 minutes in a solution of ½ cup of this product to 1 gallon of water, then rinse.

Eliminating Pet Areas –and/or- nonporous Toys –and/or- Accessories
This product disinfects your pet areas –and/or- non porous toys –and/or- accessories. Disinfect with a solution of ½ cup of this product per gallon of water. [Pre] Wash surface, soak or wipe with bleach solution. Allow solution to contact surface] for at least 5 minutes. Rinse well and air dry.

Spray applications:
This product can be diluted and spray applied for concentration broad spectrum disinfection of hard, non-porous surface in (*items insert from list 7)*

Hard nonporous surfaces:
To disinfect hard nonporous surfaces, First clean surface by removing gross filth [loose dirt, debris, food materials, ..]. Make solution by adding ½ cup bleach + 1 gallon of water [2700 ppm chlorine available]. Spray surface using a coarse spray with the bleach solution until thoroughly wet. Allow it to remain on the surface for 5 minutes. Rinse and dry. To ensure bleach stability, prepare daily.

Sanitization Directions for use

[For] Sanitizing
Food contact surfaces
-or-
To sanitize (*insert items from list 6 Food contact sanitization)*

Use approximately 2 teaspoons of this product per gallon of water to prepare a 200 ppm available chlorine solution; use chlorine test strips to determine exact available concentration –or- verify the appropriate available concentration to achieve. Wash, wipe or rinse items with detergent and water then apply sanitizing –or- bleach solution. Let stand 2 minutes. Air dry.

Wooden cutting board: Prepare a sanitizer solution by thoroughly mixing 2 tablespoons of this product per gallon of water to provide approximately 600 ppm available chlorine by weight. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Wash, wipe-or-rinse items with detergent and water. Then apply sanitizing -or- bleach solution. Let stand 2 minutes. Rinse all surfaces thoroughly with a solution of 2 teaspoons per gallons of this product. (200 ppm) Do not rinse and do not soak equipment overnight after sanitizing.

Sanitize and remove stains from kitchenware: Tough stains can be removed from china, dinnerware, dishes, plastic and glassware with this product. Plus, this product sanitize as it cleans. Wash items thoroughly as you normally would. Then soak for 2 minutes in a solution of 2 teaspoons of this product to each gallon of water. Then drain and air dry.

Sanitize Pet's food and Water bowls-or-Pet bowl; To sanitize pet food containers, wash bowls with detergent and rinse. Fill bowls with a solution of 2 teaspoons of this product-or-bleach per gallon of water. Let stand 2 minutes, drain and air dry.

Sanitize Wooden cutting boards -or- cutting boards: Wash, wipe-or-rinse items with detergent and water. Apply sanitizing solution of 2 tablespoons of this product-or-bleach per gallon of water. Let stand 2 minutes. Rinse all surfaces with a solution of 2 tsp of this product-or-bleach per gallon of water. Do not rinse-or-soak equipment overnight.

Sanitizing Baby items: Baby bottles, nipples and dishes can be easily sanitized using this product. Soak washed items for 2 minutes in a solution of 2 teaspoons of this product per gallon of water. Pour solution through nipples, then drain dry.

Sanitizing Kitchen cloths: This product can help you deodorize and sanitize dishcloth and synthetic sponge while cleaning your sink at the same time. Fill sink with a gallon of water. Add ½ cup of this product. Soak kitchen cloths in solution for [at least] 5 minutes, then rinse sink and cloths. Allow to air dry.

Refrigerators: Wash surfaces with a solution of ½ cup of this product per gallon of soapy water. This preparation can be sprayed. Prepare solution daily. Let stand 5 minutes. Rinse thoroughly and then air dry interior surfaces a few minutes before replacing food.

Fruit & vegetable washing: Thoroughly clean all fruits and vegetables. Mix ¼ teaspoon of this product in 1 gallon of water to make a sanitizing solution of 25 ppm available chlorine. Submerge fruit and vegetables in this solution for 2 minutes. [Rinse with water and air dry].

Non-food contact surfaces:
-or-
To sanitize *(insert item from list 5 hard nonporous)*

[For] Sanitizing hard non-food contact surfaces: Use ½ cup of this product per gallon of water. Wash, wipe-or-rinse items with detergent and water, then apply sanitizing solution –or -bleach solution. Let stand 30 seconds. Air dry.

Spring Cleaning [[For] Eliminating bacteria that cause household odors]
Sanitize and deodorize common household items, such as sinks, garbage cans, and refrigerator by eliminating the bacteria that cause odors.

Sinks: Wash, wipe-or-rinse items with water. Apply solution of ½ cup of this product per gallon of water. Let stand 5 minutes before rinsing. Rinse thoroughly and air dry.
Garbage cans: Wash garbage cans with soapy water and rinse. Swish a solution of ½ cup of this product per gallon of water over the inside of the can. Let the solution stand 5 minutes before rinsing.

To sanitize garbage cans/diapers pails: pre-clean garbage can/diaper pail with a cleaning product prior to sanitization. Rinse with water and drain. Pour 2700 ppm available chlorine solution. Let stand [at least] 5 minutes. Rinse and air dry.

Toilet bowls: Disinfect and deodorize your toiler

1) Flush toilet
2) Pour ¾ cup of this product into bowl
3) Brush entire bowl, including rim with a scrub brush-or-mop
4) Let stand 10 minutes before flushing again.

Mold and Mildew Directions for Use

[For Mold and Mildew]: Use ¾ cup of this product to each gallon of warm water. Keep surface wet 5 minutes, then rinse thoroughly and wipe dry. Repeat, if necessary, on heavily soiled surfaces -or- Add [3/4 cup] bleach to [powdered] detergent solution [per gallon of water]. Apply, let stand for 5 minutes. Wipe and rinse.

Removing exterior Mold: Mold [growing] on washable and colorfast exterior surfaces of your home, tile siding, the roofs, brick, stucco and patio stone can be easily removed using this product. First, hose surfaces to remove loose soil. Then apply a solution of ¾ cup of this product per 1 gallon of water to wet surfaces. Reapply the solution as needed to keep the area wet for 5 to 15 minutes. Rinse

thoroughly to remove residue. [Avoid applying solution in direct sunlight -or- to unfinished wood]. Rinse quickly and thoroughly it solution comes in contact with aluminium window frames-or-gutters since metal corrosion may occur.

Removing Mold and Mildew: [Mold and Mildew in the bathroom can be removed easily and effectively using this product.] Simply wipe down surfaces using a solution of ½ cup of this product to each gallon of warm water. Keep surface wet 5 minutes, then rinse thoroughly and wipe dry. Repeat, if necessary, on heavily soiled surfaces -or- Add [3/4 cup] bleach to [powdered] detergent solution [per gallon of water]. Apply, let stand for 5 minutes. Wipe and rinse.

Use sites and surfaces:

5- Hard, non porous surfaces		
Kitchen:		
Appliances	Glass	Solid surfaces-or-sealed granite countertops
Brushes	Latex enamel painted woodwork	Stoves
Cabinet-or-drawer handles	Linoleum	Stovetops
[Ceramic] glazed tile [floors-or-countertops],	Lunchboxes	Thermometers
countertops,	Owens	Trash cans
faucets,	Plastic laminate	Trash compactors
floors,	Refrigerator [handles]	Vinyl
freezers,	Refrigerators	Walls
garbage cans, garbage disposals	[behind and under] sinks	Work surfaces
Bathroom:		
[bath]tubs	Glazed porcelain	Sinks
Cat litter boxes	Petty seats-or-trainers	Thermometers
Combs and brushes	Shower curtains	Glazed tile
Countertops	Shower floors	Toilets [handles]
Faucets	Shower walls	Urinals
floors	showers	vinyl
Baby's nursery-and/or-items:		
Baby bathtubs	Diaper pails	Painted cribs
Bumpers	Hard non porous toys	Plastic mattress covers
Changing tables	High chairs / Restaurant high chairs	Playpens
Outdoors:		
Barbeque [s] [grills]	Outdoor siding	Sealed patio stone
Bike-or-bicycle	Plastic patio furniture	Sport equipment
Finished woodwork [dark, fences, arbors, trellises, benches, and patio furniture]	Playground set	Sealed stucco
Flowers pots and3or planters	Sealed brick	Sides of house
Golf balls-and/or-clubs	Sealed driveways, walkways and sidewalls	Gazed tile
For heavy soil, pre-clean surface before disinfecting.		Wading-or-kiddy pools
Cars:		
dashboard	Door handles	Steering wheel

6- Food contact sanitization use surfaces:		
Baby bottles	Glassware	Spray cups
Countertops	Plastic [baby] feeding spoons	Stainless cutlery
Dishes	Plastic cutting board	Stainless utensils
Food contact surface	Pots and pans	[travel] mugs
Freezers	Refrigerator	

7- Use Sites –or- Locations For use in -or- this product can be used on hard nonporous surfaces in *(enter sites –or- locations)*		
Airplane	Health clubs	Patient rooms

[All] Around the hous	Homes [including kitchens and-or-bathroom and-or-nurseries and-or-sick room and-or-laundry rooms	Pet kennels
Ambulances		Physicians-or-pediatricians office
Animal care facilities-or-hospitals		Play-or-common areas
Animal husbandry	Hotels-or-motels-or-condominium	Playrooms
Attics	Household premises	Playgrounds
Automobiles-or-cars	Household	Pool[pubic] restrooms
Barbeque-or-grill areas	House [hold]s	Public transportation
Bathroom	Institutional [establishments-or-premises]	Resorts
Cafeteria	Institutions	Restaurants
Casinos	Kennels	School buses
Churches	Kitchen	Schools
Classrooms	Laboratories	Shelters
Clinics	Laundry	Shopping carts
Closets	Locker room facilities	Sick room
Sommercial [establishments-or-premise]	[manicure] [pedicure] salons	Spas
Day care [centers]	Meat processing plants	Sports facilities
Dental offices	Medical clinics-or-offices	Storage areas
Diners	Military installations	Stores
Eating establishments	Movies theaters	Timeshares
Eider care center	Nursing homes	Toilet areas
[Emergency] Waiting rooms	Nurseries	Universities
Food processing plants / facilities	Office building-or-places-or-area-or-environments	Veterinary offices-or-premise
Gyms	Offices	Work places-or-environments-or-areas

General/Cleaning/Stain removal/Deodorizing Claims		
½ cup per load [and] [stains hit the road]	For more tips, uses and instructions, visit www.lavo.ca	Smaller bottle is easier to handler, pour and store
A classic-and/or-essential cleaner-or-cleaning product	For [the] whitest-or-brightest whites] [for best results] [for whites that shine] Measure up ½ cup[1]	Specially formulated to work with-or-for HE machines-or-High Efficiency and Standard-or-All machines [to give you the whitest whites[6]]
Advanced whitening [Power-or-Formula]	For unbeatable whitening	[still-or-when used as directed] for all your bleachable wash loads
Authentic-and/or-Classic clean	For use in all -or-Standard and HE machines	[still the] same bleach performance now with HE-or-High efficiency benefits -or-compatible with all-or-standard and HE-or-efficiency machines
[Best] Family size-or-pack	For use in high efficiency washing machine	Takes care of your whites
Bigger value pack	For whitest whites	The bleach you love
Bleaches out tough stains	Get seen your dirtiest clothes white	The stain remover for whites
Boosts Cold Water Cleaning Power	Gets rid of [invisible] body soil [detergent may leave behind]	The way clean homes are supposed to be
Brightens whites	Good for hospital, good for homes	There's nothing like a bleach clean
Can be used in-or-on for more than [just] white [laundry] loads-or-fabrics	Great for cold water [cleaning]	This product can be used for-or-on many color fast washables
Cleans laundry & household	Great-or-perfect-or-effective for cleaning up after your pets-or-dog-or-puppy-and/or-cat [4]	*This product* for a cleaner, fresher, laundry and household
Cleanest clean	HE-or-High Efficiency Compatible	*This product* is a great-and/or-convenient solution [for your household needs]
Cleaning: For laundry use: Follow-or-	Help [s] keep[s] whites looking their best	*This product* gets even your dirtiest

use according to HE manufacturer instructions [for use] [respectively with special cycles]		clothes white
Cleaning booster in –or- cold water washing	[Helps] reduce[s] [machine] odor [from your [HE] machine]	*This product* removes body soil[to get your clothes clean]
Cleans –and/or- Deodorizes	It's from Lavo, so you can trust. It is more clean	*This product* used as directed does not wear down fabric [any more than using detergent alone]
Concentrated clean more with less	Keeps day care centers clean	Treasured in homes
[Continue to] get the best out of your machine by using HE-or-High Efficiency compatible bleach	Keeps your laundry whites whiter	[Two benefits in one] Whitens whites-or-removes stains + cleans machine
Deep cleans the laundry you are already washing in cold water	Looks clean, smells clean, know it's clean	Unbeatable whitening
Deodorizer	Low odor	Use ½ cup[for[the] whitest-or-brightest whites] [for best results] [for whites that shine][1]
Deodorize [s]	Make sure your whites measure up. Use ½ cup[1]	Use bleach once a week in your laundry to [help] eliminate [the] odor [in your laundry]
Detergent is not enough	[Many] [Most] Washing machine manufacturer recommend that you need to perform a periodic maintenance HE-or-high efficiency bleach cycle once per week-or-at a minimum once a month to ensure that your HE machine remains clean and free from any soil buildups.	Use in hospitals [on hard non porous surfaces]
Detergent may leave behind [invisible] body soil[inside clothing fibers]	Multi purpose	Use *This product* regularly to help prevent stains from building up-or-getting worse
Do not use this product full strength for cleaning surfaces. Always dilute strictly in accordance with label directions.	New and [&] improved [formula] [for use in HE-or-High Efficiency and Standard machine]	Using bleach once a week in your laundry can-or-will help eliminate odor in your machine
Easy way to get whiter chites	Now try these [other] [great] bleach products	Value size-or-pack
Easier to handle, pour and store [than original bleach]	Now use ½ cup instead of ¾ cup for all your laundry and cleaning needs.	Wear gloves when cleaning for prolonged periods
[Effective] for [use in]-or-compatible with [standard and] HE-or-all machine] [use]	Removes/Eliminates Odors	When can I use this product? For the leanest, whitest whites, use this product in every bleachable load. Most white fabrics and some colored fabrics can be washed with this product
Eliminates odors [in your machine-or-laundry]	Removes [many] [tough] stains to get your whitest whites	White just go whiter
	Removes[s] odors [in]-or-Deodorize[s] drains-and/or-toilets-and/or-sinks-and/or-washing machine-and/or-washers-and/ or-bathroom-and/or-kitchens-and/or-living rooms-and/or-laundry rooms-and/ or-pet areas [in your home][5]	Whitens [and Removes stains]
Family size-or-pack	Remove[s] stains for a pure white	Whitens bleachable fabrics
	Remove[s] stains on dishes-and/or-sinks -and/or-tubs-and/or-driveways-and/or-decks-and/or-patios-and/or-fences-and/ or- bathrooms-and/or-kitchens-and/or-living room-and/or-laundry rooms-and/or-pet areas [in your home] [5]	Whitens whites[6]-or-removes stains better than [leading] [HE] [or] [regular] detergent
Fabric-or-fiber friendly	Remove[s] [Tough] stains [and whitens whites]	Whitens and disinfects
Family dollar [sku, department, price]	Removes the yukky stuff detergent can	Why do you need HE-or-High efficiency

	leave behind	compatible bleach? HE stands-or-''high efficiency''. The next generation of washers that safe water and energy
Formulated for[powerful] whitening in hot-or-cold water	Remove what detergent can-or-may leave behind	Works in all-and/or-HE machines
For family dollar	SDA [Soap & Detergent] recommends regularly washing out your HE machine with bleach-or-[this product]	Works-or-deep cleans in both hot-or-cold water
For best laundry results use ½ cup[1]	See the difference *This product* makes[2]	X loads [per bottle-or-box] [x is number of loads]
For laundry that measures up	See the difference [when you use-or-add *This product* [2]]	
[1] In regular-or-standard machine	[2] vs detergent alone	[3] use as directed over bleachable fabrics
[4] First, rinse area with water to remove excess residue [loose dirt, debris, food materials, etc,..] use in well ventilated areas. If the vapors bother you, leave the room-or-area while product is working	[5] First, rinse area with water to remove excess residue [loose dirt, debris, food materials, etc,..] use in well ventilated areas. If the vapors bother you, leave the room-or-area while product is working. Qualifier to be used only if the pet areas are referenced.	[[6] vs [leading] detergent]-or-[[6] after 5 washes]-or-[[6]whitin 5 washes]

Sanitizing/Disinfecting Claims

A few surprising uses of bleach: Disinfecting hard nonporous toys [and] sanitizing baby bottles [and sippy cups], [sanitizing plastic cutting boards], [sanitizing travel mugs], [sanitizing pet bowls]	For institutional use [only]	Kills mold [and mildew]
[clean[s] away-or-out and [kills] [eliminate[s] [destroy[s]], remove[s] [wipe[s] away-or-out] [attack]] [get[s] rid of] [the] bacteria [commonly found in [kitchens], [bathroom], [restroom], [households], [homes], [offices], [work-or-office [places], [environments], [areas]] [laundry]]	[Helps] Eliminate[s] –or- reduce[s] odor [causing bacteria] [from your [HE] machine]	[Only by] using [detergent and] bleach [in every load] can you remove what you can see [[e.g. stains]], what you can smell [[e.g. odors]] and what you can't see [[e.g. body soil, oils, odor-causing bacteria]]
Clean, disinfect, protect [*][*hard nonporous surfaces]	[Helps] Prevent[s] [the] buildup of odor causing bacteria in your machine	[Only by] using [detergent and] bleach [in every load] can you remove what you can see [[e.g. stains]], what you can smell [[e.g. odors]] and what you can't see
Clean [ing] -and/or- disinfect[ing] -and/or-protect[ing] [the] [your] [bathroom], [restroom], [kitchens], [house], [home], [office], [work-or-office], [place] [area] -or-environment]], [laundry]	For institutional use [only]	Remove[s] bacteria from your children's hard non porous toys
Clean[s] -and/or- disinfect[s] -and/or-protect[s] [the] [your] [bathroom], [restroom], [kitchens], [house], [home], [office], [work -or- office [place] [area] -or-environment]], [laundry] against-	[Helps] Eliminate[s]-or-reduce[s] odor [causing bacteria] [from your [HE] machine]	Remove[s] mold [and mildew] [stains]
Cleans [and disinfects]	[Helps] Prevent[s] [the] buildup of odor causing bacteria [in your machine]	Sanitizer
Cleans, Whitens, Disinfects	Kill[s] bacteria on the surfaces your kids touch every day	Sanitizes
Convenient -and/or- Easy -and/or- Simple way to clean-and/or-disinfect-and/or-remove odors -and/or- kill germs -and/or- sanitize -and/or- remove stains	Kill[s] household mold [and mildew]	The smart way to disinfect

Disinfect -or- sanitize -and/or -clean your pet's -or- dogs -or- puppy'or cat's items -and/or- areas -and/or -toys [with *This product*][5]	Disinfect[s] –and/or- Sanitizes and/or- Deodorizes –and/or- Eliminates Odors –and/or- cleans [around the house	*This product* useful in so many ways: disinfecting hard non porous toys, [and] sanitizing baby bottles [and sippy cups], [Sanitizing plastic cutting board], [Sanitizing travel mugs], [Sanitizing pet bowls]
[5]First, rinse area with water to remove excess residue [loose dirt, debris, food materials, etc..] Use in well ventilated areas. If the vapors bother you, leave the room-or-area while product is working. Qualifier to be used only if the pet areas are referenced	Disinfects pet areas, accessories and toys [including kennels -and/or- litter boxes -and/or- floors][4]	[Trusted to] Disinfect your pet's accessories -and/or- toys
Disinfects	[4]First, rinse area with water to remove excess residue [loose dirt, debris, food materials, etc..] Use in well ventilated areas. If the vapors bother you, leave the room-or-area while product is working	Versatile enough -or- can be used to disinfect -and/or- sanitize -and/or- clean your baby's laundry -and/or- clothes -and/or- cloth diapers
Disinfects and Deodorizes by Killing [most] Germs and Their Odors	Disinfects your baby's -or- workout clothes -or- laundry	Versatile enough -or- trusted to disinfect-and/or-sanitize -and/or- clean your baby's laundry -and/or- clothes-and/or-cloth diaper's
Disinfects hard, nonporous surfaces	Disinfects day care centers	Whitens. Removes stains. Disinfects

Cleaning/Consumers uses
Household [hint] [use]

Deodorizing Cat's litter box
Unpleasant cat box odors can be eliminated when this product is used to kill odor-causing germs. Wash litter box with sudsy water and rinse. Then wipe with a solution of ½ cup of this product per gallon of water. Let solution stand 5 minutes before rinsing thoroughly.

Eliminating Garbage Can Odors
This product can deodorize your garbage cans by eliminating the bacteria that cause odors. Wash garbage cans with this soapy water and rinse. Then to deodorize and sanitize, swish a solution of ½ cup of this product per gallon of water over the inside of the can. Let the solution stand 5 minutes before rinsing.

Eliminating Refrigerator odors
This product kills odor causing bacteria and leaves Refrigerator smelling fresh and clean. Use it inside and out. Wash surfaces with this a solution of ½ cup of this product per gallon of soapy. Let stand 5 minutes. Rinse and then dry interior surfaces a few minutes before replacing food.

Keep Christmas Trees fresher longer
To prolong the life of a fresh cut tree, instead of using plain water in the tree stand bowl, use a solution of 1 ½ teaspoons of this product, ½ gallon hot water, 1 cup corn syrup and 1/8 cup powdered chelated iron (available from local nurseries).

Keep Cut Flowers fresh longer
Fresh cut flowers will stay beautiful longer if you add ¼ teaspoon of this product to each quart of cold water. This product can also be sued to remove flower vase stains and odors. Wash the vase thoroughly and then fill with a solution of ½ cup of bleach to 1 gallon water. Let stand 5 minutes before rinsing.

Removing Patio Moss and Mildew stains
Protect nearby plants and grass by watering areas thoroughly before and after product use. Patio moss and mildew stains can be unsightly, slippery and dangerous. Hose patio to remove loose debris. Then use this product to remove moss and mildew stains by washing the area with a solution of ¾ cup of this product to 1 gallon of water. Reapply the solution as needed to keep the area wet for 5 minutes. Brush as needed to remove moss and then rinse thoroughly. [Do not use on painted wood]. Avoid excessive runoff near plants.

For disinfection of floors, walls, showers and toilets
To disinfect floors, walls and showers: For nonporous surfaces such as vinyl-or-ceramic tile, clean surfaces to remove grass filth. Rinse surfaces thoroughly with 2700 ppm available chlorine solution. (4 oz of this product per gallon of water) Allow solution to remain on

the surface for 5 minutes. Rinse [Let air dry]
To disinfect toilet: Flush toilet. Pour [1cup of] bleach into bowl. Brush bowl [thoroughly] making sure to get under the rim and let solution stand for 10 minutes and flush again.

In sanitation of restaurants and taverns
An unclean kitchen and contaminated food result in the hazards of contaminated surfaces. To help avoid this, it is important to keep all work surfaces, equipment and utensils hygienically clean. This product is a highly effective, economical and convenient germicide for this use in restaurants and taverns, as well as in the home.
To sanitize work surfaces [not utensils]: After each use, scrub thoroughly with hot suds; rinse with clear cold water. Then prepare a 200 ppm available chlorine sanitizing solution. (3 oz of this product per 10 gallons of water) Apply the solution 1 minute. Air dry.
To disinfect work surfaces [not utensils]: After each use, scrub thoroughly with hot suds; rinse with clear cold water. Then prepare a 2700 ppm available chlorine disinfecting solution. (4 oz of this product per gallon of water) Apply the solution 5 minute. Air dry.
To sanitize dishes, glassware, utensils:: Wash thoroughly; then soak 2 minutes in a 200 ppm available chlorine solution [made with hot water]. Use chlorine test strips to adjust to 200 ppm available chlorine. Drain dry. [Do not use on steel, aluminium, silver,-or-shipped enamel. Disinfect these by scalding.]
Disinfecting sink and sanitizing dishcloths[s]: Should be a routing follow-up dishwashing. First wash sink and rinse dishcloth[s] in hot suds. Drain out sudsy water. Then fill with a 2700 ppm available chlorine solution. Let stand 5 minutes. Swish dishcloth[s] in the solution, then use it to wipe sides of sink. Soak dishcloth[s] for 1 minute in this solution. Then rinse sink and dishcloth[s] with clear water.
To deodorize drain pipes: Flush with very hot water followed by 1 cup of this product. Wait 5 minutes. Flush out with clear water.
To sanitize refrigerator: First wash inside surfaces. Then wipe with 200 ppm available chlorine solution made with warm water. Let stand for [at least] 2 minutes. Air dry. [Do not use on steel, aluminium, silver,-or-silver.]
Ice cream freezers – to clean and sanitize: After using, flush with warm water until water runs clear. Scrub-or-pressure-spray with solution prepared by thoroughly mixing 1 oz [regular] [powdered] detergent with each gallon of 450 ppm available chlorine solution. (7 oz of this product per 10 gallons of water) Rinse thoroughly with clean, clear water, drain. Immediately before use, sanitize for 2 minutes with 200 ppm available chlorine solution, drain thoroughly.
To disinfect hard non porous floors [plastic-or-ceramic tile]: Prepare a 2700 ppm available chlorine solution. Mop pr scrub. [Do not use on cork-or-linoleum]. Let stand 5 minutes. Rinse.
To sanitize brushes, mops and brooms: After using brushes, mops and brooms, wash thoroughly; then soak for 5 minutes in a 2700 ppm available chlorine solution, made with warm water. Rinse with clear water, dry.[Not recommended for cellulose sponge mops]
Pails and dustpans: Remove heavy dirt prior to cleaning. Wash with a 2700 ppm available chlorine solution. Let stand 5 minutes. Rinse with clear cold water. Air dry.
To deodorize and sanitize garbage cans: Remove heavy dirt with a cleaner. Rinse. Pour in a 2700 ppm available chlorine solution. Swab inside surfaces with this solution. Let stand 5 minutes. Rinse with clear cold water; dry.

1/3 oz (2tsp) this product + one gallon = 200ppm
4 oz this product + one gallon = 2700 ppm

For sanitizing solutions for equipment and utensils
This product is authorized for use as a sanitizing solution in official establishment operating under the USDA meat, poultry, shell egg grating and egg products inspection programs.
Before using this product, food products and packaging materials must be removed from the room -or- kept protected.
Before they are treated with a bleach solution. The food processing equipment and utensils must be thoroughly washed and then rinsed with clear cold water.
The bleach solution used for sanitizing must not exceed 200 ppm [parts by million] available chlorine. (3 oz of this product per 10 gallons of water) [Use chlorine test trips to adjust to 200 ppm available chlorine]. The bleach solution must be applied by spraying, soaking-or-scrubbing. Treated surfaces must remain wet for at least one minute.
A potable water rinse is not required, provided the equipment and utensils are adequately drained before they come into contact with food. Little-or-no residue should remain to adulterate-or-otherwise affect edible products.

For dairy and creamery equipment sanitation
This product is effective as a chemical sanitizer of milk utensils, containers and equipment. This product dissolves milk solids and other protein material and is a quick and effective deodorizer.
An exposure of at least 2 minutes to a 200 ppm available chlorine solution (3 oz of this product per 10 gallons of water) must be maintained when the solution temperature is 75F. Use chlorine test strips to adjust solution to desired strength. Lower solution temperature result in slower action; for each 18F drop in temperature, approximately double the exposure time is needed to achieve equivalent bactericidal action with same strength of solution. You can also compensate for lower temperature by increasing the concentration of this product.
You must clean out large deposits of milk-or-other organic matter before applying this product3water solution. A sharp decline in the available chlorine content of the solution following circulation through milk processing equipment is usually regarded as evidence of

inadequate cleaning of the equipment and should be promptly investigated.

Rubber teat cups and tubes - Before each milking, prepare a 200 ppm available chlorine sanitizing solution. Dip teat cups into this solution for 2 minutes before transferring them from one cow to another.

To sanitize- Soaking method: After each milking, wash cups and tubes by brushing thoroughly with detergent solution. Rinse cups and tubes with cold water. Prepare a 200 ppm available chlorine sanitizing solution in earthenware, glass, porcelain-or-stoneware containers. Submerge cups in this solution for 2 minutes, holding ends of tubes; coil tubes slowly into solution between milking; drain thoroughly before using.

To maintain sanitizing solution at proper strength, add 2 tsp of this product daily [in hot water, 1oz] for each 3 gallons water; mix well. Protect solution from light. Renew solution daily. Old solution may be utilized for deodorizing and making floors an drains sanitary; for this purpose, add ¾ oz of this product for each 5 gallons of old solution; mix well.

To sanitize – Rack method: After each milking, rinse cups and tubes in cold water. Wash in detergent solution, then rinse. Prepare a 200 ppm available chlorine sanitizing solution; place solution in bottle above rack for 2 minutes. Place tubes and cups in rack; fill with solution and let stand between milking; drain thoroughly and air dry before using. Old solution may be utilized in deodorizing and making floors and drains sanitary.

Metal teat cups and tubes- Before each milking, prepare a 200 ppm available chlorine sanitizing solution. (3 oz of this product per 10 gallons of water) Dip teat cups in this solution before transferring them from one cow to another.

To sanitize: After each milking, rinse cups and tubes in cold water. Wash in detergent solution; rinse in 200 ppm available chlorine solution for 2 minutes; drain thoroughly and dry before using.[Metal cups should not be left in bleach solution]

To clean and sanitizing milking machines and utensils: immediately after milking, flush equipment with clean, lukewarm water. Dismantle equipment after each milking and wash it [including all rubber parts and stanchion hoses] and all utensils with a solution prepared by thoroughly mixing 1 oz of your [regular] powdered] detergent with each gallon of a 200 ppm available chlorine solution. Water temperature should be 100F to 130F [Do not mix this product with acid cleaners -or- milk stone removers]. Rinse equipment and utensils thoroughly with clean clear water; drain. Air dry. Immediately before use, sanitize according to directions shown below.

Cleaning in place –Bulk storage tanks, dairy pipelines, transfer stations: Immediately after milking flush surfaces with a large volume of water; lukewarm water until water runs completely clear. Thoroughly mix solution of 1 oz of your [regular] [powdered] detergent with each gallon of a 200 ppm available chlorine solution. Hot water should be used if available, and the temperature of the solution should be maintained at 120-160F thoroughly the entire circulation. [Do not use this product with acid and cleaners-or-milk stone removers]. Circulate the sanitizing solution through the system for 10 to 15 minutes. [Brush-wash with solution to help protect in contact with solution as it circulates]. Rinse thoroughly with clean, clear water; allow to drain. Air dry. Seal this equipment to help protect against contamination. Immediately before use, sanitize according to direction shown below.

Separators, strainers, milk cans, fails, churns, pasteurizers – to clean and sanitize: after using, rinse immediately with clear cold water; then scrub-or-pressure-spray with solution of 1 oz of your [regular] [powdered] detergent thoroughly mixed with each gallon of 200 ppm available chlorine solution. Rinse with clean, clear water; drain thoroughly. Air dry. Immediately before use, sanitize according to directions shown below

Milk bottles- to sanitize: Clean and rinse, then immerse for 5 minutes in a 200 ppm available chlorine solution prepared with cold-or-lukewarm water; drain; fill if bottles are not filed promptly; rinse again with same strength bleach solution immediately before filling; drain thoroughly. Air dry. Ordinarily, 12 gallons of this strength solution will sanitize 5000 clean quart bottles. Keep this solution clean and free from milk particles.

Ice cream freezers – to clean and sanitize: After using, flush with warm water until water runs clear. Scrub-or-pressure-spray with solution prepared by thoroughly mixing 1 oz of [regular] [powdered] detergent with each gallon of 200 ppm available chlorine solution. Lst stand 2 minutes. Rinse thoroughly with clean, clear water; drain. Air dry. Immediately before each use, sanitize according to directions shown below

Before use – Rinse with 200 ppm available chlorine sanitizing solution for 2 minutes, drain thoroughly.

For crop/site treatment

Crop/site	Asparagus seed treatment	Pepper seed treatment	Tomato seed treatment	Rice seed treatment
Target pest/problem	To aid in the prevention of asparagus root rot	To aid in the prevention of bacterial spot	To aid to the control of bacterial canker and tobacco mosaic virus	To aid in surface sterilization of rice seed for prevention of bakanae disease
Dosage	6000 ppm available chlorine solution (9 oz of this product per gallon of water)	10000 ppm available chlorine solution (16 oz of this product per gallon of water)	10000 ppm available chlorine solution ((16 oz of this product per gallon of water)	3000 ppm available chlorine solution (4.5 oz of this product per gallon of water)
Dilution-or-application rate	Use 1 gallon of solution per pound of seed	Use 1 gallon of solution per pound of seed	Use 1 gallon of solution per pound of seed	Use 4 gallons of solution per 96 gallons water
Method of application	Wash seed in solution for 40 minutes, providing continuous agitation. After washing seed, spread and air dry.	Wash seed in solution for 40 minutes, providing continuous agitation. After washing seed, spread and air dry.	Wash seed in solution for 40 minutes, providing continuous agitation. After washing seed, spread and air dry.	Using a thoroughly premixed solution, soak seed for two hours then drain solution and replace with fresh water. Continue seed soaking and draining as usual. Do not apply

				undiluted product directly to seed.
Dosage				1500 ppm available chlorine solution.
Dilution-or-application				2 gallons solution per 98 gallons of water.
Method of application				Using a thoroughly pre-mixed solution, soak and drain as usual [no rinse required], Do not apply undiluted product directly to seed.
Frequency/timing of application	1 application	1 application	1 application	1 application
Pre harvest interval	Pre plant treatment	Pre plant treatment	Prep lant treatment	Pre plant treatment
Other requirements	Do not use treated seeds for food-or-feed. Allow to dry before storing, planting-or-treating with other chemicals, Prepare fresh solution for each batch of seed.	Do not use treated seeds for food-or-feed. Allow to dry before storing, planting-or-treating with other chemicals, Prepare fresh solution for each batch of seed.	Do not use treated seeds for food-or-feed. Allow to dry before storing, planting -or-treating with other chemicals, Prepare fresh solution for each batch of seed.	Do not use treated seeds for food-or-feed. Prepare fresh solution for each batch of seed.

Agricultlural uses: 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 tons of potatoes. Thoroughly mix 3 oz of this product to 4 gallons of water to obtain 500 ppm available chlorine.

Fruit and vegetable: Thoroughly wash all fruits and vegetables in a wash tank. Thoroughly mix 7 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.

For seed potatoes as a Fungicide

A bleach solution of this product is applied to whole used seed and freshly cut seed potato pieces during cutting operation for planting.

Use instructions

Thoroughly mix a solution of 6000 ppm available chlorine for spraying. (9 oz of this product per gallon of water) Use this solution to spray cut seed potato pieces from the top and bottom of the cutting chain-or-elevator with a series of non-mist nozzles at 3 to 5 psi. Thoroughly cover all cut and uncut surfaces with the solution. The treatment will be most effective on clean seed tubers, as the organic matter in soil will reduce the effectiveness of the sodium hypochlorite.

Plant within four hours of the cutting and bleach treatment operation. If planting should be delayed, store the treated seed in clean, open, well-ventilated bins-or-truck beds. Storing cut, wet seed in large unventilated containers will contribute to secondary breakdown from soft rot organisms.

Safety precautions

Do not mix full-strength product-or-treatment solution with any other agricultural chemical, ammonia-or-acid. Avoid contact of this product with skin. Wear safety glasses. If full strength-or-dilutes bleach is splashed in eyes, flush with water.

Conduct the spraying operations either outside, in a well-ventilated building-or-under a hooded exhaust system. Use non-misting nozzles to avoid breathing of mist. What a face mask and plastic-or-rubber gloves and clothing. Because sodium hypochlorite is corrosive to many metals, chains and other machine parts should be either plastic -or- plastic-coated and rinsed with water after use.

Note: Do not use the treated seed for food-or-feed. Use the bleach treatment only on crops and for the purpose recommended. Apply only as specified above. Do not apply in a dipping operation-or-bleach solution may become contaminated with soil and organic matters from the potato surfaces and lose its effectiveness.

Farm premises: Remove all animals, poultry and food from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pans, stalls, chutes and other facilities occupied-or-transverse 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 15 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 cleared forks, shovels and scrapers used for removing litter and manure. Ventilate building, cars, boats and other closed spaces. Do not house livestack-or-poultry-or-employ equipment until chlorine has been dissiped. All trated feed racks, mangers, troughs automatic feeders, fountains and waters must be rinsed with potable water before reuse.

Sanitation in care of livestock, horses, pets

To clean and disinfect barns, stables, hutches, kennels: Remove all litter, loose dirt and debris. Mix 1 oz [powdered] detergent with

each gallon of 2700 ppm available chlorine solution (4 oz of this product per gallon of water) until detergent is dissolved. Using the solution, thoroughly scrub-or-pressure-spray all exposed areas including floor, walls, ceiling posts and support beams. Let stand for [at least] 5 minutes. Rinse with water, clear, cold water. Let area dry thoroughly before housing animals.

Loading and hauling equipment: To clean and disinfect. Thoroughly scrub-or-pressure-spray with solution of 1 oz [powdered] detergent mixed with each gallon of 2700 ppm available chlorine solution. Let stand for [at least] 5 minutes. Rinse thoroughly with clear, cold water, allow to dry before use.

Feeders and drinking water containers – to clean and disinfect: Thoroughly, scrub or pressure-spray with solution of 1 oz [powdered] detergent mixed with each gallon of 2700 ppm available chlorine solution. Let stand to [at least] 5 minutes. Rinse thoroughly with clear, cold water, Allow to drain dry. [A solution of 1800 ppm available chlorine (2 ¾ oz of this product per gallon of water) is effective in removing slime which sometimes forms on drinking water containers. Do not let animals drink this solution.]

To sanitize animals drinking water: Prepare a 5 ppm available chlorine solution using clear water. Use in glass, plastic, porcelain or concrete containers daily.

For food egg sanitation

To sanitize food eggs: Thoroughly clean all eggs. Prepare a 200 ppm available chlorine solution (3 oz of this product per 10 gallons of water). The sanitizer temperature must not exceed 130F. Spray the warm sanitizer so that the eggs are completely wet. Allow the eggs to fully dry before casing-or-breaking. Do not apply a potable water rinse. The solution must not be re-used to sanitize eggs.

For poultry care

Keeping poultry healthy, productive and profitable is largely a problem of disease prevention. Remedial measures are much more difficult and often less successful than preventing the spread of disease before it infects the flock. Regular use of this product in the sanitation and disinfection of chicken houses, brooders, and other poultry equipment is an effective aid in preventing many diseases of bacterial and viral origin.

To sanitize drinking water; Prepare a 5 ppm available chlorine solution using clear water. Let stand 1 minute. Use in glass, porcelain, stoneware-or-concrete containers. Clean containers daily; rinse.

For young chicks, a 2 ppm available chlorine solution should be prepared since baby chicks do not soil the water as rapidly as grown chickens and the solution retains its effectiveness longer.

When clearing drinking water containers, etc, ... an 1800 ppm available chlorine solution (2 ¾ oz of this product per gallon of water) is effective in removing the slime. Do not allow birds to drink this solution.

To clean and disinfect poultry houses, brooders, hatcheries: Poultry houses should be cleaned and disinfected between cycles, hatcheries should be cleaned weekly-or-as necessary to keep sanitary. Metal surfaces can be satisfactorily disinfected. Wooden surfaces are difficult to sanitize by any method.

1) Remove the litter, loose dirt and debris.
2) Thoroughly mix solution of 1 oz [powdered] detergent with each gallon of 2700 ppm available chlorine solution. (4 oz of this product per gallon of water)
3) Using this solution, scrub-or-pressure-spray all exposed areas, including floor, walls, ceiling posts and support beans. Let stand for 5 minutes.
4) Rinse with clean, clear cold water
5) Let dry thoroughly before introducing poultry

Metal incubator, feeders, water containers, other poultry equipment and utensils – to clean and disinfect: Remove loose dirt and debris. Scrub-or-pressure-spray with solution of 1 oz [powdered] detergent thoroughly mixed with each gallon of 1400 ppm available chlorine solution. (2 oz of this product per gallon of water) Let stand 2 minutes. Rinse with clear, cold water.

For continuous washers, prepare washing solution as above. Add an additional ½ oz of detergent per every 4 gallons of 50 ppm available chlorine solution every 30 minutes. Dump wash tank and recharge every 2 hours. For manual method, soak eggs for only 1 to 2 minutes. Agitate basket. Make sure eggs are completely covered.

Air-dry eggs as rapidly as possible. Store in cool [55F] room. Maintain relative humidity of 60-80%

Note: Keep egg-washing equipment sanitary. Frequent cleaning will aid in operation and produce more sanitary eggs. While equipment is idle, bacteria can multiply. The contamination can be reduced by thoroughly flushing all equipment immediately before use with a solution of 200 ppm available chlorine.

For Meat & Poultry plant laundry use

This product may be used on fabric which contacts meat –or -poultry products directly -or- indirectly, provided that the fabric is thoroughly rinsed with potable water at the end of the laundering operation.

To sanitize laundry, add enough of this product to each 200 ppm [parts by million] available chlorine [3/4 cup of bleach per standard washer, 1 cup for extra large washers-or-heavily soiled loads]. Use a good detergent. For best results, dilute bleach with a quart of water and add to wash 5 minutes after the wash has begun Use chlorine test strips to adjust to exactly 200 ppm available chlorine.

For Meat & Poultry processing water

This product may be used in processing water of meat and poultry plans at concentration up to 5 ppm calculated as available chlorine.(½ tsp of this product per 10 gallons of water) Chlorine may be present in poultry chiller intake water, in water for reprocessing poultry carcasses internally contaminated with feces, and in red meat carcass final water at concentrations between 25 and 50 ppm calculated as available chlorine. Use chlorine test strips to adjust to desired available chlorine level. Chlorine must be dispensed at a constant and uniform level and the method or system must be such that a controlled rate is maintained.

Sanitation in Care of Swine

Hog houses and farrowing houses- to clean and disinfect

1) Remove loose dirt, litter and debris. Dirty-or-coated surfaces cannot be disinfected
2) Mix 1 oz [powdered] detergent with each gallon of 2700 ppm available chlorine solution (4 oz of this product per gallon of water)until detergent is dissolved. Let stand for [at least] 5 minutes.
3) Scrub-or-pressure-spray all surfaces with this solution. Rinse with clear, cold water.
4) Allow to dry before housing pigs.

Remove all animals, poultry, and feed from premises, vehicles, and enclosures. Remove all litter and remove manure from floors, walls and surfaces of barns, pens, stall chutes and other facilities occupied-or-traversed by animals. Empty all troughs, feeding and watering appliances. Thoroughly clean all surfaces with soap -or- detergent and rinse with water.

Ventilated buildings, cars, boats and other closed spaces. Do not house livestock, poultry-or-employ equipment until chlorine has dissipated. All treated feed racks.

Clean and disinfect metal watering troughs and feeders by pressure-spraying -or- scrubbing with solution prepared by thoroughly mixing 1 oz [powdered] detergent with each gallon of 2700 ppm available chlorine solution. Let stand for [at least] 5 minutes. Rinse thoroughly with clear, cold water, drain dry. [Drinking troughs and feeders should be cleared and disinfected before housing pigs, and as often as necessary to keep sanitary.]

To sanitize drinking water: Prepare a 5 ppm available chlorine solution using clear water. [Water containing suspended material is difficult to sanitize.]

For Fish ponds and equipment

Fish ponds: Remove fish from ponds prior to treatment. Thoroughly mix 1 ¼ gallon 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.

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 70 gallons of this product to 10000 gallons of water to obtain 600 ppm available chlorine solution. Apply so that all barrows, gates, rocks and drains are treated with product. Permit high tide to fill the pond then close gates. Allow water to stand for 2 to 3 days until available chlorine level reaches zero. Open gates and allow 2 tidal cycles to flush the pond before returning lobster to pond.

Conditioning live oysters

Thoroughly mix 8 oz of this product to 10000 gallons of water to 50- 70F 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 fall below 0.05 ppm. Repeat entire process if the available chlorine level drops below 0.05 ppm-or-the temperature falls below 50F.

Control of Scavengers in fish hatchery ponds

Prepare a solution containing 200 ppm of available chlorine by mixing 3 oz of this product with 10 gallons of water. Pour into drained pond potholes. Repeat if necessary. Do not desirable fish back into refilled ponds until chlorine residual has dropped to 0 ppm as determined by a chlorine test strips.

For Swimming Pool disinfection

This product is a 9.2% sodium hypochlorite solution, containing 8.75% available chlorine by weight. The purity of the ingredients and the carefully supervised process of its manufacture make this product a quality source of chlorine for water in swimming and wading pools.

This product is widely used as a source of chlorine for swimming pool sanitation and does not have any adverse effects on materials used in pool construction including swimming pool liners.

For each new filling of your pool, use following initial dosages of this product.

Swimming pool size in gallons	Initial dosage of this product	Swimming pool size in gallons	Initial dosage of this product
5000	2 cups	20000	10 cups
8000	4 cups	25000	13 cups
10000	5 cups	30000	14 cups
15000	7 cups	35000	16 cups

Note: 2cups =1pint; 4cups=1quart; 16 cups= 1 gallon

To determine the volume of water in the pool when filled, figure 7 ½ gallons of water for each cubic food of pool capacity. One quart of this product per 8000 gallons of water will supply approximatively 2 ppm available chlorine, but this way desipate rather in new water depending on the general sanitation conditions of the pool. Repeat dosage as needed to obtain 0 to 1.0 ppm available chlorine. Use chlorine test strips to adjust to the desired concentration.
In chorinating a swimming pool, mix the required amount of this product with 10 parts of water and feed this solution through a chlorimator into the main water supply line to the pool. Adjust the feeding rate so the required quantity of this product will be added uniformly throughout the filling of the pool, or, if the water is circulated through a filter, add the bleach throught one complete circulation. If this product cannot be led into the mainwater supply line, mix 1 cup of this product with 5 gallons of water and scatter over a portion of the pool surface, repeat until the required amount of this product has been scatted over entire surface of the pool.
Check chlorine level in pool water at least daily with a pool testing kit and add this product as needed to maintain 0.6 to 1.0 ppm available in chlorine. One pint of this product per 8000 gallons of water will supply approximatively 1.0 ppm avilable chlorine. Frequency of application of this product will vary depending on number of people using the pool, weather conditions and general cleanliness of the pool area. Maintain the chlorine level for acid-stabiulized pools at 1.0 to 1.5 ppm available chlorine.
Re-entry to treated pools i sprohibited above 4ppm due to risk of bodily harm.
Every 7 days -or- as necessary, superchlorinate the pool water with 75-150 oz of product for each 10000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of availalble chlorine with a test kit. Do not reenter pool until the chlorine residual is berween 1 to 3 ppm.
The effectiveness of the chlorine is best when the pool water has a pH range of 7.2 to 7.6. The pH of the pool water must be checked daily using a pool pH testing and adjust as necessary.
The regular us of this product in the above proportions, in the swimming pool usually prevents the growth of algae in the water. However, if algae growth is causing the pool water to look cloudy and uninviting, if may be corrected by doubling the initial dosage of this product for a few treatments [2 quarts instead of 1 quart per 8000 gallons of new water] Add the additional product to the pool in the evening after the pool is out of use so the excess chlorine will be dissipated before the pool is used again.
If algae are growing on the bottom of walls of the pool, scrub pool with a solution of 45 oz of this product to 5 gallons of water applying solution with a fiber brush. Scrub the pool while wet and then rinse off after growth has been removed. Flush all if the growth and dirty solution from the pool with clear water before the pool is filled. Avoid skin contact with undiluted product, if such contact occurs, rinse immediately with water. When added this product has no decisions effects on the eyes, nasal passages,-or-skin of people using the pool and will have no effect on swimming apparel.

For Wading pool disinfection
This product a 9.2% sodium hypochlorite containing approximately 8.75% available chlorine by weight- is a convenient, economical source of chlorine for water treatment in swimming and wading pool. Also, because his product is a liquid with no insoluble particles, it is especially soluble for this use.
In chlorinating water pools, use ¾ cup per 100 gallons of new water. Mix required amount of this product with 2 gallons of water and scatter over surface of pool. Mix uniformly with pool water. Between fillings of pool add 1 tablespoon of this product per 100 gallons of water each day. Empty small pools daily.
-or-
In chlorinating wading pools, use ¾ cup per 100 gallons of new water. Mix required amount of this product with 2 gallons of water and scatter over surface of pool. Mix uniformly with pool water. Empty small pools daily. [This product will not harm plastic pools]
Do not re-enter pool until the chlorine residual is between 1 to 3 ppm.
The chart below is a guide to the amount of this product to add to various sized round pools-or-¾ ounce of this product to every 100 gallons of pool water.

Pool diameter Depth of water	4 ft	6ft	8ft	10ft	15ft
6 inches	2 teaspoons	¾ oz	1 ½ oz	2 ¼ oz	4 oz
1 foot	¾ oz	1 ½ oz	3 oz	4 oz	9 oz
2 feet	1 ½ oz	2 oz	6 oz	9 oz	18 oz
3 feet	2 oz	4 oz	9 oz	13 oz	28 oz

3 teaspoons = 1tablespoon = ½ ounce = 1/16 cup
1 cup = 16 tablespoons = 8 ounces = ½ pint

Stabilized pool should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine residual and alkalinity of the water frequency with appropriate test kits. Frequency of water treatment will depend upon temperature and number of swimmers.

For spas, Hot tubs and immersion tanks, etc..

A- Spas/Hot tubs

Using a dilution chart-or-formula, calculate an approximate amount of product per 1000 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determinate by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 – 7.8. Some oils, lotions, fragrances, cleaners, etc,.. may cause foaming-or-cloudy water as well as reduce the efficiency of he product.

1- Maintain the water: To maintain the water; apply the product solution over the surface to maintain a chlorine concentration of 5 ppm
2- After each use: shock treat to control odor and algae, using the product at a rate of 1 cups to 500 gallons of water.
3- Periods of disuse: During periods of disuse, add product daily to maintain a 3 ppm chlorine concentration.
4- Do not re-enter pool until the chlorine level is between 1 to 3 ppm. Re-entry to treated spas/hot tubs is prohibited above 5 ppm due to risk of bodily harm.

B- Hubbard and immersion tanks

Before patient use, add product 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 6 ounces of product to bucket of water and circulate this solution through the agitator of the tank for 1 5 minutes and then out the solution. Clean tank thoroughly and dry with clean cloths.

C- Hydrotherapy tanks

Add product to the 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.

For Emergency disinfection of drinking water (Potable)

It is a violation of Federal law to use this product in a manner inconsistent with its labelling

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 10 drops -or- 1/8 teaspoon of this product to 2 gallon of water. Allow the treatment water to stand for 30 minutes. Properly 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 several times.

For cloudy water, use 18 drops -or- ¼ teaspoon of this product per 2 gallon of water [[3 drops to 1 quart]]. If no chlorine odor is apparent after 30minutes repeat dosage and wait an additional 15 minutes.

For Disinfection of Potable drinking water systems

Public system

Mix a ratio of this product to water to produce a 10 ppm available chlorine by weight. (16 oz of this product per 1000 gallons of water) Begin feeding this solution with a hypochlorinator until free available chlorine residual of a 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

1- 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. After covering the well, pour the sanitizing solution into the well through both the pigesleeve opening and the pipeline. Wash the exterior of the pump cylinder also with the sanitizing solution. Start 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

1- Drilled, driven and bored wells: Run pump until water is as free from turbidity as possible. Pour a 100 ppm available chlorine sanitizing solution into the well. 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 pump cylinder with the sanitizer. Drop pipeline into 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 into well. Mix well [[2 drops to 1 quart]] Consult your local Health Department for further details.

2- Flowing artesian wells: Artesian wells generally do not require disinfection. If analysis indicates persistent contamination, the well should be disinfected. Consult your local health Department for further details.

For Emergency Disinfection after main breaks

Mains:
Before assembly of the repaired section, flush out mud and soil. Permit water flow of a 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 in obtained at the low pressure end of the new main section after a 24 hours retention time. When chlorination is completed, the system must be flushed free of all heavily chlorinated water.

For Emergency Disinfection after droughts

A. Supplementary water supplies
   Gravity-or-mechanical hypochlorite feeders should be set up on a supplementary line to dose the water to a minimum chlorine residuel of 0.2 ppm after a 20 minutes contact time. Use a chlorine test kit.
B. Water shipped in by tanks, tank cars, truck, etc...
   Thoroughly clean all containers and equipment. Spray a 500 ppm available chlorine solution (¾ oz of this product per gallon of water) and rinse with potable water after 5 minutes. During the filling of the containers, dose with sufficient amounts of this product to provide at least 0.22 ppm chlorine residual. Use a chlorine test kit.

For Emergency Disinfection after fires

Cross connections -or- 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 chorine residual of at least 0.1 to 0.2 ppm at the point where the treated supply enters the regular distribution system. Use a chlorine test kit.

For Emergency Disinfection after floods

Wells
Thoroughly flush contaminated casing with a 500 ppm available chlorine solution (¾ oz of this product per gallon 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 for several hours and take a representative water sample. Re-treat well if water samples are biologically unacceptable.

Asphalt-or-wood roofs and siding: 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 7 oz of this product per gallons of water and brush-or-spray roof-or-riding. After 30 minutes, rinse by hosing. After 30 minutes rinse by hosing with clear water.

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 24oz of this product to this water to obtain 35 ppm available chlorine concentration. Leave immersed for 8 to 12 hours. Repeat if necessary. Do not discharge the solution until the free chlorine level has dropped to 0 ppm, as determinate by swimming pool test kit.

Artificial sand: To sanitize the sand, spray a 500 ppm available chlorine solution containing ¾ oz of this product per gallon of water at frequent intervals. Small areas can be sprinkled with a watering can

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Dilution table

To obtain a solution with an approximate available chlorine level, thoroughly mix the indicated amounts of bleach and water. Chlorine test kit should be used to adjust to the desired available chlorine levels.

Approxmate ppm available chlorine	Volume of this product	Volume of water		Approxmate ppm available chlorine	Volume of this product	Volume of water
27000	1 part	2 part		100	1 tsp	1 gallons
11500	1 part	5 ½ parts			1/8 cup (1 oz)	5 gallons
10000	1 part	6 ½ parts			¼ cup (2oz)	10 gallons
6000	1 part	12 parts		50	½ tsp	1 gallon
3600	¾ cup (6oz)	1 gallon			¾ gallon	1000 gallons

2700	½ cup [4 oz]	1 gallon		25	¼ tsp	1 gallon
	1 cup [8 oz]	2 gallons			2 tsp	7 ½ gallons
	1 ½ cup [12 oz]	3 gallons		10	3 drops	1 quart
	1 part	31 part			¼ tsp	2 gallons
1800	2 ¾ oz	1 gallon			24 drops	2 gallons
1500	1 part	50 part			163 oz	10000 gallons
600	9 oz	10 gallons		5	2 drops	1 quart
500	1 part	150 part			12 drops	2 gallons
450	5 ½ Tbsp (3 oz)	4 gallons			½ tsp	10 gallons
200	2 tsp [1/2 oz]	1 gallon		0.5	9 oz	10000 gallons
	2 Tbsp [1 oz]	3 gallons				
	¼ cup (2oz)	5 gallons				
	3 oz	10 gallons				
	3 gallons	1000 gallons				

Dilution table : ppm [parts per million available chlorine]. Degrades with age and exposure to sunlight and heat, Check the level of availbale chlorine with a test kit.

1/3 oz this product [2 tsp] + one gallon water = 200ppm
4 oz this product + one gallon water = 2700ppm

Table of liquid measure:

1 drop= 0.0017 oz
1Tbsp= 3 tsp
1 ounce=2 tbsp
1 cup= 8 oz
1 pint= 2 cups= 16 oz
1 quart=4 cups=2 pints= 32oz
1 gallon= 4 quarts=8 pints=16 cups=128oz