



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 23, 2017

J. Evelyn Lawson  
Federal Registration Specialist  
Clorox Professional Products Company  
c/o PS&RC; P.O. Box 493  
Pleasanton, CA 94566-0803

Subject: Notification per PRN 98-10 – Minor Label Changes  
Product Name: CLB I  
EPA Registration Number: 5813-114  
Application Date: January 27, 2017  
Decision Number: 526133

Dear Ms. Lawson:

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

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

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

If you have any questions, you may contact Donna Kamarei at (703)347-0443 or via email at [Kamarei.donna@epa.gov](mailto:Kamarei.donna@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "D. Fuller".

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

# CLB I

**KEEP OUT OF REACH OF CHILDREN  
DANGER: CORROSIVE.**

**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. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IN EITHER CASE, CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE.**  
See back panel for additional precautionary labeling.

**ACTIVE INGREDIENT:**

Sodium Hypochlorite ..... 6.05%

**OTHER INGREDIENTS:**..... 93.95%

**TOTAL:** ..... 100.00%

(Yields 5.75% available chlorine)

Contains no phosphorus

**NET CONTENTS** \_\_\_\_\_

## NOTIFICATION

5813-114

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

02/23/2017

## **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 -or- protective eyewear 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 -or- restroom. Avoid breathing vapors and use only in a well ventilated area. [Remove and wash contaminated clothing before reuse.]

[Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.]

#### **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:** Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

Call a poison control center or doctor immediately for further treatment advice. Have product container or label with you when calling a poison control center or doctor, or going for treatment. Clorox Information Line: 1-800-292-2200.

**PHYSICAL OR CHEMICAL HAZARDS:** Product contains a strong oxidizer. Always flush drains before and after use. **Do not use or mix with other [household] chemicals**, such as toilet bowl cleaners, rust removers, acids or products containing ammonia. To do so will release hazardous irritating gases. [Prolonged contact with metal may cause pitting or discoloration.]

#### ***For containers 5 gallons and greater:***

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not discharge effluent containing this product into lakes, streams, ponds, 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.

#### ***For use with 4 to 6 gallon buckets/containers as defined in the ASTM standard; see Child Hazard Drowning Pictogram text below:***

**NOTICE:** CHILDREN CAN FALL INTO BUCKET AND DROWN. KEEP CHILDREN AWAY FROM BUCKET WITH EVEN A SMALL AMOUNT OF WATER.



#### ***For containers less than 5 gallons:***

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish, aquatic invertebrates, oysters and shrimp.

#### ***(Household/Residential uses; 16 fl oz, 30 fl oz, 64 fl oz, 121 fl oz)***

**STORAGE AND DISPOSAL:** Store away from children. Reclose cap tightly after each use. Store this product upright in a cool, dry area, away from direct sunlight and heat to avoid deterioration. Do not contaminate food or feed by storage, disposal or cleaning of equipment. **PRODUCT**

**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. Recycle empty container or discard in trash.

***(Professional/Institutional uses - including labels intended for restaurants, medical facilities, daycare facilities; 121 fl oz):***

**STORAGE AND DISPOSAL:** Store away from children. Reclose cap tightly after each use. Store this product upright 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. Do not contaminate food or feed by storage, disposal or cleaning of equipment. **PRODUCT 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. [Triple rinse container (or equivalent) promptly after emptying.] Recycle empty container or discard in trash.

***(Professional/Institutional uses -For use with containers greater than 5 gallons):***

**STORAGE AND DISPOSAL:** Do not contaminate food or feed by storage and disposal of this product. **STORAGE:** Store away from children. Reclose cap tightly after each use. Store this product upright 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 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 according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the EPA Regional Office for guidance.

***(nonrefillable container)***

**CONTAINER HANDLING AND DISPOSAL:** Nonrefillable container. Do not re-use or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty remaining contents from this container into mix tank. Pressure rinse container thoroughly. Empty rinsate into mix tank for dilution before disposal into sanitary sewer. Repeat pressure rinse procedure two more times. Recycle empty container or discard in trash. Do not contaminate food or feed by storage and disposal of this product.

***(refillable container)***

**CONTAINER HANDLING AND DISPOSAL:** Refillable container. Refill container with this product only. Do not reuse 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, empty remaining contents from this container into mix tank. Pressure rinse container thoroughly. Empty rinsate into mix tank for dilution before disposal into sanitary sewer. Repeat pressure rinse procedure two more times. Recycle empty container or discard in trash. Do not contaminate food or feed by storage and disposal of this product.

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## Company Information

### Satisfaction Guaranteed

Satisfaction Guaranteed! At Clorox, we have prided ourselves in making consistent quality bleach for [over] 100 years, and we are dedicated to ensuring your total satisfaction with our product. If you are not completely satisfied, please call the number below.

### Clorox Customer Assistance (800) 292-2200

Any Questions? The experts at Clorox are standing by to answer any of your laundry or household cleaning questions.

“Clorox” is a registered trademark of The Clorox Company.  
Commercial Solutions is a registered trademark of The Clorox Company -or- Clorox Professional Products Company.  
Bottle shape is a registered trademark of the Clorox Company.

[Visit -or- Check [out] our website at] [www.clorox.com](http://www.clorox.com)  
[for more information] [on Clorox®] -or-  
Visit us at [www.clorox.com](http://www.clorox.com) -or- [www.cloroxhome.com](http://www.cloroxhome.com)  
For more product ingredient information, visit  
[www.IngredientsInside.com](http://www.IngredientsInside.com).

For SDS information, please visit ***insert website***.

Questions [?-or- or] Comments? or  
Call [Toll Free] (888) 797-7225 -or- (800) 227-1860 -or-  
1-800-292-2200 -or- ***insert toll free number***.

Write us at:

Clorox Consumer Services  
P.O. Box 24305  
Oakland, CA 94623

EPA Reg. No. 5813-114

EPA Est. No. 5813-CA-3 (A8), CA-6 (TPP), GA-1 (A4), GA-2 (VG),  
IL-12 (VF), MD-2 (E6), TX-1 (A5); 71681-IL-2 (03), IL-2 (24)

Beginning of batch code indicates Est. No.

U.S. Pat. Nos. 8,993,505 and 9,012,389

### ***For Puerto Rico only***

EPA Est. No. 5813-PR-1

Mfd. for & © YYYY The Clorox Company

1221 Broadway, Oakland, CA 94612

Made in [the] U.S.A. [of global components -or- ingredients]

### ***For Puerto Rico only***

Ave. Chardon, #350, Torre Chardon, Suite 325,] San Juan, PR 00918.

Made in Puerto Rico [of global components -or- ingredients]

## Packaging Related Statements and Graphics

### Closure Directions for Use:

***to be molded into the Child-Resistant Cap***

Squeeze -or- Press -or- Pinch -or- Push -or- Depress -or- Grasp -or- Force -or- Pressure -or- Crush [Sides] and -or- & Lift [Up] -or- Pull [Up] -or- Raise [Up] -or- Tilt [Up] -or- Pick Up -or- Elevate

-or-

Push -or- Thrust -or- Drive -or- Ram -or- Move -or- Force and -or- & Twist -or- Wind -or- Coil -or- Curl -or- Twirl -or- Bend -or- Rotate -or- Turn -or- Screw -or- Wrench

- [This product] will not cause damage to -or- is safe for septic and waste water systems [when used as directed.]



See how to use -or- [[Use your phone to] go here -and/or- scan [[the] tag -or- [this] code] to learn -or- get -or- see [more] uses -or- information [on how-to-use [***This Product***]] -or- [how-to] tips -or- [how-to [-use]] videos] -or- Scan here [to learn how to use] -or- [to learn more] -or- [for simple -or- easy instructions] [(Data rates may apply)]



**For carton:** Carton made with \_\_% recycled paperboard, minimum \_\_% post-consumer. -or- This packaging material contains at least \_\_% post-consumer recycled paper.



## DIRECTIONS FOR USE

[WHERE TO USE: -or- WHERE DO I USE ***THIS PRODUCT?***]

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

[DO NOT use this product full strength for cleaning surfaces. Always dilute strictly in accordance with the directions. For prolonged use, wear gloves.]

[Always refer to manufacturer's care instructions before using on equipment -or- devices.]

***All directions may be written in numbered form or in paragraph form.***

[Use the Dilution Table to make the desired dilution]. [Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved.]

[This product can be used on hard, nonporous surfaces in commercial -and/or- institutional -and/or- hospital -and/or- household premises (including kitchens -and/or- bathrooms -and/or- nurseries -and/or- sick rooms -and/or- laundry rooms) -and/or- eating establishments -and/or- pet kennels -and/or- veterinary premises.]

***This statement only to be used on institutional labels with medical use sites and/or bloodborne pathogens.***

***This product*** is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semicritical medical devices prior to sterilization or high level disinfection.

	[Amount [of]] this product -or- bleach	[Amount [of]] water	Instructions
<b>[For] Laundry [Use] [Bleaching -and/or- Brightening -and/or- Whitening -and/or- Stain Removal] -or- [To Bleach -and/or- Brighten -and/or- Whiten -and/or- Remove Stains]</b>			
Bleachable Fabrics	1/2 cup [4 oz] or Max[imum] line -or- level [in dispenser]	Standard [Machine] or HE -or- High Efficiency Machine	[1.] Sort laundry by color. [2.] Add detergent. [3.] Fill bleach to max[imum] line -or- level [in dispenser] -and/or- add [1/2 cup -or- measured [amount of]] bleach to [dispenser or] wash water. [Ensure contact with bleach [solution] for 10 min[utes].] [4.] Add clothes [and start wash].
	[1 cup] [8 oz]	[Extra Large Washer -or- Heavily Stained -or- Soiled Load]	[For best results[, dilute bleach with a quart of water and] add to wash 5 min[utes] after the wash cycle has begun.] Ensure contact with bleach [solution] for 10 min[utes]. [Avoid bleaching wool, silk, mohair, leather, spandex and non-fast colors.]
<b>[For] Sanitizing -or- To Sanitize <i>food contact surfaces</i></b>			
Food contact [Work] Surfaces	2 tsp [1/3 oz]	1 Gal[lon]	Wash, rinse, wipe surface area with bleach solution for [at least] 2 min[utes], let air dry. -or- To sanitize work surfaces, wash, rinse and wipe surface area with a solution of 2 teaspoons of bleach per 1 gallon of water for [at least] 2 min[utes]. Let air dry.
Dishes, Glassware, Utensils	2 tsp [1/3 oz]	1 Gal[lon]	Wash and rinse. [After washing,] soak for [at least] 2 min[utes] in bleach solution, [drain] and [let] air dry. -or- To sanitize dishes, glassware, and utensils, wash and rinse. [After washing,] soak for [at least] 2 min[utes] in a solution of 2 teaspoons of bleach per 1 gallon of water, [drain] and air dry.

	<b>[Amount [of]] this product -or- bleach</b>	<b>[Amount [of]] water</b>	<b>Instructions</b>
<b>[For] Sanitizing -or- To Sanitize <i>food contact surfaces continued</i></b>			
Plastic Cutting Boards	2 tsp [1/3 oz]	1 Gal[lon]	Wash and rinse. [After washing,] soak for [at least] 2 min[utes] in bleach solution, let air dry.
Baby Bottles	2 tsp [1/3 oz]	1 Gal[lon]	Wash and rinse. [After washing,] soak for [at least] 2 min[utes] in bleach solution, let air dry.
Pet [Food -and/or- Water] Bowls	2 tsp [1/3 oz]	1 Gal[lon]	Wash and rinse. [After washing,] soak for [at least] 2 min[utes] in bleach solution, let air dry.
Refrigerators, Freezers	2 tsp [1/3 oz]	1 Gal[lon]	Remove food [from refrigerator -and/or- freezer]. Wash, rinse, wipe surface area with bleach solution for [at least] 2 min[utes]. Let air dry.
<b>[For] Sanitizing -or- To Sanitize <i>non-food contact surfaces</i></b>			
Garbage Cans -and/or- Diaper Pails	1/2 cup [4 oz]	3/4 Gal[lon]	After washing and rinsing, brush inside with bleach solution. Let stand for 2 min[utes] before rinsing.
<b>[For] [Laundry, Cleaning and] Sanitizing -or- To [Clean and] Sanitize [Laundry]</b>			
Laundry -or- Bleachable Fabrics	2/3 cup [5.3 oz]  1/3 cup [2.7 oz]	Standard Machine  HE -or- High Efficiency Machine	[1.] Sort laundry by color. [2.] Add detergent. [3.] Fill bleach to max[imum] line -or- level [in dispenser] -and/or- add [measured [amount of]] bleach to [dispenser or] wash water. [4.] Add clothes [and start wash]. <b>[5.] Ensure contact with bleach [solution] for 10 min[utes].</b>  [Avoid bleaching wool, silk, mohair, leather, spandex and non-fast colors. <b>[Use [with] a detergent.]</b> ]
<b>[For] Disinfecting [&amp; Deodorizing] -or- To Disinfect [&amp; Deodorize] <i>Hard, Nonporous Surfaces</i></b>			
<b><i>Insert relevant use site(s) from List 5</i></b>			
[To Kill -or- Kills -or- For [99.9% of] [[these] common household germs]:] <b><i>Insert relevant organisms from List 2A</i></b>	1/2 cup [4 oz]	1 Gal[lon]	[Pre-]wash surface, [mop or] wipe with bleach solution[. Allow solution to contact surface] for [at least] 5 min[utes]. Rinse well and air dry.  -or-
[To [Also] Kill -or- [Also] Kills -or- For [99.9% of] [[these] additional organisms -or- bacteria -and/ or- viruses -and/or- fungi]] -or- For <b><i>insert relevant organisms from List 2B</i></b>	1/2 cup [4 oz]	3/4 Gal[lon]	To disinfect <b>[insert relevant use site(s) from List 5]</b> , pre-wash surface, then mop -or- wipe with a bleach solution. Allow solution to contact surface for [at least] 5 min[utes]. Rinse well and air dry.  <b><i>Include the following statement if any of the organisms are listed on the label:</i></b> Canine parvovirus and Feline panleukopenia virus -or- feline parvovirus let stand for -or- contact time is 10 min[utes].
Toilet Bowl	1/2 cup [4 oz]	Toilet Bowl	Flush toilet. Pour this product into bowl. Brush bowl, making sure to get under the rim, let solution stand for 5 min[utes] flush again.  -or- To disinfect a toilet bowl, flush the toilet. Pour 1/2 cup of bleach into the bowl. Brush bowl, making sure to get under the rim, let solution stand for 5 min[utes] and flush again.

	<b>[Amount [of]] this product -or- bleach</b>	<b>[Amount [of]] water</b>	<b>Instructions</b>
<b>[For] Mold [Stain] and Mildew [Stain] Removal -or- To Remove Mold and Mildew [Stains]</b>			
Hard, nonporous Surfaces	3/4 cup [6 oz]	1 Gal[lon]	[Pre-]wash surface [and] wipe with bleach solution[. Allow solution to contact surface] for at least 10 min[utes]. Rinse well and air dry.
<b>[For] Deodorizing -or- To Deodorize</b>			
Garbage Cans -and/or- Diaper Pails	1/2 cup [4 oz]	1 Gal[lon]	After washing and rinsing, brush inside with bleach solution. Let drain.
Drains	1/2 cup [4 oz]	—	Flush drains. Pour into drain. Flush with hot water.
<b>[For] Bleaching -and/or- Whitening -or- To Bleach -and/or- Whiten</b>			
Wooden Surfaces	1/2 cup [4 oz]	3/4 Gal[lon]	Apply for [at least] 2 min[utes], rinse [and air dry].
<b>[For] Killing Clostridium difficile<sup>Y</sup> [(C. diff)] [spores]:</b>			
For Killing Clostridium difficile <sup>Y</sup> [(C. diff)] [spores]:	1 part	6 parts	Clean hard, nonporous surfaces by removing gross filth [(loose dirt, debris, blood/bodily fluids, etc.)]. Apply 1:7 solution (~8200 ppm available chlorine) and let stand for 5 min[utes]. Rinse and air dry. Prepare fresh solution daily.
<b>[For] Killing TB -or- To Kill TB -or- To Kill Mycobacterium bovis [(BCG)], (TB)</b>			
[For] Killing TB -or- To Kill TB -or- To Kill Mycobacterium bovis [(BCG)], (TB)	1 part	7 parts	Preclean surface prior to disinfection. Add 1 part bleach to 7 parts water to achieve a 1:8 dilution (7200 ppm available chlorine) before use. Apply 1:8 solution and let stand for 10 min[utes] at room temperature (19° C -or- 66.2°F) -or- (18 to 20° C -or- 64.4°F to 68°F). Rinse and air dry. Prepare fresh solution daily.
<b>[For] Hospital -and/or- Healthcare Use -or- Disinfection: -or- To Kill Pseudomonas aeruginosa:</b>			
	Use 1/2 cup of this product per gal[lon] of water. [Pre]wash surface -or- item, then apply disinfecting -or- bleach solution. Let stand 5 min[utes]. Rinse [thoroughly -or- well] and air dry. -or- Follow Disinfection Directions for use.		

[For additional directions for use, including Service Bulletins, visit [www.Insert Website.com](http://www.Insert Website.com)]. **Note to reviewer: only approved language from the most recently approved federal master label will be posted to the website.**

For more tips -and/or- uses, visit [www.Insert Website.com](http://www.Insert Website.com) **Note to reviewer: only approved uses from most recently approved federal master label will be posted to the website.**

<b>DILUTION TABLE: PPM</b> (Parts Per Million Available Chlorine). Degrades with age and exposure to sunlight and heat. Check the level of available chlorine with a test kit.		
1/3 oz this product (2 tsp)	+ 1 Gallon Water	= 150 ppm
[(Equivalent performance to 200 ppm [[test] standard] for food contact surface sanitization)]		
4 oz this product (1/2 cup)	+ 1 Gallon Water	= 1800 ppm
4 oz this product (1/2 cup)	+ 3/4 Gallon Water	= 2300 ppm

### Laundry Use:

-or- For Laundry: -or- For Bleachable Fabrics:

[For] Standard & HE -or- High Efficiency Machines

[If uncertain about the dye colorfastness, test fabric by applying 1 drop of a solution made of 2 teaspoons of this product plus 1/4 cup water to hidden part of seam. Be sure to check all colors. After 1 min[ute], rinse and blot dry. No color change means the article can be safely bleached.]

[Avoid bleaching wool, silk, mohair, leather, spandex and non-fast colors.]

### Whitening -and/or- Stain Removal:

[Whitening -and/or- Brightening -and/or- Stain Removal:]		
Dose -or- Load	Standard [Machine]	HE -or- High Efficiency [Machine]
Normal -or- Regular	1/2 cup	Max[imum] line -or- level [in dispenser]
Heavy -or- Heavily Soiled -and/or- Stained	1 cup	Max[imum] line -or- level [in dispenser]

1. Sort laundry by color.
2. Add detergent.
3. Fill bleach to max[imum] line -or- level [in dispenser] -and/or- add [measured [amount of]] bleach to [dispenser or] wash water.
4. Add clothes[, and start wash].

[For best [laundry] results, [dilute measured [amount of] of this product in 1 quart of water.] Add to wash 5 min[utes] after the wash cycle has begun.]

[To handwash, pretreat stains and clean heavy soils, rinse to remove loose soil and fully soak each garment for 5 min[utes] in a solution of 1/4 cup of this product to 1 gallon of cool water. Rinse and perform a regular wash following the laundry use directions.]

[For HE Machines, follow HE machine usage instructions.]

### Sanitization:

To sanitize laundry: Add 2/3 cup of this product to a standard washer or 1/3 cup to an HE -or- High Efficiency washer following the laundry use directions.

-or-

To kill 99.9% of bacteria -or- ***insert organisms from List 1*** in your laundry: Add 2/3 cup of this product to a standard washer or 1/3 cup to an HE -or- High Efficiency washer following the laundry use directions.

-or-

**FOR USE WITH *Insert Dispenser Name* APPROVED DISPENSING SYSTEM. Installation and service should only be performed by a *Company Name* Laundry Expert.**

**To Sanitize Laundry:** Add enough of this product to reach 160 ppm (parts per million) available chlorine. [Use the Dilution Table to make the desired dilution]. [Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved.] Use a detergent. This product used according to the laundry use directions is effective against Staphylococcus aureus, Pseudomonas aeruginosa, Klebsiella pneumoniae, and Methicillin Resistant Staphylococcus aureus [(MRSA)].

## Laundry Use: continued

### High Efficiency Washing Machine Maintenance:

[HE] Washing machine manufacturers suggest that you must perform periodic machine maintenance up to once per week, to ensure that your HE washer remains clean and free from any soil build-ups that may cause malodors.

-or-

[HE] [Washing machine] manufacturers suggest [that] a periodic machine maintenance is performed [up to once per week] to prevent [soil build-ups that may cause] malodors. Some HE washers offer a special maintenance [or wash-out -or- clean washer] cycle. Check [the use and care guide] to see if your machine has one. If it does, follow the manufacturer's suggestions.

-or-

If your HE washer has a maintenance [or wash-out -or- clean washer] cycle, follow the manufacturer's recommendations. If your HE washer doesn't have a [-or- an automated] maintenance cycle, you may perform this function manually:

[[Note:] Do not put laundry in the washer.]

1. Select the hot water setting. [If there is no hot water setting, then select a "white" or a "stain" cycle setting.]
2. Select the "extra rinse" option[, if offered].
3. Add this product to the bleach dispenser. Fill to its -or- the maximum level.
4. Run the cycle [through [its] completion].
5. If the HE washer does not have a second rinse option, manually select an additional rinse cycle to ensure that no bleach remains in your -or- the washer.
6. If your -or- the HE washer still has unpleasant odors, [you may need to] repeat steps 1 through 5 [as necessary].

-or-

1. Use hot water.
2. Select "extra rinse" option.
3. Add this product to the bleach dispenser. Fill to its -or- the maximum level.
4. Run the cycle.
5. Follow with extra rinse [to ensure that no bleach remains [in your washer] -or- is left behind].
6. Repeat steps 1-5 [as necessary] [if your [HE] machine still has unpleasant odors].

## Household/Commercial/Institutional Use:

[DO NOT USE ON NON-STAINLESS STEEL, ALUMINUM, 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.

For Use on Hard, Nonporous Surfaces -or- ***insert items from List 5: Hard, Nonporous Use Sites***

### Disinfection Directions for Use:

#### [For] Disinfecting:

-or-

To disinfect hard, nonporous surfaces -or- ***insert items from List 5: Hard, Nonporous Use Sites***:

Use 1/2 cup of this product per 1 -or- 3/4 gallon of water. [Pre]wash surface -or- item, then apply disinfecting -or- bleach solution. Let stand 5 min[utes]. Rinse [thoroughly -or- well] and air dry.

-or-

1. [Pre]wash surface -or- item.
2. Mix 1/2 cup this product -or- bleach per 1 -or- 3/4 gallon water.
3. Apply, let stand 5 min.
4. Rinse, [and] air dry.

[For] Toilet Bowls -and/or- bidets:

Flush toilet -and/or- Bidet. Pour 1/2 cup of this product into bowl. Brush entire bowl including rim with a scrub brush or mop. Let stand 5 min[utes] before flushing again.

[For] Potty Seats -or- Trainers:

Empty seat. Fill with 1/2 cup of this product per gallon of water. Let stand 5 min[utes]. Rinse and air dry.

[For] Litter Boxes:

Remove litter. Wash box in soap and water. Fill with 1/2 cup of this product per gallon of water. Let stand 5 min[utes]. Rinse and air dry.

[For Feline Parvovirus or Canine Parvovirus use 1/2 cup of this product per 3/4 gallon of water. Let stand for 10 min[utes].]

[For] Mold and Mildew:

Use 3/4 cup of this product per 1 gallon of water. Wash, wipe, or rinse items with water, then apply disinfecting -or- bleach solution. Let stand 10 min[utes]. Rinse and air dry.

### ¥SPECIAL LABEL INSTRUCTIONS FOR CLEANING PRIOR TO DISINFECTION AGAINST CLOSTRIDIUM DIFFICILE ENDOSPORES

**Personal Protection:** Wear appropriate barrier protection such as gloves, gowns, masks and eye covering.

**Cleaning Procedure:** Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with clean cloth, mop, and/or sponge saturated with product intended for disinfection. Cleaning includes vigorous wiping and/or scrubbing, until visible soil is removed. Special attention is needed for high-touch surfaces. Clean the surfaces in patient rooms in an appropriate manner [(for example right to left)], with restrooms cleaned last. Do not reuse soiled cloths. **Infectious Materials Disposal:** Cleaning materials used that may contain feces/wastes must be disposed of immediately in accordance with local regulations for infectious materials disposal.

### [FOR] KILLING CLOSTRIDIUM DIFFICILE¥ [SPORES]:

Add 1 part bleach to 6 parts water to achieve a 1:7 dilution (~8200 ppm available chlorine) before use. Clean hard, nonporous surfaces by removing gross filth [loose dirt, debris, blood/bodily fluids, etc.]. Apply 1:7 solution and let stand for 5 min[utes]. Rinse and air dry. Prepare fresh solution daily. [Avoid contact with surfaces that may be damaged by bleach.] Do not use on non-stainless steel, aluminum, silver, or chipped enamel.

### [FOR] KILLING TB -OR- TO KILL TB -OR- TO KILL MYCOBACTERIUM BOVIS [(BCG)], (TB) -OR- TUBERCULOCIDAL EFFICACY:

Preclean surface prior to disinfection. Add 1 part bleach to 7 parts water to achieve a 1:8 dilution (7200 ppm available chlorine) before use. Apply 1:8 solution and let stand for 10 min[utes] at room temperature (19° C -or- 66.2°F) -or- (18 to 20° C -or- 64.4°F to 68°F). Rinse and air dry. Prepare fresh solution daily.

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## **SPECIAL INSTRUCTIONS TO CLEAN AND DECONTAMINATE AGAINST HIV, HBV, AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS**

This product kills HIV-1, HBV, and HCV on precleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings (e.g. hospitals, nursing homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), [Human] Hepatitis B Virus (HBV), and [Human] Hepatitis C Virus (HCV).

**Personal Protection:** When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings.

**Cleaning Procedure:** Blood and other body fluids must be thoroughly cleaned from surfaces and other objects before applying this product.

**Dilution and Contact time:** Prepare a solution of 1/2 cup in 1 gallon of water (at least 1800 ppm available chlorine) and spray or flood surface; let stand 5 min[utes].

**Disposal of infectious materials:** Use disposable latex gloves, gowns, masks, and eye coverings. Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

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### **Sanitization Directions for Use:**

**[For] Sanitizing:**

**Food Contact Surfaces:**

-or-

To sanitize (*insert item from List 6: Food Contact Sanitization Use Sites*):

Use 2 tsp -or- teaspoons of this product per gallon of water to prepare a 150 ppm available chlorine solution [(equivalent performance to 200 ppm [[test] standard])]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved. Wash, wipe, or rinse items with detergent and water, then apply sanitizing -or- bleach solution. Let stand 2 min[utes]. Air dry.

**Surfaces:**

-or-

To sanitize (*insert item from List 5: Hard, Nonporous Use Sites*):

Use 1/2 cup of this product per 3/4 gallon of water. Wash, wipe, or rinse items with detergent and water, then apply sanitizing -or- bleach solution. Let stand 2 min[utes]. Air dry.

**Fruit & Vegetable Washing (*commercial use only*):**

Thoroughly clean all fruits and vegetables. Mix 1/2 teaspoon of this product in 1 gallon of water to make a sanitizing solution of 25 ppm available chlorine. Submerge fruit or vegetables in this sanitizing solution for 2 min[utes]. [Rinse with water, and air dry.]

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## **Hospital Use:**

**[For] Hospital -and/or- Healthcare Use -or- Disinfection:**

-or-

**To Kill *Pseudomonas aeruginosa*:**

Use 1/2 cup of this product per 1 gallon of water. [Pre]wash surface -or- item, then apply disinfecting -or- bleach solution. Let stand 5 min[utes].

Rinse [thoroughly -or- well] and air dry. -or- Follow Disinfection Directions for use.



## CONSUMER USES HOUSEHOLD [HINTS -or- USES]

### Clean Flower 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 min[utes] in a solution of 1/2 cup of this product to 3/4 gallon of water, then rinse.

### Cold & Flu: [[To] Prevent the Spread of Cold & Flu Viruses††7 -or- [To] Kill [the] Flu Virus† [on treated Hard, Nonporous Surfaces]:]

This product kills [99.9% of] common household germs to help prevent the spread of germs in high traffic areas and children's items. Disinfect cribs, high chairs, and washable colorfast hard, nonporous toys quickly and easily with this product: Wash, wipe or rinse items with water. -or- Prewash items[.] [then] disinfect with a solution of 1/2 cup of this product per 1 gallon -or- 3/4 gallon of water. Let stand 5 min[utes]. Rinse thoroughly and air dry.

### 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 1/2 cup of this product per gallon of water. Let solution stand 5 min[utes] before rinsing thoroughly.

### Disinfecting Baby Furniture and Hard, Nonporous Toys -or- Hard, Nonporous Kid's Toys:

Painted and enameled cribs, changing tables and high chairs, plastic mattress covers and bumpers, and washable colorfast hard, nonporous toys are disinfected quickly and easily with this product. Plus, this product kills [99.9% of] common household germs, including those that cause odors. This product leaves baby's room clean and fresh smelling. Disinfect with a solution of 1/2 cup product in 1 gallon -or- 3/4 gallon of water. Let stand 5 min[utes]. Rinse and allow to [air] dry. -or- For washable colorfast hard, nonporous toys, disinfect with a solution of 1/2 cup bleach in 1 gallon -or- 3/4 gallon of water. Let stand 5 min[utes]. Rinse and allow to [air] dry.

### Disinfect Pet Areas -and/or- Nonporous Toys -and/or- Accessories

This product can disinfect your pet areas -and/or- nonporous toys -and/or- accessories. Disinfect with a solution of 1/2 cup product in 3/4 gallon of water. [Pre-]wash surface, soak or wipe with bleach solution[. Allow solution to contact surface] for at least 5 min[utes]. Rinse well and air dry. For Feline Parvovirus -and/or- Canine Parvovirus allow solution to contact surface for 10 min[utes].

### Eliminating Garbage Can -and/or- Diaper Pail Odors:

This product can deodorize and sanitize your garbage cans -and/or- diaper pail by eliminating the bacteria that cause odors. Wash garbage cans -and/or- diaper pail with soapy water and rinse. Then to deodorize and sanitize, swish a solution of 1/2 cup of this product per 3/4 gallon of water over the inside of the can. Let the solution stand 2 min[utes] before rinsing.

### Eliminating Refrigerator Odors:

This product kills odor causing bacteria and leaves your refrigerator smelling fresh and clean. Use it inside and out. Remove food before using this product. Wash surfaces with a solution of 1/2 cup of this product per gallon of water. Let stand 5 min[utes]. Rinse and then air dry interior surfaces a few min[utes] 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 2 tsp product per 1/2 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 1/4 teaspoon of this product to each quart of cold water. This product can also be used to remove flower vase stains and odors. Wash the vase thoroughly and then fill with a solution of 1/2 cup bleach to (1) gallon water. Let stand 5 min[utes] before rinsing.

### Keep Wading Pools Sanitary:

As a general rule, use 1/8 cup per 100 gallons of water. For example, an 8-foot diameter pool holding 1 foot of water would require 1/2 cup of this product. To chlorinate, mix required amount of bleach with 2 gallons of water and scatter over surface of empty pool. Fill remainder of pool with water. Empty small pools daily.

### Kitchen and Bathroom:

Clean, disinfect and deodorize sinks, countertops, bathtubs, showers, floors, vinyl and glazed tile.

- 1) Wash, wipe or rinse items with water.
- 2) Apply disinfecting solution of 1/2 cup of this product per 1 gallon -or- 3/4 gallon of water.
- 3) Let stand 5 min[utes] before rinsing.
- 4) Rinse thoroughly and air dry.



### **Removing Exterior Mold Stains:**

Mold stains on colorfast exterior surfaces of your home, like siding, tile roofs, sealed brick, stucco and patio stone can be easily removed using this product. First, hose surfaces to remove loose soil. Then apply a solution of 3/4 cup of this product -or- bleach per 1 gallon of water to wet surfaces. Reapply the solution as needed to keep the area wet for 10 min[utes]. Rinse thoroughly to remove residue. [Avoid applying solution in direct sunlight or to unfinished wood.] Rinse quickly and thoroughly if solution comes in contact with aluminum 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 3/4 cup of this product to 1 gallon of warm water. Keep surface wet 10 min[utes]; then rinse thoroughly and wipe dry. Repeat, if necessary, on heavily soiled surfaces.

### **Removing Patio Moss and Mildew Stains:**

Protect nearby plants and grass by watering area 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 3/4 cup of this product to 1 gallon of water. Reapply the solution as needed to keep the area wet for 10 min[utes]. Brush as needed to remove moss and then rinse thoroughly. [Do not use on painted wood.] Avoid excessive runoff near plants.

### **Sanitize and Remove Stains from Kitchenware:**

Tough stains can be removed from china, dinnerware, dishes, plastic and glassware with this product. Plus, this product sanitizes as it cleans. Wash items thoroughly as you normally would. Then soak for 2 min[utes] in a solution of 2 tsp 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 tsp of this product -or- bleach per gallon of water. Let stand 2 min[utes], drain and air dry.

### **Sanitizing Baby Items:**

Baby bottles, nipples and dishes can be easily sanitized using this product. Soak washed items for 2 min[utes] in a solution of 2 tsp of this product per gallon of water. Pour solution through nipples; then drain dry.

### **Spring Cleaning: [[For] Eliminating Bacteria that Cause Household Odors:]**

Sanitize and deodorize common household items, such as sinks, garbage cans, diaper pails and refrigerators by eliminating the bacteria that cause odors.

#### **Sinks:**

Wash, wipe or rinse items with water. Apply solution of 1/2 cup of this product per 3/4 gallon of water. Let stand 2 min[utes] before rinsing. Rinse thoroughly and air dry.

#### **Garbage cans -and/or- Diaper pails:**

Wash garbage cans -and/or- diaper pails with soapy water and rinse. Swish a solution of 1/2 cup of this product per 3/4 gallon of water over the inside of the can. Let the solution stand 2 min[utes] before rinsing.

#### **Refrigerators:**

Remove food before using this product. Wash surfaces with a solution of 2 tsp of this product per gallon of water. Let stand 2 min[utes]. Rinse thoroughly and then air dry interior surfaces a few min[utes] before replacing food.

### **Toilet Bowls:**

Disinfect and deodorize your toilet.

- 1) Flush toilet.
- 2) Pour 1/2 cup of this product into bowl.
- 3) Brush entire bowl, including rim, with a scrub brush or mop.
- 4) Let stand 5 min[utes] before flushing again.

<b>List 1: Laundry Sanitization Organisms</b>	
<b>Bacteria</b>	<b>ATCC and/or Strain</b>
Klebsiella pneumoniae	[ATCC 4352]
Methicillin Resistant Staphylococcus aureus [(MRSA)]	[ATCC 33592]
Pseudomonas aeruginosa	[ATCC 15442]
Staphylococcus aureus [(Staph)]	[ATCC 6538]
<b>List 2A: Hard, Nonporous Surface Disinfection Organisms</b> <b>[Organisms for] [1/2 cup per [1] gallon water dilution -or- dosing [organism list]] (5 min[utes] contact time)</b>	
<b>Bacteria</b>	<b>ATCC and/or Strain</b>
Bordetella pertussis	[ATCC 12743]
Campylobacter jejuni	[ATCC 29428]
Carbapenem Resistant Escherichia coli	[CDC 81371]
Enterococcus faecalis	[ATCC 29212]
Escherichia coli O157:H7 [(E. coli)]	[ATCC 35150]
Haemophilus influenzae	[ATCC 10211]
Klebsiella oxytoca	[ATCC 13182]
Legionella pneumophila	[ATCC 33153]
Listeria monocytogenes	[ATCC 19117]
Multi-drug Resistant Enterococcus faecium <sup>o</sup>	[ATCC 51559]
New Delhi Metallo-Beta Lactamase-1 (NDM-1) producing Enterobacter cloacae	[CDC 1000654]
New Delhi Metallo-Beta Lactamase-1 (NDM-1) producing Escherichia coli	[CDC 1001728]
Penicillin resistant Streptococcus pneumoniae	[ATCC 700677]
Proteus mirabilis	[ATCC 9240]
Salmonella enterica [(Salmonella)]	[ATCC 10708]
Serratia marcescens	[ATCC 14756]
Staphylococcus aureus [(Staph)]	[ATCC 6538]
Staphylococcus epidermidis [(Coagulase-negative staphylococci)]	[ATCC 12228]
Streptococcus pyogenes [(Strep)]	[ATCC 19615]
Pseudomonas aeruginosa	[ATCC 15442]
Vibrio cholerae	[ATCC 11623]
Yersinia enterocolitica	[ATCC 23715]

<b>[Organisms for] [1/2 cup per [1] gallon water dilution -or- dosing [organism list]] (5 min[utes] contact time)</b>	
<b>Fungus</b>	<b><i>ATCC and/or Strain</i></b>
Trichophyton mentagrophytes [(Athlete's Foot fungus)]	[ATCC 9533]
<b>Viruses Enveloped</b>	<b><i>ATCC and/or Strain</i></b>
‡2009-H1N1 Influenza A virus [(Novel H1N1)] [(a cause of the flu)]	[Strain A/Mexico/4108/2009 CDC #2009712192]
‡Avian Influenza A virus [(H3N2)] [(a cause of the flu)]	[Strain A/Washington/897/80 X A/Mallard/New York/6750/78] [ATCC VR-2072]
‡Cytomegalovirus	[Strain AD-169] [ATCC VR-538]
‡Hantavirus	[(Prospect Hill virus)]
‡Herpes Simplex virus type 1	[ATCC VR-733] [Strain F(1)]
‡Human Coronavirus [(a cause of the common cold)]	[Strain 229E] [ATCC VR-740]
‡. ‡Human Hepatitis B virus (as duck HBV) [(HBV)]	
‡. ‡Human Hepatitis C Virus (as bovine viral diarrhea virus) [(HCV)]	
‡. ‡Human Immunodeficiency Virus Type 1 [(HIV-1)]	[(Strain HTLV-IIIB)]
‡Influenza A virus [Influenza A2] [Flu Virus] [(a cause of the flu)]	[ATCC VR-544, Strain Hong Kong]
‡Influenza B virus [(a cause of the flu)]	[Strain B/Hong Kong/5/72] [ATCC VR-823]
‡Measles Virus	[ATCC VR-24]
‡Newcastle disease virus	[ATCC VR-108] [Strain B1, Hitchner or Blacksburg]
‡Parainfluenza virus [(type 3)]	[(Strain C243)] [ATCC VR-93]
‡Rubella virus [(German Measles virus)]	[Strain M-33] [ATCC VR-315]
‡SARS-associated Coronavirus	[CDC strain 200300592]
‡Varicella Zoster Virus	[ATCC VR-1367]
<b>Virus Small Non-enveloped</b>	<b><i>ATCC and/or Strain</i></b>
‡Rhinovirus type 37 [(a [common] cause of the common cold)]	[ATCC VR-1147, Strain 151-1]

<b>List 2B: Hard, Nonporous Surface Disinfection Organisms</b> <b>[Organisms for] [1/2 cup per 3/4 gallon water dilution -or- dosing [organism list]] (5 min[utes] contact time unless noted)</b>	
<b>Bacteria</b>	<b>ATCC and/or Strain</b>
Acinetobacter baumannii	[ATCC 19606]
Community Acquired Methicillin Resistant Staphylococcus aureus [(CA-MRSA)]	[NARSA NRS123] [(Genotype USA400)]
Escherichia coli O157:H7 [(E. coli)]	[ATCC 35150]
Extended Spectrum Beta Lactamase producing Escherichia coli [(ESBL producing E. coli)]	[ATCC BAA-196]
Legionella pneumophila	[ATCC 33153]
Methicillin resistant Staphylococcus aureus [(MRSA)]	[ATCC 33592]
Pseudomonas aeruginosa	[ATCC 15442]
Salmonella enterica [(Salmonella)]	[ATCC 10708]
Shigella dysenteriae	[ATCC 11835]
Staphylococcus aureus [(Staph)]	[ATCC 6538]
Streptococcus pneumoniae [(Strep)]	[ATCC 6305]
Streptococcus pyogenes [(Strep)]	[ATCC 19615]
Vancomycin Resistant Enterococcus faecalis [(VRE)]	[ATCC 51575]
Yersinia enterocolitica	[ATCC 23715]
<b>Spore-forming Bacterium (1 part bleach + 6 parts water)</b>	<b>ATCC and/or Strain</b>
Clostridium difficile ¥ [(C. diff¥)] spore	[ATCC 43598]
<b>Mycobacterium (1 part bleach + 7 parts water)</b>	<b>ATCC and/or Strain</b>
Mycobacterium bovis [(BCG)] (Tuberculosis -or- TB) <sup>†, 1</sup>	
<b>Mold, Mildew, Fungi</b>	<b>ATCC and/or Strain</b>
Aspergillus brasiliensis [(mildew)] <sup>5†</sup> (3/4 cup per 1 gallon water dilution)	[ATCC 16404]
Candida albicans	[ATCC 10231]
Trichophyton mentagrophytes [(Athlete's Foot fungus)]	[ATCC 9533]
<b>Viruses Enveloped</b>	<b>ATCC and/or Strain</b>
‡2009-H1N1 Influenza A virus [(Novel H1N1)] [(a cause of the flu)]	[Strain A/Mexico/4108/2009 CDC #2009712192]
‡Avian Influenza A virus [(H3N2)] [(a cause of the flu)]	[Strain A/Washington/897/80 X A/Mallard/New York/6750/78] [ATCC VR-2072]
‡Cytomegalovirus	[Strain AD-169] [ATCC VR-538]
‡Herpes Simplex virus type 2	[(Strain G)] [ATCC VR-734]
‡Human Coronavirus [(a cause of the common cold)]	[Strain 229E] [ATCC VR-740]
‡. ‡Human Hepatitis B virus (as duck HBV) [(HBV)]	
‡. ‡Human Hepatitis C Virus (as bovine viral diarrhea virus) [(HCV)]	
‡. ‡Human Immunodeficiency Virus Type 1 [(HIV-1)]	[(Strain HTLV-IIIB)]
‡Influenza A virus [Influenza A2] [Flu Virus] [(a cause of the flu)]	[ATCC VR-544, Strain Hong Kong]
‡Influenza B virus [(a cause of the flu)]	[Strain B/Hong Kong/5/72] [ATCC VR-823]
‡Measles Virus	[ATCC VR-24]
‡Parainfluenza virus [(type 3)]	[(Strain C243)] [ATCC VR-93]
‡Respiratory Syncytial virus [(RSV)]	[(Strain Long)] [ATCC VR-26]
‡Rubella virus [(German Measles virus)]	[Strain M-33] [ATCC VR-315]
‡Varicella Zoster Virus	[ATCC VR-1367]

<b>[Organisms for] [1/2 cup per 3/4 gallon water dilution -or- dosing [organism list]] (5 min[utes] contact time unless noted)</b>	
<b>Viruses Large Non-Enveloped</b>	<b>ATCC and/or Strain</b>
‡Adenovirus [type 2] [(causes colds)]	[Strain Adenoid 6] [ATCC VR-846]
‡Rotavirus	[Strain WA]
<b>Viruses Small Non-Enveloped</b>	<b>ATCC and/or Strain</b>
‡Canine Parvovirus <sup>1</sup>	[Strain Cornell] [ATCC VR-2017]
‡Enterovirus EV-D68	[ATCC VR-561]
‡Feline Calicivirus (as surrogate for Norovirus -or- Norwalk Virus)	[ATCC VR-782]
‡Feline Parvovirus <sup>1</sup> (Feline panleukopenia virus)	[ATCC VR-648]
‡Hepatitis Type A virus [(HAV)]	[Strain HM-175]
‡Murine Norovirus †(as surrogate for Norovirus -or- Norwalk Virus)†	[Strain MNV-1.CW1]
‡Poliovirus [type 1]	[Strain Chat] [ATCC VR-1562]
‡Rhinovirus type 37 [(a [common] cause of the common cold)]	[ATCC VR-1147, Strain 151-1]
<b>List 3: Food Contact Sanitization Organisms</b>	
<b>2 min[ute] contact time</b>	
<b>Bacteria</b>	<b>ATCC and/or Strain</b>
Yersinia enterocolitica	[ATCC 23715]
Salmonella enterica [serovar Typhi]	[ATCC 6539]
<b>List 4: Non-Food Contact Sanitization Organisms</b>	
<b>10 min[ute] contact time</b>	
<b>Bacteria</b>	<b>ATCC and/or Strain</b>
Klebsiella pneumoniae	[ATCC 4352]
Staphylococcus aureus	[ATCC 6538]

## Use Sites and Surfaces:

### List 5: Hard, Nonporous Use Surfaces

#### Kitchen:

Appliances	Latex enamel painted woodwork	Trash cans
Brushes	Lunchboxes	Trash compactors
Cabinet -or- drawer handles	Ovens	Walls
[Ceramic] glazed tile [floors or countertops]	Refrigerator [handles]	Work surfaces
Countertops	Refrigerators	
Faucets	[behind and under] Sinks <sup>P</sup>	
Floors	Solid surface -or- sealed granite countertops	
Freezers	Stoves	
Garbage cans	Stovetops	
Garbage disposals	Thermometers	

#### Bathroom:

[Bath]tubs	Glazed Porcelain	Sinks
Cat litter boxes	Potty seats -or- trainers	Thermometers
Combs and brushes	Shower curtains	Glazed Tile
Countertops	Shower doors	Toilets [handles]
Faucets	Shower walls	Urinals
Floors	Showers	Vinyl

#### Baby[’s] Nursery -and/or- Items:

Baby Bathtubs	Diaper pails	Painted cribs
Bumpers	Hard, nonporous toys	Plastic mattress covers
Changing tables	High chairs	Playpens
		Restaurant High Chairs

#### Outdoors:

Barbeque[s] [grills]	Outdoor siding	Sports equipment
Bike -or- bicycle	Plastic patio furniture	Sealed Stucco
Finished woodwork (decks, fences, arbors, trellises, benches, and patio furniture)	Playground sets	Sides of house
Flower pots -and/or- planters	Sealed Brick	Glazed Tile
Golf balls -and/or- clubs	Sealed Driveways, walkways, and sidewalks	Wading -or- kiddy pools
	Sealed Patio stone	

For heavy soil, preclean surface before disinfecting.

#### Cars:

Dashboard	Door handles	Steering wheel
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## Use Sites and Surfaces: continued

### List 6: Food Contact Sanitization Use Surfaces:

Baby bottles	Glassware	Sippy cups
Countertops	Plastic [baby] feeding spoons	Stainless cutlery
Dishes	Plastic cutting boards	Stainless utensils
Food Contact Surfaces	Pots and pans	[Travel] mugs
Freezers	Refrigerators	

### List 7: Use Sites -or- Locations:

**For Use In:** -or- This product can be used on hard, nonporous surfaces in ***(Enter insert site(s) or location(s) from List 7)***

Airplanes	Health Clubs	Offices
[All] Around the House <sup>P</sup>	Homes <sup>P</sup> [(including kitchens, -and/or- bathrooms, -and/or- nurseries, -and/or- sick rooms, -and/or- laundry rooms)]	Patient Rooms
Ambulances	Hospital Premises	Pet Kennels
Animal Care Facilities -or- Hospitals	Hospitals	Physicians' -or- Pediatricians' Offices
Animal Husbandry	Hotels -or- Motels -or- Condominiums	Play -or- Common Areas
Attics	Household Premises	Playrooms
Automobiles -or- Cars	Households	Playgrounds
Barbeque -or- Grill Areas	House[hold]s	Pools
Bathrooms	Institutional [establishments -or- premises]	[Public] Restrooms
Cafeterias	Institutions	Public Transportation
Casinos	Kennels	Resorts
Churches	Kitchens	Restaurants
Classrooms	Laboratories	School Buses
Clinics	Laundry	Schools
Closets	Locker Room Facilities	Shelters
Commercial [establishments -or- premises]	[Manicure] [Pedicure] Salons	Shopping Carts
Day Care [Centers]	Meat Processing Plants	Sick Rooms
Dental Offices	Medical Clinics -or- Offices	Spas
Diners	Military Installations	Sports Facilities
Dorms	Movie Theaters	Storage Areas
Eating establishments	Nursing Homes	Stores
Elder Care Center	Nurseries	Timeshares
[Emergency] Waiting Rooms	Office Buildings -or- Places -or- Areas -or- Environments	Toilet Areas
Food Processing Plants/Facilities		Universities
Gyms		Veterinary Offices -or- Premises
		Work places -or- Environments -or- Areas

### List 8 Surface Materials

Glass	Linoleum	Sealed brick
Glazed tile	Plastic	Stainless
Latex enamel	Plastic laminate	Vinyl

**General/Cleaning/Stain Removal/Deodorizing Claims:**

**Now[!] -and/or- New[!] -and/&-or- Improved[!] to be used as a claim descriptor only for the first 6 months of product on shelf**

- 1/2 cup = 1 load
- 1/2 cup - concentrated
- 2 in 1 solution for cleaning and laundry
- 2-in-1 laundry and cleaning
- 2 -or- 3 value size bottles
- 2 -or- Twin pack
- [3-in-1 clean] [3x clean]: Cleans, whitens and removes stains
- 3x filtered for the purest bleach
- 10x deep cleaning benefits
- **X%** more whitening [ingredients]\*<sup>8</sup> -or- \*\*
- [100 year] Anniversary -and/or- vintage [edition]
- [**X**-day] -or- [multi-day] stain protection[<sup>tt</sup>]
- A classic -or- essential cleaner -or- cleaning product
- [A] [AN] [EXCLUSIVE -and/or- PATENTED] Spot-free -and/or- Streak-free [clean] [shine]
- [A] [AN] [EXCLUSIVE -and/or- PATENTED] Streak-free -and/or- Spot-free results
- [A full week] -or [days] of stain protection[<sup>tt</sup>]
- Add **This Product** to your detergent and get more pristine whites
- Advanced -or- Proprietary whitening technology
- Advanced whitening[\*<sup>8</sup> -or- \*\*]
- All-in-one cleaning and laundry solution
- All you need is [half] -or- [1/2] [of] [a] cup for your laundry needs!
- Anti-Allergen (non-living)
- Beats Other Bleaches in Removing Tough Stains[<sup>t</sup>]
- Best whitening, guaranteed [1-800-292-2200] -or- our best bleach ever
- Bleach Works
- Bleaches Out Tough Stains
- Boosts Cold Water Cleaning -or- Washing Power
- Boost Laundry Cleaning Power
- Boosts the performance of your HE -or- High Efficiency machine
- Brighten[s] Laundry [Whites]
- Brightens whites
- Clean-Extend formula[<sup>tt</sup>]
- Clean laundry begins with a clean machine
- Clean-Less-Often formula[<sup>tt</sup>]
- Clean more in less time
- Clean Pour
- Cleans [Deodorizes,] [and][,] Whitens [and][,] [Brightens] [and Works in Cold Water][!]
- Cleans -and/or- Deodorizes [Around The House]
- Cleanses -and/or- whitens [the clothes]
- Cleans your [HE -or- High Efficiency] washing machine
- Clean[s] White[s]
- Clean[-]up in no time
- Cleaning booster [even] in -or- on cold water washing
- Coats surfaces for easy cleaning
- Cold Water Booster
- Collectible -or- collector's edition [bottle -or- label]
- Commercial -and/or- Institutional Use
- [Compatible] For Use In High Efficiency -or- HE [Washing] Machines
- Complete cleaning -and/or- whitening formula
- Complete coverage, total clean
- Concentrated [cleaning power]
- Concentrated formula -or- whitening power
- Concentrated formula
- Concentrated power to clean -and/or- whiten
- Concentrated **This Product**
- [[Concentrated] **This Product**] gives you the whitest whites in -or- on your energy efficient, cold water loads -or- setting
- [Concentrated **This Product** is] great for cleaning!
- Concentrated whitening -and/or- cleaning formula -or- power
- Concentrated whitening power [in every drop -or- per washload] [in [an] HE washer[s] -or- machine[s]]
- [Covers and ] cleans every inch<sup>P</sup>
- Covers & cleans - everywhere<sup>P</sup>
- Covers more [, -or- to] clean[s] easier[<sup>t</sup>]
- Deep clean
- Deep cleans for less cleaning
- Deep powerful cleaning [action]
- Delivers great results in cold water [so that you don't need to wash in warm water, saving you money every year]
- Delivers great results when you use with your machine's cold water setting
- Deodorizer
- Deodorize[s]
- Deodorizing
- [Destroys -or Shields against] [common] surface destroyers[<sup>tt</sup>]
- Detergent alone is not enough [to get out your toughest stains]
- Doesn't need the extra energy it takes to make the water hot
- Don't forget to run an HE -or- High Efficiency maintenance cycle with **This Product!**
- Dual action cleaning and whitening formula
- Easily wipe away [tough] stains -and/or- soils
- Easy way to get whiter whites
- Easy to handle -and/or- use -and/or- carry -and/or- pour -and/or- store -and/or- control
- Easier way to get whiter whites[\*<sup>8</sup> -or- \*\*]
- Eliminates -or- fights odors
- Eliminates -or- Removes Odors
- [EXCLUSIVE -and/or- PATENTED] Clean rinse technology -or- whitening formula
- Expand the reach of your clean
- Extends the life of your clean[<sup>tt</sup>]
- Extends time between deep cleans[<sup>tt</sup>]
- Faster cleanup[<sup>t</sup>]
- Faster-Cleanup Formula[<sup>t</sup>]
- Fights dinginess better than ever [before]
- For Standard and HE -or- High Efficiency machines
- For Cold Washing
- For A Clean[er], Fresh[er] Household [& -or- and] Laundry
- For [HE] [Front loading] Washing Machines
- [For] [stain-proof -or- stain-resistant] surfaces[<sup>tt</sup>]
- For odor-free laundry
- For smart surfaces that repel stains
- For [Use in] Standard -and/or- Top Load -and/or- HE -and/or- Front Load [Washing] Machines
- Formulated for baby's white clothes
- Formulated to block surface stains[<sup>tt</sup>]
- [Free[!]] Measuring Cup[!]



- Free of dyes and perfumes -or- Dye [and perfume][-]free
- Freshens
- Gets Even Your Dirtiest Clothes White
- Great For Cold Water [Cleaning]
- Get whitening -or- stain removal with ease
- Get[s] whites their whitest
- Gives surfaces that like-new look
- Gives you a far-reaching clean
- Gives you the [cleanest] [whitest] whites in standard and HE -or- High Efficiency machines
- Gives your clean long life[<sup>††</sup>]
- Goes Where Clean Has Never Gone Before[<sup>††</sup>]
- [Great around the home!] [For cleaning and laundry!]
- [Great] for [the] school[s] -and/or- classroom[s] -and/or- work -and/or- [the] office
- Great for use around the home -and/or- workplace -and/or- laundry room
- [Great -or- Perfect -or- Effective] for cleaning up after your pets -or- dog[s] -or- cat[s] -or- puppy -or- kitten
- Great Value
- Guards against stains[<sup>††</sup>]
- [Helps] remove **X%** of everyday stains
- Helps surfaces resist stains[<sup>††</sup>]
- Helps to maintain your HE machine
- Improved -or- better -or- enhanced whitening [formula][<sup>††</sup> -or- \*\*]
- Improved -or- Better -or- Enhanced whitening power [in [a] standard machine[s] -or- washer[s]][<sup>††</sup> -or- \*\*]
- In-wash booster
- [It's] Clorox clean
- [Just as] gentle on bleachable fabrics [as before<sup>††</sup>]
- Keep a bottle of **This Product** in the kitchen -and/or- the bathroom -and/or- the laundry room -and/or- the garage
- Keeps clothes **X%** whiter and brighter[<sup>††</sup> -or- \*\*]
- Keeps clothes brighter[<sup>††</sup> -or- \*\*]
- Keeps clothes looking newer longer[<sup>††</sup> -or- \*\*]
- Keeps clothes whiter and brighter[<sup>††</sup> -or- \*\*]
- Keeps clothes whiter[<sup>††</sup> -or- \*\*]
- Keeps clothes whiter longer [to save you money][<sup>††</sup> -or- \*\*]
- Keeps on repelling stains[<sup>††</sup>]
- Keeps stains from sticking [to surfaces][<sup>††</sup>]
- Keeps surfaces looking [new -or- like new -or- their [sparkling] best]
- Keeps whites brighter longer[<sup>††</sup> -or- \*\*]
- Keeps your whites beautiful
- Laundry looks -and/or- smells clean
- Limited time [offering]
- Liquid cleaning washing compound
- Locks out -or- repels stains -and/or- Mold Stains -and/or- Soap Scum][<sup>††</sup>]
- Locks out stains [to preserve surfaces][<sup>††</sup>]
- [Long-lasting -or- Longer] stain protection [for easier cleaning][<sup>††</sup>][<sup>††</sup>]
- [Long-lasting] stain protection [formula][<sup>††</sup>]
- Long Live Clean!
- Made with [new] [innovative] processing technology
- Makes Clean Go Further
- Makes surfaces look -new -or- like new -or- their [sparkling] best
- Makes surfaces stain [resistant -or- proof][<sup>††</sup>]
- Make[s] [your] clean [live -or- last] long[<sup>††</sup>]
- Makes [your] deep [cleaning -or- clean] last longer[<sup>††</sup>]
- [More] Clean up in less time
- [More -or- Better] coverage, easier cleaning[<sup>†</sup>]
- [More -or- Better] coverage for a [better -or- easier] clean[<sup>†</sup>]
- More Value [Than Before]
- More whitening in every -or- per washload[<sup>††</sup>]
- More whitening power [in every drop -or- per washload] [in [an] HE machine[s] -or- washer[s]][<sup>††</sup>]
- New Look -or- Presentation
- No lime or acids in this solution
- No splash formula
- No water spotting
- Not for individual resale
- Only [half] -or- [1/2] a cup for your laundry whitening needs!
- Over a century of cleaning expertise
- Patented dual whitening technology
- Patented technology for whitest whites
- Powerful Cleaning Action
- [[Proprietary Whitening Technology] [=] [for]] Whitest Whites
- [Proprietary Whitening Technology [=] ] Guaranteed best whitening [1-800-292-2200]
- [Proprietary Whitening Technology] keeps whites their whitest [over time] [, Guaranteed] [1-800-292-2200]
- Protective finish repels -or- locks out [future] stains -and/or- soils -and/or- messes[<sup>††</sup>]
- Protects against stains for [a full week] -or- [days][<sup>††</sup>]
- Protects against stains for a long [, long] time[<sup>††</sup>]
- Protects against stains [for] a long time [for cleanup in no time][<sup>††</sup>]
- Protects against [the 5 most] [common] surface destroyers [<sup>†††</sup>], [<sup>††</sup>]
- Protects against today's stains & tomorrow's[<sup>††</sup>]
- Protects -or- Shields [your] surfaces from -or- against grimy buildup[<sup>††</sup>]
- [Protects surfaces,] keeps out -or- knocks down grimy build-up[<sup>††</sup>]
- Protects surfaces [, stands up to stains] -or- [, locks out stains][<sup>††</sup>]
- Protects surfaces from future [soap scum -and/or- mold -and/or- mildew] stains[<sup>††</sup>]
- Protect[s] your surfaces [superbly][<sup>††</sup>]
- Proudly Made in [The USA] [North America] [The United States]
- [Reduces] [Reduced] water spotting[<sup>††</sup>]
- Quicker Clean-Up Formula[<sup>†</sup>]
- Regularly using **This Product** can save you money by helping your clothes last longer from removing stains that would have caused you to discard them
- Removes **X** day old laundry stains
- Removes **X%** more stains\*\*\*
- [Removes and] prevents stains for a smarter clean[<sup>††</sup>]
- Removes and repels stains[<sup>††</sup>]
- Removes common Non-living household Allergens
- Remove[s] dirt
- Removes more stains[<sup>††</sup> -or- \*\*]
- Removes more stains than other bleaches
- Removes mold stains and mildew stains

- Removes old set-in stains
- Removes stains [and protects surfaces] [against future stains][<sup>††</sup>]
- Removes stains without scrubbing
- Removes stains without soaking
- Removes today's stains, protects against tomorrow's[<sup>††</sup>]
- Removes [tough -and/or- hard surface] stains other bleaches [leave behind -or- can't][<sup>†</sup>]
- Removes [Tough] Stains [better than detergent alone] [and whitens whites]
- Removes Tough Stains Better Than Other Bleaches[<sup>†</sup>]
- Removes tough stains to get your whitest whites
- Removes [tough] stains to get [your] whitest whites
- Remove[s] what detergent can -or- may leave behind
- Renews whites
- Repels [grease -and/or- grime][<sup>††</sup>]
- Repels -or- Drives away -or- deflects -or- blocks -or- locks out] stains [<sup>††</sup>]
- Repels [nasty] surface [attackers -or- destroyers][<sup>††</sup>]
- Repels stains and cleans up pains[<sup>††</sup>]
- Repels stains -and/or soils [with every use][<sup>††</sup>]
- Repels stains [with ongoing -or- repeated use][<sup>††</sup>]
- Repels [the 5 most] [common] surface destroyers[<sup>††††</sup>][<sup>††</sup>]
- Revives -and/or- renews dingy whites
- Rids -or- Gets Rid of hard to remove stains [better than detergent alone]
- Rids -or- removes the buildup in [HE] or [High Efficiency] machines
- Safe to -or- for use on **insert surface material(s) from List 8**
- Satisfaction Guaranteed [1-800-292-2200]
- Scrub-Less Formula
- Seal[s] in protection [to [help] prevent stains] -or- [[helps] keep[s] stains out] -or- [[helps] prevent[s] stains][<sup>††</sup>]
- Seals surfaces [against stains -or- to lock out stains -and/or- messes][<sup>††</sup>]
- Seals surfaces for easy cleaning[<sup>††</sup>]
- Seals surfaces to keep stains away[<sup>††</sup>]
- Seals surfaces, stains wash away[<sup>††</sup>]
- Smart Surfaces for Easier Cleaning[<sup>††</sup>]
- Sparkling White[s]
- Specially formulated for maximum stability
- [Specially formulated] [so you] [only] use 1/2 cup [for laundry [use] -or- [for whitest whites]]<sup>8</sup>
- Speed-Clean Formula
- Super-Surface Protection[<sup>††</sup>]
- Superb Surface Protection[<sup>††</sup>]
- Stain dissolving technology -or- dissolves stains
- Stain guard [formula][<sup>††</sup>]
- [Stain-Proof -or- Stain-Resistant] formula[<sup>††</sup>]
- Stain protection that lasts [and lasts][<sup>††</sup>]
- Stain-removing power
- Stain seal[<sup>††</sup>]
- The bleach brand used by 30 -or- thirty million moms [for 4 [four] generations] [for [over] 100 -or- one hundred years] [since 1913]
- The concentrated cleaning power still gets whites their whitest
- The confidence of a Clorox clean
- [The] cleaning -and/or- whitening power you want [when you need it]
- [The] household essential
- The Original [All -or- Multi Purpose] Cleaner
- [The] smart[er] way to clean -or- do laundry
- The stain remover for whites
- The white line is the Clorox line
- [**This Product,**] a clean you can smell
- [**This Product,**] an essential household item
- [**This Product**] doesn't need hot water to work
- [**This Product,**] essential for your disaster preparedness box -or- checklist
- **This Product** Gets Even Your Dirtiest Clothes White
- [**This Product**] gives you tough stain removal and easy whitening
- [**This Product**] gives you whitening with ease -or- pouring with ease -or- controlled whitening -or- whitening without effort
- [**This Product**] has [an] advanced cleaning -and/or- whitening technology -or- formula -or- ingredients [that is not available in detergent]
- [**This product** is] concentrated for tough stain removal and is easy to pour
- [**This Product** is] concentrated with a high performance -or- precision formula [in [an] HE washer[s] -or- machine[s]]
- [**This Product,**] keep a bottle in the kitchen -and/or- bathroom -and/or- laundry room -and/or- garage
- [**This Product**] lets you use cold water which requires no extra energy
- [**This Product**] makes cleaning easy
- [**This Product** has] concentrated whitening power [in an easy-to-handle bottle]
- [**This Product,**] useful in so many ways
- **This Product** whitens better than ever before [in [an] HE machine[s] or washer[s]]<sup>8</sup>
- Throwback -or- retro [bottle -or- label -or- package]
- Tough stain fighting power
- Uncommon protection against [the 5 most] common surface destroyers [<sup>††††</sup>] [<sup>††</sup>]
- Use **This Product** and save money—it cleans your clothes and your [HE -or- High Efficiency] laundry machine at the same time
- Use **This Product** and see the difference [in -or- on your clothes -or- whites -or- stains][<sup>8</sup> -or- \*\*]
- Use **this product** and see the difference [in -or- on your clothes -or- whites -or- stains] [in [an] HE washer[s] -or- machine[s]][<sup>8</sup> -or- \*\*]
- Use **This Product** for a clean made easy
- Use **This Product** for a Clorox clean
- Use **This Product** for whitest whites
- Use **This Product** -or- Clorox Bleach for pristine whites
- Use **This Product** regularly to help prevent stains from building up -or- getting worse
- [Use] **This Product** [to] [effectively] remove[s] [juice] [berries] [ketchup] [mud] [dirt] [grass] [coffee] [red wine] [spaghetti] [mustard] [tea] stains!
- Using **This Product** with the leading detergent [whitens] -or- [cleans] better in cold water than just using the leading detergent alone in warm water
- [Value] [Size] [2 -or- 3 -or- 4] Pack
- [Versatile] Multi-purpose cleaner
- [Visit -or- Check [out] our website at] www.clorox.com [for more information] [on Clorox®]
- Washing Machine Cleaner

- [Week-Long] -or- [multi-day] Stain Protection[~~††~~]
- White [Brite] [Bright]
- Whitens and brightens
- Whitens -and/or- removes stains even on cold water [washing]
- Whitens better than detergent alone [and is easy to pour]
- Whitens [Bleachable Fabrics]
- Whitens [whites] [and removes stains]
- Whitens whites by removing [tough] stains
- Whitest Whites
- Whitest Whites [Technology]
- [With] ACTEON™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] ACTEON™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] ACTIVE PEC™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] ACTIVE PEC™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] ADVANCED CLEAN POLYMERS™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] ADVANCED CLEAN POLYMERS™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] ADVANCED PROTECTION POLYMERS™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] ADVANCED PROTECTION POLYMERS™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] BRILLIUM™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] BRILLIUM™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] CLOROMAX™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] CLOROMAX™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] DUALACTION POLYMERS™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] DUALACTION POLYMERS™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] FACTOR 3™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] FACTOR 3™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- With [hard surface] Stain [Repeller -or- Repellant][~~††~~]
- [With] MIRACEL™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] MIRACEL™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] MIRATEC™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] MIRATEC™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] OPTISHIELD™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] OPTISHIELD™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] patented whitening [formula -or- technology]

- [With] POLYFEND™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] POLYFEND™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] PROGARD™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] PROGARD™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] PROLON™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] PROLON™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] VIBREN™ [a patented Clorox [Bleach] ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- [With] VIBREN™ [ingredient -or- ingredients -or- formula -or- technology -or- compound -or- complex -or- effect -or- ingredient blend -or- ingredient system -or- ingredient mixture -or- blend -or- system -or- mixture]
- Works better with detergents for long-term whitening\***8**
- Works [Even] In Cold Water!
- Works in your maintenance cycle [too]
- Works on **X**% of everyday stains



**Sanitizing/Disinfecting:**

**Now[!] -and/or- New[!] -and/&/or- Improved[!] to be used as a claim descriptor only for the first 6 months of product on shelf**

- 1/2 cup kills [99.9% of] [common] [household] germs<sup>##</sup> or  $\zeta$
- 3-in-1: Cleans, whitens, and disinfects
- 5-in-1: cleans, disinfects, whitens, brightens [and] removes odors
- [64 oz bottle] Makes 16 gallons of disinfecting solution **this claim to be used only for 64 oz bottle**
- [121 oz bottle] Makes 30 gallons of disinfecting solution **this claim to be used only for 121 oz bottle**
- A few surprising uses of bleach -or- **This Product**. Disinfecting [pet] toys -and/or- Sanitizing baby bottles -and/or- sippy cups -and/or- plastic cutting boards -and/or- travel mugs -and/or- pet bowls.
- A germicide & disinfectant
- Antibacterial
- Antibacterial produce rinse -or- soak -or- wash
- Antifungal
- Bactericide
- Bactericidal
- Can be used as a produce -or- vegetable -or- fruit rinse -or- soak -or- wash **commercial use only**
- Can be used to disinfect your pet's accessories and nonporous toys
- Can be used to sanitize -and/or- clean your baby's laundry -and/or- clothes -and/or- cloth diapers
- Clean. Disinfect. Protect.<sup>†††</sup>
- Clean[ing][s] -and/or- disinfect[ing][s] -and/or- protect[ing] [s] [the] [your] **insert site(s)/ location(s) from List 7** [area] [environment] against -or- from -or- by killing [99.9% of] [household] germs[ $\S\S$ ] -and/or- bacteria -and/or- viruses<sup>‡</sup>
- Clean[s] away -or- out and [Kill[s]] [Eliminate[s]] [Destroy[s]] [Remove[s]] [Wipe[s] away -or- out] [Attack[s]] [Get[s] rid of] [99.9% of] [the] bacteria -and/or- germs[ $\S\S$ ] -and/or- viruses<sup>‡</sup> [commonly found in **insert site(s)/location(s) from List 7** [areas] [environments]]
- Cleans and Disinfects
- Disinfect -and/or- Deodorize -and/or- Kill [99.9% of] Germs[ $\S\S$ ] on -or- in **insert surface(s) or site(s) from list 5 or 7**
- Disinfect for a Clorox® [bleach] clean
- Disinfectant
- Disinfecting
- Disinfect[s] -and/or- kill[s] [99.9% of] germs with only 1/2 cup
- Disinfects -and/or- Sanitizes -and/or- Deodorizes -and/or- Eliminates Odors -and/or- cleans [around the house<sup>P</sup>]
- [Disinfects -and/or- Sanitizes] [, Eliminates Mildew] And Deodorizes
- Disinfects **insert site(s)/location(s) from List 7**
- Disinfects hard, nonporous surfaces against **insert organism(s) from List 2A or 2B, with correct corresponding dilution in Directions For Use**
- Disinfects pet areas, accessories and nonporous toys [including kennels -and/or- litter boxes -and/or- floors]
- Disinfects [potable] drinking water [in emergency situations]
- Disinfects in your home -and/or- kitchen -and/or- bathroom -and/or- garage-and/or- sink -and/or- tub -and/or- toilet
- Eliminates germs -and/or- bacteria
- Eliminates odor causing bacteria and prevents the build-up of odors in your [HE] laundry machine
- Eliminates Odors, Whitens and Disinfects
- Fight[s] -and/or- kill[s] -and/or- effective against Avian influenza virus [on environmental -and/or- hard, nonporous surfaces]
- [Fight[s]] [Kill[s]] [Effective] [Protect[s]] [against] **insert organism(s) from List 2A or 2B, with correct corresponding dilution in Directions For Use**
- Fight[s] -or- Stop[s] -or- Kill[s] -or- Eliminate[s] -or- Destroy[s] -or- Remove[s] -or- Wipe[s] away -or- out -or- Attack[s] -or- Get[s] rid of [99.9% of] [the] germs[ $\S\S$ ] -and/or- bacteria -and/or- mold -and/or- viruses<sup>‡</sup> [that [can] cause [the] [common] cold -and/or- flu] [in your **insert site(s)/location(s) from List 7** [area] [environment]]
- For institutional use
- Fungicidal -or- Fungicide
- Germicidal -or- Germicide
- Gets Rid Of Germs[ $\S\S$ ] -and/or- Dirt
- Help prevent the spread of [the] cold and flu viruses<sup>††7</sup> [in your home -or- office] on treated surfaces
- [Helps] Eliminate[s] -or- Reduce[s] odor [causing bacteria] [from your [HE] machine]
- [Helps] Prevent[s] [the] build-up of odor-causing bacteria [in your machine]
- Hospital Disinfectant
- Inexpensive and effective business place disinfectant
- It's amazing what you can use **This Product** for: disinfecting toys -and/or- sanitizing baby bottles -and/or- sippy cups -and/or- plastic cutting boards -and/or- travel mugs -and/or- pet bowls
- Kill[s] [99.9% of] bacteria on the surfaces you[r kids] touch every day
- Kills [99.9% of] [common household] germs[ $\S\S$ ] -or- bacteria
- Kills [99.9% of] flu virus<sup>†</sup>
- Kills 99.9% of [common household] germs -or- bacteria -or- cold and flu viruses<sup>††7</sup> in 5 min[utes] **This claim is only to be used on labels with organisms/use instructions with a 5 min[ute] contact time. Not to be used for labels listing Canine Parvovirus, Feline Parvovirus -or- feline panleukopenia virus, or Mycobacterium bovis since these organisms have a 10 min[ute] contact time.**
- Kills [99.9% of] germs[ $\S\S$ ] commonly found in public or commercial facilities
- Kills 99.9% of germs in your laundry<sup>4</sup>
- Kills [99.9% of] [household] mold [and mildew]
- Kills [99.9% of] [household] viruses that cause colds and the flu: Rhinovirus and Influenza A virus
- Kills 99.9% of Klebsiella pneumoniae
- Kills 99.9% of **insert organism(s) from List 1** in your laundry
- Kills [99.9% of] **insert organism(s) from List 2A or 2B, with correct corresponding dilution in Directions For Use** [on **insert surface from List 5**] [in **insert site(s)/location(s) from List 7**]
- Kills 99.9% of **insert organism(s) from list 3 or 4**
- Kills [99.9% of] [many] germs[ $\S\S$ ] -and/or- bacteria<sup>P</sup> [around your home]
- Kills [99.9% of] surface germs[ $\S\S$ ] and bacteria<sup>¥</sup>
- Kills 99.9% of Staphylococcus aureus [in 2 min[utes]]
- Kills [99.9% of] [the] cold -and/or- flu virus[es]<sup>††7</sup>
- Kills [99.9% of] [the] germs[ $\S\S$ ] around your home -or- house
- Kills [99.999% [of]] Clostridium difficile<sup>¥</sup> (C. diff) spores

- Kill[s] -and/or- eliminate[s] -and/or- disinfect[s] -and/or- remove[s] -and/or- attack[s] -and/or- get[s] rid of -and/or- reduces [99.9% of] [the] bacteria -and/or- germs[§§] - and/or- virus[es] [commonly] found in -or- on [the] **insert surface(s)/site(s) from List 5 or List 7**
- Kill[s] -and/or- eliminate[s] -and/or- disinfect[s] -and/or- remove[s] -and/or- attack[s] -and/or- get[s] rid of -and/or- reduces [99.9% of] [the] cold virus[es]††† -and/or- flu virus† -and/or- cold and flu virus[es]††† [commonly] found in -or- on [the] **insert surface(s) or site(s) from List 5 or List 7**
- Kill[s] -and/or- eliminate[s] -and/or- disinfect[s] -and/or- remove[s] -and/or- attack[s] -and/or- get[s] rid of -and/or- reduces [99.9% of] [the] bacteria - and/or- germs[§§] - and/or- virus[es]‡ [commonly] found in -or- on [the] **insert surface(s) or site(s) from List 5 or List 7**
- Kill[s] -and/or- eliminate[s] -and/or- disinfect[s] -and/or- remove[s] -and/or- attack[s] -and/or- get[s] rid of -and/or- reduces [99.9% of] [the] **insert organism(s) from list 2A or 2B, with correct corresponding dilution in Directions For Use** [commonly] found in -or- on [the] **insert surface(s) or site(s) from List 5 or List 7**
- Kills Aspergillus brasiliensis [(mildew)] [in 10 min[utes]]
- Kills bacteria on hard, nonporous surfaces
- Kills Canine Parvovirus [in 10 [min]utes]
- Kills Clostridium difficile<sup>¥</sup> (C. diff) spores
- Kills Enterovirus EV-D68 [in 5 min[utes]]
- Kills Extended Spectrum Beta Lactamase producing Escherichia coli [(ESBL producing E. coli)] [in 5 min[utes]] -or- Kills ESBL producing E. coli [in 5 min[utes]]§§§§
- Kills Feline Parvovirus [in 10 min[utes]]
- Kills Germs[§§] and Removes Odors
- Kills **insert organism(s) from list 1** [in your laundry]
- Kills **insert organism(s) from list 2A or 2B, with correct corresponding dilution in Directions For Use with a 5 min[ute] contact time** [in 5 [min]utes]
- Kills **insert organism(s) from list 3** [in 2 [min]utes]
- Kills Mycobacterium bovis [TB] [in 10 [min]utes]
- Kills Methicillin resistant Staphylococcus aureus [(MRSA)] [in 5 min[utes]]
- Kills Mycobacterium bovis [(BCG)], [(TB)] [(Tuberculosis)]
- Kills -or- removes mold [and mildew]
- Kills Pseudomonas aeruginosa [in 5 [min]utes]
- Kills viruses‡, disinfects[,] [&] [and] deodorizes
- Kills viruses that [can] cause colds and the flu such as Rhinovirus and Influenza A virus
- Mildewcide
- Mildewcidal
- Pseudomonacidal<sup>5</sup>
- Reduces exposure to Clostridium difficile<sup>¥</sup> [(C. diff)] -or- C. difficile<sup>¥</sup> -or- C. diff<sup>¥</sup> from treated surfaces **institutional use only**
- Reduces exposure to Methicillin resistant Staphylococcus aureus [(MRSA)] from treated surfaces. **institutional use only**
- [Removing] [Killing] [Fighting] [Eliminating] [99.9% of] germs[§§] -and/or- bacteria -and/or- viruses‡ [since 1913] [for [more than] 100 years]
- Remove[s] bacteria from your children's hard, nonporous toys
- Removes stains and mildew
- Sanitizer
- Sanitizes [and removes stains]
- Sanitizes [every load] [of your] laundry
- Sanitizes garbage -or- trash cans
- Sanitizes hard, nonporous [food contact] surfaces against **insert organism(s) from List 3**
- Sanitizes hard, nonporous [non-food contact] surfaces against **insert organism(s) from List 4**
- ~~Sanitizes hard, nonporous surfaces against **insert organism(s) from List 3 or 4**~~
- Sanitizes laundry against **insert organism(s) from List 1**
- Sanitizes your baby's -or- workout clothes -or- laundry
- Sanitize your home -and/or- kitchen -and/or- bathroom -and/or- garage -and/or- sink -and/or- tub -and/or- toilet exterior **use instructions will be included for all use site(s) selected**
- Sanitizes hard, nonporous surfaces against **insert organisms from list 4**
- Sanitizes hard, nonporous food contact surfaces against **insert organisms from List 3**
- Sanitizes [your] laundry and disinfects [your] home
- Sanitizing
- Streptocidal<sup>2</sup>
- Staphylocidal<sup>3</sup>
- To Kill -or- Kills Staph (Staphylococcus aureus) -and/ or- Salmonella (Salmonella enterica) -and/or- Pseudomonas aeruginosa -and/or- Cold & Flu Viruses (Rhinovirus type 37 & Influenza A virus) -and/or- Trichophyton mentagrophytes [(Athlete's Foot)] **Text in parentheses must be included. Only brackets indicate optional text.**
- The solution for your business' [disinfecting] -and/or- [cleaning] needs
- [This holiday season,] don't forget to disinfect -or- clean your **insert surface from List 5** [with a solution of bleach]
- [This holiday season,] don't forget to sanitize -or- clean your **insert surface from List 5 or List 6** [with a solution of bleach]
- [**This Product**] meets AOAC [Use-Dilution test] efficacy standards [for hospital disinfectants].
- [**This Product**] Removes the dirt -and/or- stains you see and the germs[§§] you don't see
- [**This Product.**] Useful in so many ways: Disinfect [pet] toys -and/or- Sanitize baby bottles -and/or- sippy cups -and/or- plastic cutting boards -and/or- travel mugs -and/or- pet bowls
- [**This Product**] Whiten[s]. -and/or- Remove[s] Stains. -and/or- Clean[s]. -and/or- Disinfect[s].
- Use 1/2 cup bleach in 1 gallon of water to kill [99.9% of] these [common] [household] germs: **Insert organisms from list 2A**
- Use 1/2 cup bleach in 3/4 gallon of water to kill [99.9% of] these [additional] viruses & bacteria: **Insert organisms from list 2B**
- Virucidal‡ -or- Virucide‡
- Whitening -and/or- cleaning -and/or- disinfecting made easy
- Whitens, Deodorizes, and Disinfects

***Emerging Viral Pathogen Claims***

***Allowable and subject to the terms described in Agency guidance dated August 19, 2016, "Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens not on EPA-Registered Disinfectant Labels."***

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This product qualifies for emerging pathogen claims against:

- Enveloped viruses
- Large non-enveloped viruses
- Small non-enveloped viruses

***This product*** has demonstrated effectiveness against viruses similar to ***insert name of emerging virus*** on hard, nonporous surfaces. Therefore, ***this product*** can be used against ***insert name of emerging virus*** when used in accordance with the directions for use against ***insert name of supporting virus(es)*** on hard, nonporous surfaces. Refer to the ***insert CDC -or- OIE*** website at ***insert pathogen-specific website address*** for additional information.

***Insert name of illness/outbreak*** is caused by ***insert name of emerging virus***. ***This product*** kills similar viruses and therefore can be used against ***insert name of emerging virus*** when used in accordance with the directions for use against ***insert name of supporting virus(es)*** on hard, nonporous surfaces. Refer to the ***insert CDC -or- OIE*** website at ***insert pathogen-specific website address*** for additional information.

### ***Packaging Claims***

***Now[!] -and/or- New[!] -and/&/or- Improved[!] to be used as a claim descriptor only for the first 6 months of product on shelf***

- Bottle designed to pour bleach easily
- Bottle [designed to] improve[s] [your] bleach experience [in HE -or- High Efficiency machines]
- [Bottle is] easy to pour in your [HE -or- High Efficiency] machine
- Bottle is specially designed with your comfort -or- experience in mind
- Easy to use!
- Easy [-] to [-] handle [bottle]
- [Flip top] cap -or- closure [specially] designed for simple and secure closure -or- seal
- Lightweight bottle!
- Pour [***This Product***] with confidence
- Smooth flow goes straight into the machine -or- gets bleach where you want it
- Specially designed [bottle -and/or- closure] for an easy -and/or- accurate pour
- Specially designed [bottle -and/or- handle] to [help [you] get bleach where you want it [with confidence]
- Specially designed [bottle -or- closure] for a comfortable -and/or- controlled -and/or- balanced pour -and/or- experience
- Specially designed [bottle] -or- [closure] allows you to use bleach right
- Specially designed bottle -and/or- handle [helps] control[s] the flow of bleach
- Specially designed bottle -and/or- closure controls the pour
- Specially designed bottle -and/or- closure helps prevent splashing
- The ***This Product*** bottle even has a spot for your thumb!
- [The ***This Product*** bottle is] designed for comfortable pouring -and/or- handling
- [[The] ***This Product*** bottle is] designed for easy bleach dispensing
- [The ***This Product*** bottle is] designed to handle the strength of bleach
- [The ***This Product*** bottle is] designed to mold to -and/or- easily fit in your hand
- [This bottle] [is] [Designed to] Help[s] Prevent[s] spilling -and/or- splashing
- [***This Product*** has a] technically advanced bottle developed for [smooth -and/or- nearly effortless] pouring
- [***This Product*** was] designed with your comfort in mind
- [***This product***] [you can] pour with confidence
- [***This product's*** new sleek design is] made for modern -or- today's [generation of] -or- HE -or- High Efficiency washing machines
- Thumbprint for easy handling -and/or- pour -or- pouring
- [With] Easy [-] [to] [-] Grip [Handle][!]

### ***Cross-promotion Claims***

***Now[!] -and/or- New[!] -and/&/or- Improved[!] to be used as a claim descriptor only for the first 6 months of product on shelf***

- For colors, use/try Clorox2 Stain Fighter & Color Booster. It removes the toughest [outdoor] stains better than detergent alone!
- Try Clorox2 Stain Fighter & Color Booster, a color-safe way to lose the stains, not the fun!
- Try Clorox2 Stain Fighter & Color Booster in your colored loads (it's bleach-free/ chlorine-free!). Lose the stains, not the fun!
- Try Clorox2 Stain Fighter & Color Booster. It's bleach-free/chlorine-free and safe on colors!
- Try Clorox2 Stain Fighter & Color Booster. Lose the stains, keep the colors, guaranteed. Learn more at [Dare2BeColorful.com](http://Dare2BeColorful.com)
- Try Clorox2 Stain Fighter & Color Booster. Removes stains and brightens colors! Learn more at [www.clorox.com](http://www.clorox.com)
- Try Clorox2® Stain Fighter & Color Booster to remove the toughest [outdoor] stains better than detergent alone.
- Try Clorox 2® Stain Remover & Color Booster
- Try Smart Seek™ Bleach for whites [and mostly whites].





# SERVICE BULLETINS

[For additional directions for use, including Service Bulletins, visit [www.clorox.com/bleachuse](http://www.clorox.com/bleachuse).]

**Note to reviewer: only approved language from the most recently approved federal master label will be posted to the website.**

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## CLB I (EPA Reg. No. 5813-114)

### FOR CONTROLLING THE SPREAD OF *PHYTOPHTHORA RAMORUM* [CAUSE OF SUDDEN OAK DEATH] IN FORESTS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

When used as directed, this product is effective in controlling the spread of the invasive pathogen *Phytophthora ramorum* in forests. *P. ramorum* causes a fatal canker disease of several tree species and damages many other plant species.

Water is commonly drafted from streams and fire ponds within forested areas to use in dust abatement on forest roads, equipment cleaning and fire suppression. The use of infested water sources can spread *P. ramorum* to uninfested areas. Treating water prior to use helps control the spread of this pathogen.

**Directions for Use:** Add 1 gallon of this product to 1000 gallons (~50 ppm available chlorine) of drafted water. Prepare the mixture at least 5 min[utes] prior to application for dust abatement, fire suppression, and cleaning vehicles and logging, road building, and maintenance equipment.

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## CLB I (EPA Reg. No. 5813-114)

### FOR PORT ORFORD CEDAR ROOT DISEASE (*PHYTOPHTHORA LATERALIS*) TREATMENT USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

When used as directed, this product is effective in controlling the spread of the fatal fungus *Phytophthora lateralis* [Port Orford Cedar Root Disease] in areas of California and Oregon where Port Orford Cedar (*Chamaecyparis lawsoniana*) grows.

Water is commonly drafted from streams and fire ponds within forested areas to use in dust abatement on forest roads, equipment cleaning and fire suppression. The water source can spread the root disease fungus to uninfested areas. Treating water prior to use helps control the spread of the fungus.

**Directions for Use:** Add 1 gallon this product to 1000 gallons (~50 ppm available chlorine) of drafted water. Prepare the mixture at least 5 min[utes] prior to application for dust abatement, fire suppression and cleaning trucks, and logging, road building and maintenance equipment.

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## CLB I (EPA Reg. No. 5813-114)

### FOR ENCLOSURES AND EQUIPMENT USED FOR AMPHIBIAN CARE: SPECIAL INSTRUCTIONS FOR CONTROLLING THE SPREAD OF *BATRACHOCHYTRIUM DENDROBATIDIS* (CHYTRID FUNGUS, FUNGAL PATHOGEN OF AMPHIBIANS)

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

#### For Use on Hard, Nonporous Surfaces of Enclosures and Equipment:

Use protective gloves and ventilate area.

- (1) Remove amphibians from area to be treated.
- (2) Mix 1 part of this product to 4 parts water (approximately 1.2% sodium hypochlorite) (11,500 ppm).
- (3) Thoroughly clean and saturate surfaces for 5 min[utes].
- (4) Rinse thoroughly with water before placing amphibians in enclosures or in contact with equipment.

Note: All water used for cleaning enclosures and equipment must be treated with the bleach solution to avoid rinsing the Chytrid fungus down the drain or contaminating other surfaces.

**For Use on Hard, Nonporous Field Equipment:**

Any hard, nonporous equipment, that comes into contact with water must be treated with bleach to prevent the fungal pathogen from spreading to clean sites (see instructions above). Care must be taken to avoid environmental contamination when disinfecting in the field.

Note: All water used for cleaning equipment must be treated with the bleach solution to avoid spreading the Chytrid fungus.

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**CLB I (EPA Reg. No. 5813-114)  
FOR CLOSED-LOOP LAUNDRY DISPENSING SYSTEMS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**FOR USE WITH [Insert Dispenser Name] APPROVED DISPENSING SYSTEM. Installation and service should only be performed by a [Company Name]:** Laundry Expert.



**To Sanitize Laundry:** Add enough of this product to reach 160 ppm (parts per million) available chlorine. Use a detergent. Ensure contact with bleach [solution] for 10 min[utes]. This product used according to the laundry use directions is effective against *Staphylococcus aureus* [(Staph)], *Pseudomonas aeruginosa* [(Pseudomonas)], *Klebsiella pneumoniae*, and Methicillin Resistant *Staphylococcus aureus* [(MRSA)].

**[For use with 4 to 6 gallon buckets/containers as defined in the ASTM standard; see Child Hazard Drowning Pictogram text below:**

**NOTICE:** CHILDREN CAN FALL INTO BUCKET AND DROWN. KEEP CHILDREN AWAY FROM BUCKET WITH EVEN A SMALL AMOUNT OF WATER.]

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**CLB I (EPA Reg. No. 5813-114)  
FOR SANITIZING HOSPITAL LAUNDRY**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

To sanitize laundry, add enough of this product to reach 160 ppm (parts per million) available chlorine. -or- Use 2/3 cup of this product per standard washer, 1 cup for extra large washers or heavily soiled loads. Use a detergent. Ensure contact with bleach [solution] for 10 min[utes]. This product used according to these directions is effective against *Staphylococcus aureus* [(Staph)] [ATCC 6538], *Klebsiella pneumoniae* [ATCC 4352], *Pseudomonas aeruginosa* [(Pseudomonas)] [ATCC 15442], and Methicillin Resistant *Staphylococcus aureus* [(MRSA)] [ATCC 33592].

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**CLB I (EPA Reg. No. 5813-114)  
FOR DISINFECTION OF FLOORS, WALLS, SHOWERS AND TOILETS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**To disinfect floors, walls and showers:** For nonporous surfaces such as vinyl or ceramic glazed tile, clean surfaces to remove gross filth. Rinse surfaces thoroughly with a 1800 ppm available chlorine solution. [Use the Dilution Table to make the desired dilution]. [Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved.] Allow solution to remain on the surface for 5 min[utes]. Rinse. [Let air dry.]

**To disinfect toilets:** Flush toilet. Pour 1/2 cup [of] bleach into bowl. Brush bowl [thoroughly], making sure to get under the rim and let solution stand for 5 min[utes] and flush again.

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## CLB I (EPA Reg. No. 5813-114) DISINFECTING GUIDE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

This product-a germicide-is 6.05% sodium hypochlorite solution containing approximately 5.75% available chlorine by weight. In addition to being a highly effective liquid chlorine bleach for laundering and household disinfecting, it is widely used in sanitation of poultry and livestock houses and equipment, dairies, creameries, restaurants and taverns.

**IMPORTANT: Always thoroughly mix with water as directed before using.**

Do not allow undiluted product to come in contact with any fabric. (If it does, rinse out immediately with clear, cold water.)

Do not apply with natural sponge.

Do not use on non-stainless steel, aluminum, silver, or chipped enamel.

If used on stainless steel [and other acceptable metals], let solution stand for **no more than 5 min[utes]**, and then rinsed off thoroughly with clear water; otherwise, it may slightly discolor and eventually corrode the metal.

If a metal sprayer is used to apply the solution, rinse sprayer thoroughly after use with clear water, and then oil the plunger.

SEPTIC TANK OPERATION is not affected by regular home and farm use of this product.

### TABLE OF LIQUID MEASURES

3 tsp	=	1 Tbsp	=	1/2 Ounce	=	1/16 Cup
16 Tbsp	=	8 Ounces	=	1 Cup	=	1/2 Pint

For directions on sanitizing and disinfecting specific surfaces, write:

**THE CLOROX COMPANY**  
**Consumer Services Department**  
**1221 Broadway, Oakland, California 94612-1888**

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## CLB I (EPA Reg. No. 5813-114) FOR ASPHALT OR WOOD ROOFS AND SIDINGS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

To control fungus and mildew, first remove all physical soil by brushing and hosing with clean water. Apply a 5000 ppm available chlorine solution by brushing or spraying roof or siding. After 30 min[utes], rinse by hosing with clean water.

### CLB I (EPA Reg. No. 5813-114)

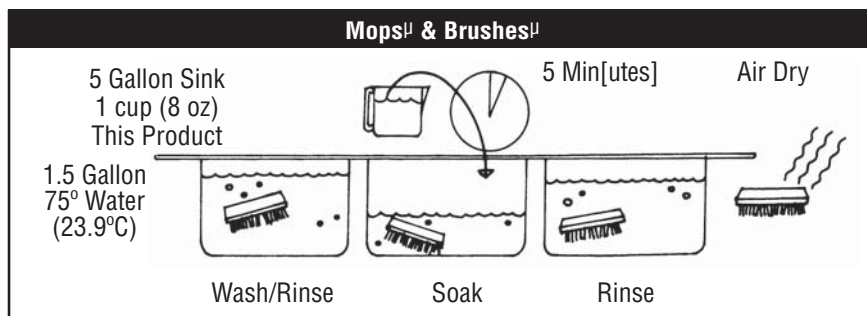
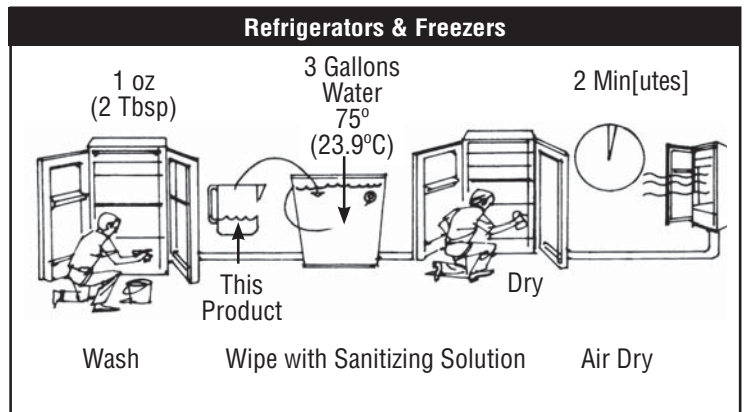
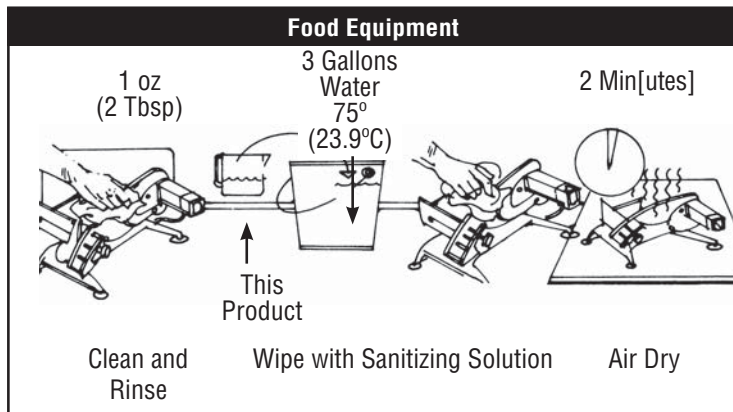
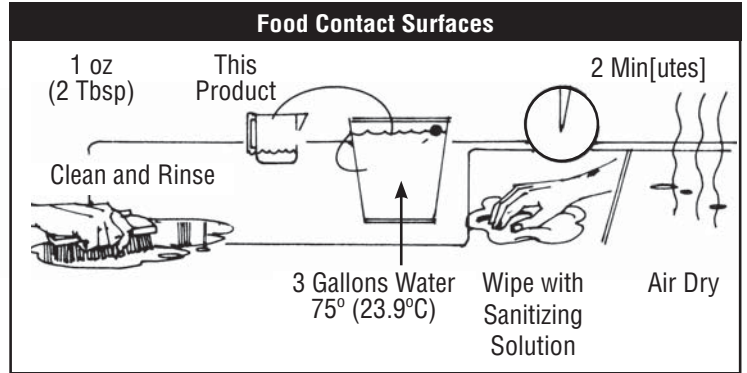
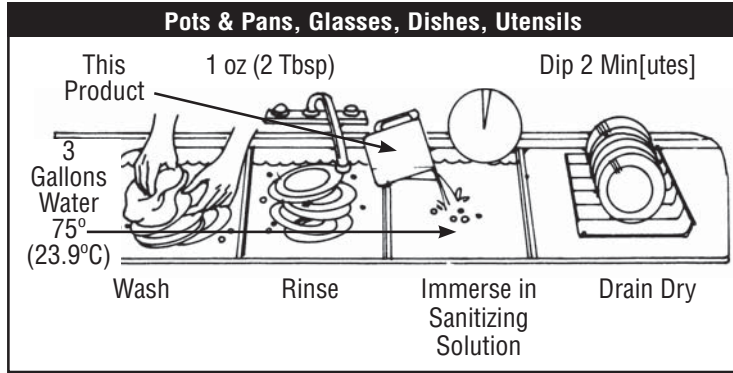
## HOW TO SANITIZE AND DISINFECT WITH THIS PRODUCT

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

[This product is] An effective multi-purpose sanitizer/disinfectant that kills many bacteria.

2 teaspoons of this product in a gallon of water is equivalent to 150 parts per million (ppm) available chlorine [(equivalent performance to 200 ppm [[test] standard])]. DO NOT use this product full strength for cleaning surfaces. Always dilute strictly in accordance with the directions. For prolonged use, wear gloves.

### TO SANITIZE

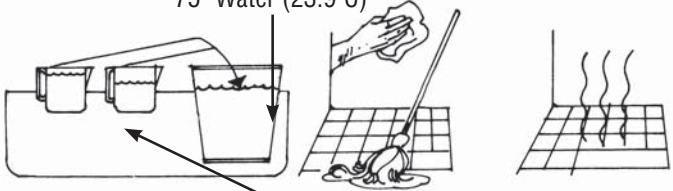
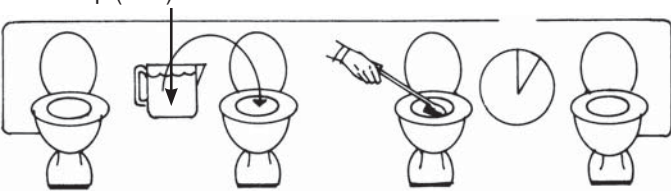


### CLB I (EPA Reg. No. 5813-114)

#### HOW TO SANITIZE AND DISINFECT WITH THIS PRODUCT continued

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

#### TO DISINFECT

Floors & Walls	Toilets
<p>3 Gallons Warm Water 75° Water (23.9°C)</p> <p>Mop for 5 Min[utes]</p> <p>Pre-wash Surface to be Treated</p> <p>1 1/2 cups (12 oz) This Product</p> <p>Rinse &amp; Let Dry</p> 	<p>1/2 cup (4 oz) This Product</p> <p>Soak 5 Min[utes]</p> <p>Flush</p> <p>Brush</p> <p>Flush</p> 

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## CLB I (EPA Reg. No. 5813-114) IN SANITATION OF RESTAURANTS AND TAVERNS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

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 food contact [work] surfaces (not utensils):** After each use, scrub thoroughly with hot suds; rinse with clear, cold water. Then prepare a 150 ppm available chlorine sanitizing solution [(equivalent performance to 200 ppm [[test] standard])]. Apply this solution 2 min[utes]. Air dry.

**To disinfect work surfaces (not utensils):** After each use, scrub thoroughly with hot suds; rinse with clear, cold water. Then prepare a 1800 ppm available chlorine disinfecting solution. Apply this solution 5 min[utes]. Rinse with potable water. Air dry.

**To sanitize dishes, glassware, utensils:** Wash thoroughly; then soak 2 min[utes] in a 150 ppm available chlorine solution [made with hot water] [(equivalent performance to 200 ppm [[test] standard])]. [Use the Dilution Table to make the desired dilution]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved. Drain dry. (Do not use on non-stainless steel, aluminum, silver, or chipped enamel. Disinfect these by scalding.)

**Disinfecting sink:** A routine follow-up to dishwashing. First wash sink in hot suds. Drain out sudsy water. Then fill with a 1800 ppm available chlorine solution. Let stand 5 min[utes]. Rinse sink.

**Sanitizing dishcloths:** This product can help you deodorize and sanitize dishcloths. Fill sink with 1 gallon of water. Add 1/2 cup of this product. Soak dishcloths in solution for 5 min[utes], then rinse dishcloths.

**To deodorize drain pipes:** Flush with very hot water followed by 1/2 cup of this product. Wait 5 min[utes]; flush out with clear water.

**To sanitize refrigerators:** Remove food before using this product. First wash inside surfaces. Then wipe with a 150 ppm available chlorine solution made with warm water [(equivalent performance to 200 ppm [[test] standard])]. Let stand for [at least] 2 min[utes]. Air dry. (Do not use on non-stainless steel, aluminum, silver, or chipped enamel.)

**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. Rinse thoroughly with clean, clear water; drain. Immediately before use, sanitize for 2 min[utes] with a 150 ppm available chlorine solution [(equivalent performance to 200 ppm [[test] standard])]; drain thoroughly.

**To disinfect hard, nonporous floors (plastic or ceramic tile):** Prepare a 1800 ppm available chlorine solution. Mop or scrub. (Do not use on cork or linoleum.) Let stand 5 min[utes]. Rinse.

**To sanitize brushes<sup>u</sup>, mops<sup>u</sup> and brooms<sup>u</sup>:** After using brushes, mops and brooms, wash thoroughly; then soak for 5 min[utes] in a 2300 ppm available chlorine solution made with warm water. Rinse with clear water; dry. (Do not use on -or- with cellulose sponge mops.)

**Pails and dustpans:** Remove heavy dirt prior to cleaning. Wash with a 1800 ppm available chlorine solution. Let stand 5 min[utes]. Rinse with clear, cold water. Air dry.

**To deodorize and sanitize garbage cans -and/or- diaper pails:** Remove heavy dirt with a cleaner. Rinse. Pour in a 2300 ppm available chlorine solution. Swab inside surfaces with this solution. Let stand 2 min[utes]. Rinse with clear water; dry.

**DILUTION TABLE: PPM (Parts Per Million Available Chlorine).**

Degrades with age and exposure to sunlight and heat. Check the level of available chlorine with a test kit.

1/3 oz this product (2 tsp)	+ 1 Gallon Water	= 150 ppm
[(Equivalent performance to 200 ppm [[test] standard] for food contact surface sanitization)]		
4 oz this product (1/2 cup)	+ 1 Gallon Water	= 1800 ppm
4 oz this product (1/2 cup)	+ 3/4 Gallon Water	= 2300 ppm



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## CLB I (EPA Reg. No. 5813-114)

### IN SANITIZING CYCLE OF CHEMICAL SANITIZING DISHWASHING MACHINES

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

This product is an approved sanitizing agent for use in the sanitizing cycle of chemical sanitizing dishwashing machines.

#### Directions for Use:

1. Hook up a Clorox bleach -or- ***This Product*** bottle to the automatic bleach dispensing system of the chemical sanitizing dishwashing machine. If the bottle is already in place, make sure that sufficient product remains in the bottle to complete the dishwashing job.
2. Wash tableware in the machine following the manufacturer's operating instructions.
3. After the washing/rinsing/sanitizing cycles are completed, remove the dishwashing rack. Let stand 2 min[utes]. Allow the tableware to air dry.

**Caution:** Do not sanitize silverware or pewter with this product as these metals may darken.

#### Bleach Dispensing System Adjustments

The following steps must be followed before using a new chemical sanitizing dishwashing machine and on a regular basis thereafter:

- a. Start machine and let run until the machine has begun the final rinse cycle.
- b. Take a sample of the rinse water.
- c. Using a chlorine test kit, determine the parts per million (ppm) of available chlorine in the sample.
- d. If the ppm of available chlorine is lower than the minimum or higher than the maximum level of available chlorine permitted by local public health authorities, adjust the bleach dispensing system.
- e. Repeat steps "a" through "c" until a correct ppm of available chlorine is achieved.

Your equipment service representative or dishwashing detergent supplier will often make these adjustments for you.

#### Correct Chlorine Concentration

Local public health codes vary with regard to the parts per million of available chlorine permitted in the final rinse water of chemical sanitizing dishwashing machines. The minimum level is 50 ppm of available chlorine with a maximum level of 200 ppm, although some states require 100 ppm minimum level. Check with your local public health department on the applicable regulations for your area.

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## CLB I (EPA Reg. No. 5813-114)

### FOR CROP/SITE TREATMENT

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

#### CROP/SITE: ASPARAGUS SEED TREATMENT

Target Pest/Problem:

To aid in the prevention of asparagus root rot (*Fusarium oxysporium* and *F. asparagi*)

Dosage:

6000 ppm available chlorine solution.

Dilution or Application Rate:

Use 1 gallon of solution per pound of seed.

Method of Application:

Wash seed in solution for 40 min[utes], providing continuous agitation. After washing seed, spread and air dry.

Frequency/Timing of Applications:

1 application.

Preharvest Interval:

Preplant 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.

### **CROP/SITE: PEPPER SEED TREATMENT**

Target Pest/Problem:

To aid in the prevention of bacterial spot (*Xanthomonas vesicatoria*)

Dosage:

10,000 ppm available chlorine solution.

Dilution or Application Rate:

Use 1 gallon of solution per pound of seed.

Method of Application:

Wash seed in solution for 40 min[utes], providing continuous agitation. After washing seed, spread to air dry.

Frequency/Timing of Application:

1 application.

Preharvest Interval:

Preplant treatment.

Other Requirements:

Do not use treated seed for food or feed. Allow to dry before storing, planting, or treating with other chemicals. Prepare fresh solution for each batch of seed.

### **CROP/SITE: TOMATO SEED TREATMENT**

Target Pest/Problem:

To aid in the control of bacterial canker (*Corynebacterium michiganense*) and tobacco mosaic virus (TMV).

Dosage:

10,000 ppm available chlorine solution.

Dilution or Application Rate:

Use 1 gallon solution per pound of seed.

Method of Application:

Wash seed in solution for 40 min[utes], providing continuous agitation. After washing seed, spread to air dry.

Frequency/Timing of Application:

1 application.

Preharvest Interval:

Preplant treatment.

Other Requirements:

Do not use treated seed for food or feed. Allow to dry before storing, planting, or treating with other chemicals. Prepare fresh solution for each batch of seed.

### **CROP/SITE: RICE SEED TREATMENT**

Target Pest/Problem:

For prevention of bakanae disease *Fusarium fujikuroi* [syn *F. moniliforme*] -or- *Gibberella fujikuroi*

Dosage:

3000 ppm available chlorine solution.

Dilution or Application Rate:

5 gallons of solution per 95 gallons water.

Method of Application:

Using a thoroughly pre-mixed 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 Rate:

2.5 gallons solution per 97.5 gallons of water.



Method of Application:

Using a thoroughly pre-mixed solution, soak and drain seed as usual (no rinse required). Do not apply undiluted product directly to seed.

Frequency/Timing of Applications:

1 application during preplant soaking of seed.

Pre-harvest Interval:

Preplant treatment.

Other Requirements:

Do not use treated seeds for food or feed. Prepare fresh solution for each batch of seed.

**Note: this language applicable to any seed treatment listed above**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear coveralls worn over long-sleeved shirt and long pants, chemical-resistant footwear, chemical-resistant gloves made of any waterproof material, rubber boots plus socks and protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS STATEMENTS**

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the worker protection standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. **IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.]

THIS LABEL MUST BE IN POSSESSION OF THE USER.

REFER TO THE MAIN LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**USER SAFETY REQUIREMENTS**

**USERS MUST:**

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the worker protection standard, 40 CFR, part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the worker protection standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the worker protection standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls worn over long-sleeved shirt and long pants, chemical-resistant footwear, chemical-resistant gloves made of any waterproof material, rubber boots plus socks, and protective eyewear.

**CLB I (EPA Reg. No. 5813-114)**

**PLANT PARASITIC NEMATODES AND PLANT DISEASE-CAUSING FUNGI QUARANTINE USE DIRECTIONS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

<b>Crop/Site/Commodity:</b>	1. Walks, benches, tools, plant containers in nurseries and other quarantine areas 2. Farm equipment and machinery 3. Laboratory work areas, equipment and specimens 4. Deciduous fruit tree nursery stock (dormant)
<b>Target Pest/Problem:</b>	Plant parasitic nematodes, plant disease-causing fungi and general surface disinfection
<b>Dosage:</b>	See dilution rate.
<b>Dilution or Application Rate:</b>	Six parts water with one part this product (equals approximately 0.85% active ingredient)
	<b>Laboratory work areas, equipment and specimens:</b> Prepare a solution of seven or eight parts water to one part product. Scrub areas and implements thoroughly, then wipe or allow to dry naturally. Workers doing the treatment must wear waterproof gloves. Small tools or implements and other items covered above may be immersed for 5 to 10 min[utes] in the solution instead of scrubbing manually. Wipe off plant tissue or soak tissue in the solution.

<b>Deciduous Fruit Tree Nursery Stock:</b>	Five or six parts water with one part product (equals approximately 0.85% to 1.0% active ingredient)
<b>Method of Application:</b>	Drench and dip method
<b>Deciduous Fruit Tree Nursery Stock:</b>	1. Thoroughly clean all soil from roots. 2. Dip entire tree root system in solution for 30 to 45 seconds. 3. Immediately rinse tree root system with clean water upon removal from dip solution.
<b>Frequency/Timing of Applications:</b>	As needed
<b>Deciduous Fruit Tree Nursery Stock:</b>	One application at harvest (tree-digging period)
<b>Field Reentry After Application:</b>	Not applicable
<b>Preharvest Interval:</b>	Not applicable
<b>Other Requirements:</b>	Do not apply through any type of irrigation system.
<b>Deciduous Fruit Tree Nursery Stock:</b>	Workers required to wear eye protection and waterproof gloves.

**CLB I (EPA Reg. No. 5813-114)**

**KARNAL BUNT QUARANTINE TREATMENT USE DIRECTIONS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

<b>Crop/Site/Commodity:</b>	Tools, conveyances, mechanized farm equipment, seed conditioning or milling equipment, soil moving equipment, or grain elevators and structures used for storing and handling grain
<b>Target Pest/Problem:</b>	Karnal bunt ( <i>Tilletia indica</i> )
<b>Dosage:</b>	See dilution rate.
<b>Dilution Rate:</b>	Mix 1 part this product to 3 parts water (equals approximately 1.5% active ingredient).
<b>Method of Application:</b>	Before treating remove all soil and plant debris. The dilute solution of sodium hypochlorite will be used to wet the point of runoff surfaces potentially exposed to the pathogen. Saturate any soil removed by the treatment with the solution. Wash down the equipment or site thoroughly with clean water after 15 min[utes] to minimize corrosion.
<b>Crop/Site/Commodity:</b>	Wheat and triticale germplasm for research or seed increase use. Commodities may not be used for food, feed or oil purposes.
<b>Target Pest/Problem:</b>	Karnal bunt ( <i>Tilletia indica</i> )
<b>Dosage:</b>	See dilution rate.
<b>Dilution Rate:</b>	Mix 1 part this product to 3 parts water (equals approximately 1.5% active ingredient) with 2mL/L Tween added.
<b>Method of Application:</b>	Treat seed with the dilute solution and agitate for 10 min[utes] at room temperature. Follow seed treatment by a 15 min[ute] rinse with clean, running water, then drying of the seed.
<b>Additional Restrictions, User Precautions and Requirements:</b>	Be sure treated surfaces are dry before handling. Read and follow precautionary statements on product label.

**CLB I (EPA Reg. No. 5813-114)**

**CITRUS CANCKER TREATMENT USE DIRECTIONS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

<b>Crop/Site/Commodity:</b>	T511-1 Citrus and other Rutaceous seeds from citrus canker countries
<b>Target Pest/Problem:</b>	<i>Xanthomonas axonopodis, pv. citri</i> (citrus canker)
<b>Dosage:</b>	See dilution rate.
<b>Dilution Rate:</b>	Mix 1 part of this product to 9 parts water (equals approximately 0.6% active ingredient).
<b>Method of Application:</b>	T511-1 seeds shall be treated for possible infection with citrus canker bacteria by first washing seeds if any mucilaginous materials are adhering. Next, immerse the seeds in water at 125 degrees F or higher for 10 min[utes]. Then immerse seeds for a period of at least 2 min[utes] in a 0.6% sodium hypochlorite solution. Drain, dry and repack near original moisture content.

**CLB I (EPA Reg. No. 5813-114)  
SOUTHERN SEA OAT SEEDS (*UNIOLA PANICULATA*)**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

<b>Crop/Site/Commodity:</b>	Southern sea oat seeds ( <i>Uniola Paniculata</i> )
<b>Target Pest/Problem:</b>	Plant disease-causing bacteria and fungi
<b>Dilution of Product:</b>	Mix 1 part of this product to 1.2 parts water (27000 ppm).
<b>Method of Application:</b>	Soak seeds in solution for 15 min[utes], rinse with tap water and allow to dry at 21°C (70°F) for 30 min[utes]. Store in cool dry location prior to germination.
<b>Frequency/Timing of Application:</b>	Treat seeds prior to germination.
<b>Precautions:</b>	As sodium hypochlorite is corrosive to many metals, chains and other machine parts must be either plastic or plastic coated and must be rinsed with clear water after use of product. Do not mix full-strength product or treatment solution with any other agricultural chemical, ammonia, or acid. Read and follow precautionary statements on product label.
<b>NOTE:</b>	DO NOT USE TREATED SEED FOR FOOD OR FEED. Use bleach treatment only on crops and for the purposes listed. Apply only as specified above.

**CLB I (EPA Reg. No. 5813-114)  
FOR FRUIT & VEGETABLE WASHING (*commercial use only*)**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

Thoroughly clean all fruits and vegetables in a wash tank. Prepare a sanitizing solution of 25 ppm available chlorine. After draining the tank, submerge fruit or vegetables for 2 min[utes] 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.

**CLB I (EPA Reg. No. 5813-114)  
AS A FUNGICIDE FOR SEED POTATOES**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

This product is fungicidal to the Verticillium wilt organism *V. albo-atrum* (microsclerotial type) on seed potatoes. A bleach solution of this product is applied to whole seed and freshly cut seed potato pieces during the cutting operation for planting. [Research at the Washington State University Irrigated Agriculture Research and Extension Center<sup>2</sup> has shown that treatment with a sodium hypochlorite solution helps to prevent the spread of organisms to uninfected soil or fields via seed potato surfaces.]

**Use Instructions**

Thoroughly mix a solution of 6000 ppm available chlorine for spraying. Use this solution to spray freshly 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 is 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 prolonged contact of this product with skin. Wear safety glasses. If full strength or diluted bleach is splashed in the 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. Wear 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 clear water after use.

**NOTE:** DO NOT USE THE TREATED SEED FOR FOOD OR FEED. Use the bleach treatment only on crops and for the purposes recommended. Apply only as specified above. Do not apply in a dipping operation or bleach solution may become contaminated with soil and organic matter from the potato surfaces and lose its effectiveness.

<sup>2</sup>Easton, G.D., M.E. Nagle, and D.L. Bailey, 1972. "Verticillium albo-atrum Carried by Certified Seed Potatoes into Washington and Control by Chemicals", *American Potato Journal* 49: 397-402.

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### CLB I (EPA Reg. No. 5813-114) FOR MEAT AND POULTRY PROCESSING WATER

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

This product may be used in processing water of meat and poultry plants at concentrations up to 5 ppm (parts per million) calculated as available chlorine. 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 wash water at concentrations between 25 and 50 ppm calculated as available chlorine. [Use the Dilution Table to make the desired dilution]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved. Chlorine must be dispensed at a constant and uniform level and the method or system must be such that a controlled rate is maintained. Do not recirculate or re-use processing water.

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### CLB I (EPA Reg. No. 5813-114) FOR SANITIZING SOLUTIONS FOR EQUIPMENT AND UTENSILS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

This product is authorized for use as a sanitizing solution in official establishments operating under the USDA meat, poultry, shell egg grading 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 ~~20~~150 ppm (parts per million) available chlorine. [Use the Dilution Table to make the desired dilution]. [Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved.] The bleach solution must be applied by spraying, soaking or scrubbing. Treated surfaces must remain wet for at least 2 -or- two min[utes].

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 must remain to adulterate or otherwise affect edible products.

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**CLB I (EPA Reg. No. 5813-114)  
FOR MEAT & POULTRY PLANT LAUNDRY USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

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 reach 160 ppm (parts per million) available chlorine (2/3 cup of bleach per standard washer, 1 cup for extra large washers or heavily soiled loads). Use a good detergent. [Use the Dilution Table to make the desired dilution]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved. Adjust to exactly 160 ppm available chlorine.

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**CLB I (EPA Reg. No. 5813-114)  
SANITATION IN CARE OF SWINE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**Hog houses and farrowing houses - To clean and disinfect:**

- (1) Pre-clean by removing loose dirt, litter and debris. Dirty or coated surfaces cannot be disinfected.
- (2) Prepare a 2300 ppm available chlorine solution. Let stand for [at least] 5 min[utes].
- (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 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 detergents and rinse with water.

Ventilate buildings, cars, boats and other closed spaces. Do not house livestock, poultry or employ equipment until chlorine has dissipated. All treated feed racks, mangers, troughs, automatic feeders, fountains and waterers must be rinsed with potable water before reuse.

**Clean and disinfect metal watering troughs and feeders** by pressure-spraying or scrubbing with a of 2300 ppm available chlorine solution. Let stand for [at least] 5 min[utes]. Rinse thoroughly with clear, cold water; drain dry. (Clean and disinfect drinking troughs and feeders 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.)

**NOTE:** Clean metal surfaces can be sanitized using the above method. Wooden surfaces are difficult to sanitize by any method.

[Use the Dilution Table to make the desired dilution]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved.

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**CLB I (EPA Reg. No. 5813-114)  
FOR POULTRY CARE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

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 min[ute]. Use in glass, porcelain, stoneware or concrete containers. Clean containers daily; rinse.

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

When cleaning drinking water containers, etc., an 1800 ppm available chlorine solution is effective in removing the slime. **DO NOT ALLOW BIRDS TO DRINK THIS SOLUTION.**

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

- (1) Remove all litter, loose dirt and debris.
- (2) Prepare a 2300 ppm available chlorine solution.
- (3) Using this solution, scrub or pressure-spray all exposed areas, including floor, walls, ceiling posts and support beams. Let stand for 5 min[utes].
- (4) Rinse with clean, clear, cold water.
- (5) Let dry thoroughly before introducing poultry.

**Metal incubators, feeders, water containers, other poultry equipment and utensils - To clean and disinfect:** Preclean removing loose dirt and debris. Scrub or pressure-spray with a 2300 ppm available chlorine solution. Let stand [for] 2 [at least] 5 min[utes]. Rinse with clear, **cold** water. Let dry.

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

Air-dry eggs as rapidly as possible. Store in cool (55° F) 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. This contamination can be reduced by thoroughly flushing all equipment immediately before use with a solution of 200 ppm available chlorine.

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### CLB I (EPA Reg. No. 5813-114)

#### SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A VIRUS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

FOR INACTIVATION OF AVIAN INFLUENZA A **VIRUS** IN POULTRY HOUSES, BROODERS, HATCHERIES:

1. Remove all poultry or animals and feeds from the premises, trucks, vehicles, coops, crates and enclosures.
2. Remove all litter and manure or droppings from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals or poultry.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Mix 1 part of this product with 32 parts water. Saturate all surfaces with the disinfecting solution for 5 min[utes].
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
7. Ventilate buildings, coops, and other closed spaces. Do not house livestock or poultry or employ equipment until treatment has been absorbed, set, or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.



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### **CLB I (EPA Reg. No. 5813-114) IN CARE OF LIVESTOCK, HORSES, PETS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**To clean and disinfect barns, stables, hutches, kennels:** Preclean removing all litter, loose dirt and debris. Prepare a 2300 ppm available chlorine solution. 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 min[utes]. Rinse with clean, clear, **cold** water. Let area dry thoroughly before housing animals.

**Loading and hauling equipment:** Loading chutes, trucks, trailers and other equipment for transportation of animals must be cleaned and disinfected prior to use. Pressure-spray or scrub with a 2300 ppm available chlorine solution. Let stand for [at least] 5 min[utes]. Rinse with clean, clear, **cold** water. Allow to dry before use.

**Feeders and drinking water containers - to clean and disinfect:** Thoroughly scrub or pressure-spray with a 2300 ppm available chlorine solution. Let stand for [at least] 5 min[utes]. Rinse thoroughly with clear, **cold** water; allow to drain dry. (A solution of 1800 ppm available chlorine 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. (See directions above.)

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### **CLB I (EPA Reg. No. 5813-114) FOR FOOD EGG SANITIZATION**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**To sanitize food eggs:** Thoroughly clean all eggs. Prepare a 200 ppm available chlorine solution. Let stand [for] 10 min[utes]. The sanitizer temperature must not exceed 130° F. 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.

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### **CLB I (EPA Reg. No. 5813-114) FOR DAIRY AND CREAMERY EQUIPMENT SANITATION**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

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 period of at least 2 min[utes] to a 150 ppm available chlorine solution must be maintained when the solution temperature is 75° F. [Use the Dilution Table to make the desired dilution]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved. Lower solution temperatures result in slower action; for each 18° F 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 temperatures by increasing the concentration of this product.

You must clean out large deposits of milk or other organic matter before applying this product/water 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. If this occurs, investigate promptly.

**RUBBER TEAT CUPS AND TUBES** - Before each milking, prepare a 150 ppm available chlorine sanitizing solution. Dip teat cups into this solution for 2 min[utes] 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 150 ppm available chlorine sanitizing solution in earthenware, glass, porcelain or stoneware containers. Submerge cups in this solution for 2 min[utes], holding ends of tubes; coil tubes slowly into solution between milkings; drain thoroughly before using.

To maintain sanitizing solution at proper strength, add 1/2 oz of this product daily (in hot weather, 3/4 oz) for each 3 gallons water, mix well. Old solution may be utilized for deodorizing and making floors and drains sanitary; for this purpose, add 1 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 150 ppm available chlorine sanitizing solution; place solution in bottle above rack for 2 min[utes]. Place tubes and cups in rack; fill with solution and let stand between milkings; 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 150 ppm available chlorine sanitizing solution. Dip teat cups into this solution before transferring them from one cow to another.

**To sanitize:** After each milking, rinse cups and tubes with cold water. Wash in detergent solution; rinse in a 150 ppm available chlorine solution for 2 min[utes]; drain thoroughly and dry before using. **(Do NOT leave metal cups in bleach solution.)**

**To clean and sanitize 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 150 ppm available chlorine solution. Water temperature must be 100° F to 130° F. **(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.**<sup>56</sup>

**Cleaning in place - bulk storage tanks, dairy pipelines, transfer stations:** Immediately after emptying milk, flush surfaces with a large volume of clear, lukewarm water until water runs completely clear. Thoroughly mix solution of 1 oz of your [regular] [powdered] detergent with each gallon of a 150 ppm available chlorine solution. Use hot water if available, and maintain the temperature of the solution at 120-160° F throughout the entire circulation. **(DO NOT USE THIS PRODUCT WITH ACID CLEANERS OR MILK STONE REMOVERS.)** Circulate the sanitizing solution through the system for 10 to 15 min[utes] (Brush-wash with solution all parts not coming 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 directions shown below.**<sup>56</sup>

**Separators, strainers, milk cans, pails, 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 150 ppm available chlorine solution. Rinse with clean, clear water; drain thoroughly. Air dry. **Immediately before use, sanitize according to directions shown below.**<sup>56</sup>

**Milk bottles - To sanitize:** Clean and rinse, then immerse for 2 min[utes] in a 150 ppm available chlorine solution prepared with cold or lukewarm water; drain; fill. If bottles are not filled 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 bleach 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 150 ppm available chlorine solution. Let stand 2 min[utes]. Rinse thoroughly with clean, clear water; drain. Air dry. **Immediately before use, sanitize according to directions shown below.**<sup>56</sup>

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**CLB I (EPA Reg. No. 5813-114)**  
**FISH PONDS AND EQUIPMENT**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**Fish Ponds:** Remove fish from ponds prior to treatment. Thoroughly mix 220 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 min[utes]. Return fish to pond after the available chlorine level reaches zero.

**Fish Pond Equipment:** Thoroughly clean all equipment prior to treatment. Thoroughly mix 5 oz of this product to 10 gallons of water to obtain 200 ppm available chlorine. Soak porous equipment for one hour.

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**CLB I (EPA Reg. No. 5813-114)**  
**MAINE LOBSTER PONDS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

Remove lobsters, seaweed, etc. from ponds prior to treatment. Drain the pond. Thoroughly mix 13000 oz of this product to 10,000 gallons of water to obtain 600 ppm available chlorine. Apply so that all barrows, gates, rocks and dams are treated with product. Permit high tide to fill the pond then close gates. Allow water to stand for 2 to 3 days until the available chlorine level reaches zero. Open gates and allow 2 tidal cycles to flush the pond before returning lobsters to pond.

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**CLB I (EPA Reg. No. 5813-114)**  
**CONDITIONING LIVE OYSTERS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

Thoroughly mix 12 oz of this product to 10,000 gallons of water to 50 - 70°F to obtain 0.5 ppm available chlorine. Expose oysters to this solution for at least 15 min[utes], 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°F.

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**CLB I (EPA Reg. No. 5813-114)**  
**CONTROL OF SCAVENGERS IN FISH HATCHERY PONDS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

Prepare a solution containing 200 ppm of available chlorine by mixing 5 oz of this 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 chlorine test kit.

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**CLB I (EPA Reg. No. 5813-114)**  
**FOR EMERGENCY DISINFECTION OF DRINKING WATER (POTABLE)**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**Emergency disinfection:**

When boiling of water for 1 min[ute] 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 8 drops to 1 gallon of water [(2 drops to 1 quart)] or add 1/8 teaspoon of this product to 1.5 gallons of water. Allow the treated water to stand for 30 min[utes]. Properly treated water will have a slight chlorine odor. If not, repeat dosage and allow the water to stand an additional 15 min[utes]. The treated water can then be made palatable by pouring it between clean containers several times.

For cloudy water, use 16 drops per 1 gallon of water [(4 drops to 1 quart)] or add 1/4 teaspoon of this product per 1.5 gallons of water. If no chlorine odor is apparent after 30 min[utes], repeat dosage and wait an additional 15 min[utes].

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**CLB I (EPA Reg. No. 5813-114)**  
**FOR DISINFECTION OF POTABLE DRINKING WATER SYSTEMS**  
**(Public and Individual Systems)**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**Public system:**

Mix a ratio of this product to water to produce a 10 ppm available chlorine by weight. 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:**

**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 pipesleeve 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 the 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, disinfect the well. Consult your local Health Department for further details.

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**CLB I (EPA Reg. No. 5813-114)**  
**FOR EMERGENCY DISINFECTION AFTER FLOODS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**Wells:**

Thoroughly flush contaminated casing with a 500 ppm available chlorine solution. 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. Re-treat well if water samples are biologically unacceptable.

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**CLB I (EPA Reg. No. 5813-114)**  
**FOR EMERGENCY DISINFECTION AFTER FIRES**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**Cross connections or emergency connections:**

Set up the hypochlorination or gravity feed equipment 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.

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**CLB I (EPA Reg. No. 5813-114)**  
**FOR EMERGENCY DISINFECTION AFTER DROUGHTS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**A. Supplementary water supplies:**

Set up the gravity or mechanical hypochlorite feeders on a supplementary line to dose the water to a minimum chlorine residual of 0.2 ppm after a 20 min[ute] contact time. Use a chlorine test kit.

**B. 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 min[utes]. During the filling of the containers, dose with sufficient amounts of this product to provide at least a 0.22 ppm chlorine residual. Use a chlorine test kit.

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**CLB I (EPA Reg. No. 5813-114)**  
**FOR EMERGENCY DISINFECTION AFTER MAIN BREAKS**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**Mains:**

Before assembly of the repaired section, flush out mud and soil. Permit water flow of at least 2.5 feet per min[ute] 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.

**CLB I (EPA Reg. No. 5813-114)  
FOR SPAS, HOT TUBS AND IMMERSION TANKS, ETC.**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

**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 determined by a suitable chlorine test kit. Adjust and maintain pool water pH to between 7.2 and 7.8. Some oils, lotions, fragrances, cleansers, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product.

- 1. Maintaining 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 3/4 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 reenter 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.

**CLB I (EPA Reg. No. 5813-114)  
FOR WADING POOL DISINFECTION**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

This product—a 6.05% sodium hypochlorite solution containing approximately 5.75% available chlorine by weight—is a convenient, economical source of chlorine for water treatment in swimming and wading pools. Also, because this product is a liquid with no insoluble particles, it is especially suitable for this use.

In chlorinating wading pools, use 1/8 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. (This product will not harm plastic pools.)

Do not reenter 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. Add three-fourths -or- 3/4 ounce -or- [fl] oz of this product to every 100 gallons of pool water.

Pool Diameter Depth of Water	4 Ft	6 Ft	8 Ft	10 Ft	15 Ft
6 inches	1/16 cup	1/8 cup	1/4 cup	3/8 cup	3/4 cup
1 foot	1/8 cup	1/4 cup	1/2 cup	3/4 cup	1 5/8 cup
2 feet	1/4 cup	1/2 cup	1 cup	1 1/2 cup	3 1/4 cup
3 feet	3/8 cup	3/4 cup	1 1/2 cup	2 1/4 cup	5 cups

**TABLE OF LIQUID MEASURES**

3 tsp	=	1 Tbsp	=	1/2 ounce	=	1/16 cup
16 Tbsp	=	8 ounces	=	1 cup	=	1/2 pint

Stabilized pools must 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.



## **CLB I (EPA Reg. No. 5813-114) FOR SWIMMING POOL DISINFECTION**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Labeling must be in possession of user at time of application. Read and follow label affixed to the container. Refer to container label for use precautions and further information.

This product is a 6.05% sodium hypochlorite solution containing approximately 5.75% available chlorine by weight. The purity of its ingredients and the carefully supervised process of its manufacture make this product a quality source of chlorine for water treatment in swimming and wading pools. This product is especially suitable for use in chlorinators as it is a liquid and has no insoluble particles. 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.

<b>Swimming Pool Size in Gallons</b>	<b>Initial Dosage of this product</b>	<b>Swimming Pool Size in Gallons</b>	<b>Initial Dosage of this product</b>
5,000	3 cups	20,000	13 cups
6,000	4 cups	25,000	17 cups
8,000	5 cups	30,000	20 cups
10,000	6 cups	35,000	23 cups
15,000	10 cups		

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

To determine the volume of water in the pool when filled, figure 7 1/2 gallons of water for each cubic foot of pool capacity. One quart of this product per 6,000 gallons of water will supply approximately 2 ppm (parts per million) available chlorine, but this may dissipate rather rapidly in new water depending on the general sanitation conditions of the pool. Repeat dosage as needed to obtain 0.6 to 1.0 ppm available chlorine. [Use the Dilution Table to make the desired dilution]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved.

In chlorinating a swimming pool, mix the required amount of this product with 10 parts water and feed this solution through a chlorinator 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 throughout one complete circulation. If this product cannot be fed into the main water supply line, mix 1/2 pint 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 scattered 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 chlorine. One pint of this product per 6,000 gallons of water will supply approximately 1.0 ppm available chlorine. Frequency of application of this dosage will vary depending on number of people using the pool, weather conditions (sunlight exposure) and general cleanliness of the pool area. Maintain the chlorine level for acid-stabilized pools at 1.0 to 1.5 ppm available chlorine.

Re-entry to treated pools is prohibited above 4 ppm due to risk of bodily harm.

Every 7 days, or as necessary, superchlorinate the pool with 100-200 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 reenter pool until the chlorine residual is between 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 kit and adjusted as necessary.

The regular use 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, it may be corrected by doubling the initial dosage of this product for a few treatments (2 quarts instead of 1 quart per 6,000 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 or walls of the pool, scrub pool with a solution of 1/2 gallon of this product to 5 gallons of water applying solution with a fiber brush. Scrub the pool while wet and then rinse off after algae growth has been removed. Flush all of the growth and dirty solution from the pool with clear water before the pool is refilled. Avoid skin contact with undiluted product; if such contact occurs, rinse immediately with water. When added, this product has no deleterious effects on the eyes, nasal passages, or skin of people using the pool and will have no effect on swimming apparel.



## CLB I (EPA Reg. No. 5813-114) DILUTION TABLE

To obtain a solution with an approximate available chlorine level (parts per million), thoroughly mix the indicated amounts of bleach and water. [Use the Dilution Table to make the desired dilution]. Use chlorine test strips to quantify the available chlorine. If the available chlorine is less than desired, add a small amount of product slowly and carefully to the dilution and determine the available chlorine with a fresh chlorine test strip. Repeat these steps, as needed, until the desired concentration of chlorine is achieved. Always test to ensure efficacy.

Approximate ppm Available Chlorine	Volume of this product	Volume of Water	Approximate ppm Available Chlorine	Volume of this product	Volume of Water
27000	1 part	1.2 parts	200	1 Tbsp	1 gallon
11,500	1 part	4 parts		5 oz	10 gallons
10,000	1 part	4.5 parts	150	2 tsp (1/3 oz)	1 gallon
8,200	1 part	6 parts		2 Tbsp (1 oz)	3 gallons
7,200	1 part	7 parts	100	2.5 oz	10 gallons
6,000	1 part	9 parts		50	3/4 tsp
2,300	1/2 cup (4 oz)	3/4 gallon	1 gallon		1,000 gallons
	1 cup (8 oz)	1.5 gallons	25	1/2 tsp	1.5 gallons
	2 cups (16 oz)	3 gallons		2.5 tsp	7 1/2 gallons
	1 part	24 parts	10	4 drops	1 quart
1800	1/2 cup (4 oz)	1 gallon		1/4 tsp	1.5 gallons
1500	2.5 gallons	97.5 gallons		16 drops	1 gallon
600	3 Tbsp (1.5 oz)	1 gal[lon]		220 oz	10,000 gallons
	13000 oz	10,000 gallons	5	2 drops	1 quart
500	1 part	120 parts		8 drops	1 gallon
450	1/2 cup (4 oz)	4 gallons		1/8 tsp	1.5 gallons
			0.5	12 oz	10,000 gallons

**DILUTION TABLE: PPM** (Parts Per Million Available Chlorine).  
Degrades with age and exposure to sunlight and heat. Check the level of available chlorine with a test kit.

1/3 oz this product (2 tsp) + 1 Gallon Water = 150 ppm  
[(Equivalent performance to 200 ppm [[test] standard] for food contact surface sanitization)]

4 oz this product (1/2 cup) + 1 Gallon Water = 1800 ppm

4 oz this product (1/2 cup) + 3/4 Gallon Water = 2300 ppm

**Table of Liquid Measures:**

1 drop = 0.0017 oz

1 Tbsp = 3 tsp

1 oz = 2 Tbsp

1 cup = 8 oz

1 pint = 2 cups = 16 oz

1 quart = 4 cups = 2 pints = 32 oz

1 gallon = 4 quarts = 8 pints = 16 cups = 128 oz

### Footnotes

<sup>1</sup> 10 min[ute] contact time

<sup>2</sup> Streptococcus pyogenes

<sup>3</sup> Staphylococcus aureus, MRSA

<sup>4</sup> Sanitizes: Staphylococcus aureus and Klebsiella pneumoniae

<sup>5</sup> Pseudomonas aeruginosa

<sup>56</sup> **BEFORE USE** - Rinse with a 150 ppm available chlorine sanitizing solution for 2 min[utes]; drain thoroughly.

<sup>††7</sup> Rhinovirus [Type 37] and Influenza A virus

<sup>\*8</sup> vs. -or- compared to [previous] Clorox® Regular-Bleach1 [EPA Reg. No. 5813-100]-or- Clorox® Germicidal Bleach [EPA Reg. No. 5813-102]

† Influenza A virus

†† Protect against germs on hard, nonporous surfaces

††† Rhinovirus

#### ‡ Viruses

‡‡ Bloodborne Pathogens

§§ Staphylococcus aureus, Salmonella enterica, Rhinovirus [Type 37] and Influenza A virus.

§§ Staphylococcus aureus, Salmonella enterica, Rhinovirus [Type 37] and Influenza A virus.

§§§§ Extended Spectrum Beta Lactamase producing Escherichia coli

¥¥ Follow [the] Special Instructions for Cleaning Prior to Disinfection [listed on label]

¥¥ *insert organism(s) from List 2A or 2B, with correct corresponding dilution in Directions For Use*

¥¥¥ Methicillin resistant Staphylococcus aureus

ζ For other germs -or- organisms -or- viruses -and/or- bacteria -and/or- fungi, see back label -or- panel

[□ This strain of Multi-drug Resistant Enterococcus faecium has shown resistance to the following antibiotics Ampicillin, Gentamicin]

∞P [on] hard, nonporous surfaces [of]

μ made of hard, nonporous materials

f [This product] removes 10 of the most difficult laundry stains -or- 10 laundry stains: Tea, Coffee, [Red] Wine, [Blue]berry, Spaghetti -or- Tomato Sauce, Chocolate [Syrup], Mustard, Gravy, [Grape] Juice, [Ball Point] Ink.

[‡ vs.] Clorox® Regular-Bleach1 -and/or- Clorox® Performance Bleach -and/or- Clorox® Germicidal Bleach -and/or- Clorox® Commercial Solutions Clorox Germicidal Bleach1 -and/or- previous formula]

[‡‡ [due to] temporary surface treatment -or- conditions surface by reducing soil adhesion]

[‡‡‡ food grease -and/or- food oil -and/or- coffee stains -and/or- tea stains -and/or- soap scum -and/or- water marks -and/or- dirt -and/or- mud -and/or- toothpaste]

† must preclean surface prior to disinfection

‡ [1/2 cup] in 1 gallon of water

\*\* vs. detergent alone

\*\*\* vs. [a/-or- the] [leading] [bargain/-or- value] detergent alone [in HE machines]