

1672-67

4/1/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

APR 1 2014

Mr. Rob R. Adams, Jr., Agent
Jams Austin Company
c/o Adams Technology Systems
5145 Forest Run Trace, Suite B
Alpharetta, GA 30022-4504

Subject: Addition of Logos and Diagrams per PR Notice 98-10
Austin's A-1 Concentrated Bleach 8.25%
EPA Registration Number: **1672-67**
Application Date: December 27, 2013
EPA Receipt Date: January 6, 2014

Dear Mr. Adams:

This acknowledges receipt of your Notification application, submitted under the provisions of FIFRA 3(c)9 and PR Notice 98-10.

Purpose of the Notification:

James Austin Company is submitting logos and diagrams that have been approved previously on similar 8.25% bleach products.

On Page Thirty-nine:

The logos and diagrams being submitted.

General Comments:

Based on the review of the information submitted, the following comments apply.

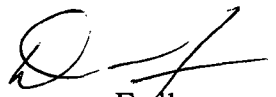
The Notification is **Acceptable**.

A copy of the **accepted** Notification is attached in **Regulatory File Jacket 1672-67** for future reference.

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If you have questions or comments with regard to this Agency Letter, please contact me by email at **Fuller.Demson@epa.gov** by telephone at **703-308-8062**. When you are submitting information or data in response to this Agency Letter, please send a copy of this Agency Letter with your response in order to facilitate processing.

Sincerely yours,



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

NOTIFICATION

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Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 5-31-98

 United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 1672-67	2. EPA Product Manager Monisha Harris	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Austin's A-1 Concentrated Bleach 8.25%	PM # 32	
5. Name and Address of Applicant (Include ZIP Code) James Austin Company c/o Adams Technology Systems 5145 Forest Run Trace - Suite B Alpharetta GA 30022-4504 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.) **NOTIFICATION**


Additional logos and diagrams on page 39 of 39. They have been approved on other labels

*This Notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container		
* Certification must be submitted			<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
			If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Label accompanying product	
6. Manner in Which Label is Affixed to Product			<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled		

Section - IV

1. Contact Person (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rob R. Adams, Jr.	Title Agent	Telephone No. (Include Area Code) 770-751-1073
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent	
5. Typed Name Rob R. Adams, Jr.	5. Date 12/27/2013	

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AUSTIN'S A-1 CONCENTRATED BLEACH 8.25%

[ABN's: Austin's A-1 Concentrated Bleach, Crystal Bleach]

Commercial/Institutional/Household Use DISINFECTS • SANITIZES • DEODORIZES • VIRUCIDE • GERMICIDE

<ul style="list-style-type: none"> • KILLS HIV ON HARD NON-POROUS ENVIRONMENTAL SURFACES • FOR FOOD SERVICE APPLICATIONS • RESTAURANT USE • HOSPITAL USE • REMOVES STAINS • DISINFECTS AND DEODORIZES • WHITENS • BRIGHTENS LAUNDRY • FOOD PROCESSING PLANT USE • FARM - DAIRY USE 	<ul style="list-style-type: none"> • KILLS GERMS • BACTERICIDAL • MILDEWICIDAL • FUNGICIDAL • GERMICIDAL • CONCENTRATED
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This product intended for use on hard non-porous surfaces in commercial, institutional, hospital and household premises (including kitchens, bathrooms, nurseries, sick rooms, laundry rooms) eating establishments, pet kennels, veterinary premises, farms, dairies, and food processing plants.

ACTIVE INGREDIENT:	
Sodium Hypochlorite.....	8.25%
OTHER INGREDIENTS: 91.75%	
TOTAL: 100.00%	
Yields 7.85% available chlorine.	

NOTIFICATION
 Date Reviewed: _____
 Reviewed By: _____

03-11-14
KILLIAN SWIFT

Contains no phosphorus

KEEP OUT OF REACH OF CHILDREN
DANGER
 See Back [Side, or as appropriate] Panel for Additional Cautions

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.
If inhaled	•Move person to fresh air. •If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
If swallowed	•Have person sip a glass of water if able to swallow. •Do not induce vomiting unless told to do so by the poison control center or doctor. •Do not give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	
Call poison control center or doctor immediately for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the International Poison Center at 1-888-740-8712.	

Manufactured by:
 James Austin Company – PO Box 827 Meris, PA, 15045
 MSDS: 1-800-245-1942 – Hotline: 1-866-359-5662

Net Contents: 64 fl. oz. (2 qt.) (1.89 L) [Other sizes permitted]

EPA Reg. No. 1672-67

EPA Est. 1672-PA-1, FL-1, MA-1 or NC-1
 [Alternate EPA Establishments: May be jet coded or designated in the Lot# or Batch#]

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[Optional text in brackets and italics]

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.]

PHYSICAL AND 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.

DO NOT MIX WITH AMMONIA - DO NOT MIX WITH ACIDS

ENVIRONMENTAL HAZARDS

[Five gallon containers and larger]

This product is toxic to fish and aquatic organisms. 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.

[Containers less than five gallons]

Environmental Hazards: This product is toxic to fish and other aquatic organisms.

STORAGE AND DISPOSAL

[For containers one gallon or less]

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. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Recycle empty container or discard in trash. Do not contaminate food or feed by storage and disposal of this product.

STORAGE AND DISPOSAL

[For containers five gallons and less and Professional/Institutional uses - including labels intended for restaurants, medical facilities, daycare facilities]

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. Product or rinsates that cannot be used must be diluted with water before disposal in a sanitary sewer. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Recycle empty container or discard in trash. Do not contaminate food or feed by storage and disposal of this product.

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STORAGE AND DISPOSAL

[For containers greater than five gallons and Professional/Institutional uses - including labels intended for restaurants, medical facilities, daycare facilities]

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.

[Optional Logos + more on the last page.]



- Bottle is coded for recycling where HDPE containers are accepted.
- Recyclable Container
- Bleach does not contain any phosphorus or phosphates.
- Made in U.S.A.
- Not harmful to septic and waste water treatment systems.
- This bottle is coded for recyclers. Check to see if recycling facilities accept colored HDPE in your area. Recycle where [recycling] facilities are available.
- Contains no phosphorus -or- phosphates.



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[All directions may be written in numbered form or in paragraph form.]
 ["This Product" may be replaced with product name throughout this label.]

DIRECTIONS FOR USE

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

[Note to reviewer: this statement only to be used on institutional labels with medical use sites and/or blood borne 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 intended for use to pre-clean or decontaminate critical or semi critical medical devices prior to sterilization or high level disinfection.

	[Amount of this product] Bleach	[Machine or Water]	Instructions
For Laundry Use - Bleaching -and/or- Whitening -and/or- Stain Removal			
Bleachable Fabrics - Colorfast acrylics, cotton, nylon, polyester, rayon. Do not use on acetate, leather, silk, mohair, spandex or wool. To test fabric apply 1 drop of a solution made of 1 1/2 teaspoons of bleach plus 1/4 cup water to inside seam. Blot dry to see if colors fade.	1/2 cup [4 oz] or Maximum line in dispenser or 1 cup [8 oz]	Standard Machine or HE -or- High Efficiency Machine or Extra Large Washer -or- Heavily Stained -or- Soiled Load	1. Sort the laundry by color. 2. Add detergent 3. Fill bleach to maximum line or add 1/2 cup bleach to wash water 4. Add clothes and start wash For best results, dilute bleach with a quart of water and add to wash 5 minutes after the wash cycle has begun.
For Sanitizing -or- To Sanitize			
Work Surfaces [and insert relevant use site(s) from List 5 and/or List 6]	2 tsp [1/3 oz]	1 Gallon	Wash, rinse, wipe surface area with bleach solution for 2 minutes, and 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 2 minutes and let air dry.
Dishes, Glassware, Utensils	2 tsp [1/3 oz]	1 Gallon	Wash and rinse. Soak for 2 minutes in bleach solution and let air dry. -or- To sanitize dishes, glassware, and utensils, wash and rinse. Soak for 2 minutes in a solution of 2 teaspoons of bleach per 1 gallon of water and let air dry.
Refrigerators, Freezers	2 tsp [1/3 oz]	1 Gallon	Remove food from refrigerator -and/or- freezer. Wash, rinse, and wipe surface area with bleach solution for 2 minutes and let air dry.
Plastic Cutting Boards	2 tsp [1/3 oz]	1 Gallon	Wash and rinse. Soak for 2 minutes in bleach solution and let air dry.
Wooden Cutting Boards	2 Tbsp [1 oz]	1 Gallon	Wash, wipe, or rinse with detergent and water, then apply sanitizing -or- bleach solution. Let stand 2 minutes. Rinse with a solution of 2 teaspoons of this product per gallon of water. Do not rinse or soak equipment overnight.
Baby Bottles	2 tsp [1/3 oz]	1 Gallon	Wash and rinse. After washing, soak for 2 minutes in bleach solution, let air dry.
Garbage Cans	1/2 cup [4 oz]	1 Gallon	After washing and rinsing, brush inside with bleach solution. Let stand for 5 minutes before rinsing.
Pet Food Bowls and Water Bowls	2 tsp [1/3 oz]	1 Gallon	Wash and rinse. After washing, soak for 2 minutes in bleach solution and let air dry.
Kitchen Dish Cloths & Rags	1/2 cup [4 oz]	1 Gallon	Pre-wash items. Soak in solution for 5 minutes. Rinse and let air dry.
Laundry -or- Bleachable Fabrics	1/2 cup [4 oz] 1/2 cup [4 oz]	Standard Machine HE -or- High Efficiency Machine	1. Sort the laundry by color. 2. Add detergent 3. Fill bleach to maximum line or add 1/2 cup bleach to wash water 4. Add clothes and start wash Avoid bleaching wool, silk, mohair, leather, spandex, and non-fast colors. Use with detergent

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	[Amount of this product] Bleach	Water	Instructions
For Disinfecting -or- To Disinfect			
Floors, Walls, Vinyl, Glazed Tiles [and insert relevant use site(s) from List 5]	1/2 cup [4 oz]	1 Gallon	Wash surface, mop or wipe with bleach solution. Allow solution to contact surface for 5 minutes. Rinse well and let air dry. -or- To disinfect floors, walls, vinyl, and glazed tiles, pre-wash surface, then mop or wipe with a solution of 1/2 cup of bleach per 1 gallon of water. Allow solution to contact surface for 5 minutes. Rinse well and let air dry. For Pseudomonas aeruginosa, Canine parvovirus and Feline panleukopenia virus, let stand for 10 minutes.
Bathtubs, Showers, Sinks	1/2 cup [4 oz]	1 Gallon	Wash surface and wipe with bleach solution. Allow solution to contact surface for 5 minutes. Rinse well and let air dry.
Nonporous Baby Toys [& Furniture]	1/2 cup [4 oz]	1 Gallon	Wash surface and wipe with bleach solution. Allow solution to contact surface for 5 minutes. Rinse well and let air dry.
Nonporous pet toys - and/or accessories -or- pet areas	1/2 cup [4 oz]	1 Gallon	Wash surface and wipe with bleach solution. Allow solution to contact surface for 5 minutes. Rinse well and let air dry.
Toilet Bowl	3/4 cup [6 oz]	Toilet Bowl	Flush toilet. Pour this product into bowl. Brush bowl, making sure to get under the rim, and let solution stand for 10 minutes and flush again. -or- To disinfect a toilet bowl, flush the toilet. Pour 3/4 cup of bleach into the bowl. Brush bowl, making sure to get under the rim, and let solution stand for 10 minutes and flush again.
For Mold and Mildew and Stain Removal			
All Surfaces	3/4 cup [6 oz]	1 Gallon	Wash surface and wipe with bleach solution. Allow solution to contact surface for 5 minutes. Rinse well and let air dry.
	1/2 cup [4 oz]	1 Gallon	-or- Wash surface and wipe with bleach solution. Allow solution to contact surface for at least 10 minutes. Rinse well and let air dry.
To Deodorize			
Garbage Cans	1/2 cup [4 oz]	1 Gallon	After washing and rinsing, brush inside with bleach solution. Let drain.
Drains	3/4 cup [6 oz]		Flush drains. Pour into drain. Flush with hot water.
For Bleaching or- Whitening			
Wooden Surfaces	1/2 cup [4 oz]	1 Gallon	Apply for 2 minutes, rinse and let air dry.
For Killing Clostridium difficile (C. diff) spores			
For Killing Clostridium difficile (C. diff) spores	1 part	6 1/2 parts	Clean hard, nonporous surfaces by removing gross filth, loose dirt, debris, blood/bodily fluids. Apply 1:7.5 solution (10,000 ppm available chlorine) and let stand for 10 minutes. Rinse and let air dry. Prepare fresh solution daily. Personal Protection: Wear appropriate barrier protection such as gloves, gowns, masks or eye covering. Cleaning Procedure: Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with a clean cloth, mop and/or sponge saturated with the disinfectant product. Cleaning is to include vigorous wiping and/or scrubbing, until all visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right, on horizontal surfaces, and top to bottom, on vertical surfaces, to minimize spreading of the spores. Restrooms are to be cleaned last. Do not reuse soiled cloths. Infectious Materials Disposal: Materials used in the cleaning process that may contain feces/waste are to be disposed of immediately in accordance with local regulations for infectious materials disposal

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	[Amount of this product] Bleach	Water	Instructions
For Hospital and Healthcare Use			
Disinfection To-Kill <i>Pseudomonas aeruginosa</i>	Use 1/2 cup of this product per gallon of water. Wash surface then apply disinfecting bleach solution. Let stand 10 minutes. Rinse thoroughly and let air dry.		

**HOUSEHOLD/COMMERCIAL/INSTITUTIONAL USE
CLOSTRIDIUM DIFFICILE ENDOSPORES**

Special Instructions for Cleaning Prior to Disinfection against Clostridium difficile endospores

Personal Protection: Wear appropriate barrier protection such as gloves, gowns, masks or 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 must include vigorous wiping and/or scrubbing, until visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms must be cleaned in an appropriate manner, with restrooms and other "dirty" areas 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 6.5 parts water to achieve a 1:7.5 dilution (10,000 ppm available chlorine) before use. Clean hard, nonporous surfaces by removing gross filth, loose dirt, debris, blood/bodily fluids. Apply 1:7.5 solution and let stand for 10 minutes. 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.

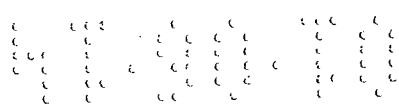
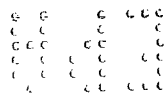
Special Instructions for Cleaning and Decontaminating Against HIV on Surfaces/Objects Soiled with Blood/Body Fluids

This product kills HIV-1 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).

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 of bleach + 1 gallon of water (at least 1700ppm available chlorine) and spray or flood surface; let stand 5 minutes.
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.

**HOSPITAL USE
Hospital and Healthcare Disinfection**

To Kill Pseudomonas aeruginosa: Use 1/2 cup of this product per gallon of water. Wash surface -or- item, then apply disinfecting solution. Let stand 10 minutes. Rinse thoroughly and let air dry.



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LAUNDRY USE

Standard & HE -or- High Efficiency Machines

If uncertain about the dye colorfastness, test fabric by applying 1 drop of a solution made of 1 1/2 teaspoons of this product plus 1/4 cup water to hidden part of seam. Be sure to check all colors. After 1 minute, 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 Stain Removal		
Dose -or- Load	Standard Machine	High Efficiency (HE) Machine
Normal -or- Regular	1/2 cup	Maximum line level in dispenser
Heavily Soiled and Stained	1 cup	Maximum line level in dispenser

- Sort laundry by color.
- Add detergent.
- Fill bleach to maximum line -or- level in dispenser or add 1/2 cup bleach to wash water.
- Add clothes and start wash.

For best laundry results, dilute 1/2 cup of this product in 1 quart of water. Add to wash 5 minutes after the wash cycle has begun. For heavily soiled loads, add slightly more -or- up to 1 cup of this product in a standard washer.

To hand wash, pretreat stains and clean heavy soils, rinse to remove loose soil and fully soak each garment for 5 minutes in a solution of 3 tablespoons 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:

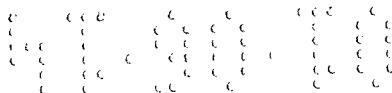
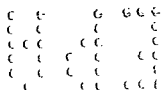
To sanitize laundry: Add 1/2 cup of this product to a standard or HE -or- High Efficiency washer following the laundry use directions. To kill 99.9% of bacteria [or insert organisms from List 1] in your laundry: Add 1/2 cup of this product to a standard washer following the laundry use directions.

High Efficiency Washing Machine Maintenance:

HE washing machine manufacturers recommend 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. 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 recommendations.

If your HE washer doesn't have an automated maintenance cycle, you may perform this function manually. Do not put laundry in the washer.

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



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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.

Use on Hard, Nonporous Surfaces for Disinfecting: *[insert items from List 5: Hard, Nonporous Use Sites]*

Use 1/2 cup of this product per gallon of water. Wash surface, then apply disinfecting bleach solution. Let stand 5 minutes. Rinse thoroughly and let air dry.

Toilet Bowls and bidets: Flush and pour 3/4 cup of this product into bowl. Brush entire bowl including rim with a scrub brush or mop. Let stand 10 minutes before flushing again.

Potty Seats and Trainers: Empty and fill with 1/2 cup of this product per gallon of water. Let stand 5 minutes. Rinse and air dry.

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 minutes. Rinse and air dry.

Mold and Mildew: Use 3/4 cup of this product per gallon of water. Wash, wipe, or rinse items with water, then apply disinfecting -or- bleach solution. Let stand 5 minutes. Rinse and air dry.

Sanitizing

Food Contact Surfaces

To sanitize: *[or insert item from List 6: Food Contact Sanitization Use Sites]* *[or insert item from List 3: Food Contact Sanitization Organisms]* Use approximately 2 teaspoons of this product per gallon of water to prepare a 200 ppm available chlorine solution; use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Wash, wipe, or rinse items with detergent and water, then apply sanitizing -or- bleach solution. Let stand 2 minutes. Let air dry.

Wooden cutting boards: Use approximately two tablespoons of this product per gallon of water to prepare a 600 ppm available chlorine solution; use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Wash, wipe, or rinse items with detergent and water, then apply sanitizing -or- bleach solution. Let stand 2 minutes. Rinse all surfaces with a solution of 2 teaspoons of this product per gallon of water. Do not rinse or soak equipment overnight.

Non-Food Contact Surfaces

To sanitize: *[or insert item from List 5: Hard, Nonporous Use Sites]* *[or insert items from List 4: Non-Food Contact Sanitization Organisms]* Use 1/2 cup of this product per gallon of water. Wash, wipe, or rinse items with detergent and water, then apply sanitizing - or- bleach solution. Let stand 30 seconds. Let air dry.

Fruit & Vegetable Washing:

Thoroughly clean all fruits and vegetables. Mix 1/4 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 minutes. Rinse with water, and let air dry.

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SPRAY APPLICATIONS

This product can be diluted and spray applied for convenient broad spectrum disinfection of hard, nonporous surfaces. [or insert location(s) from List 7]

To disinfect hard nonporous surfaces, clean surface by removing gross filth, loose dirt, debris, and food materials. Make solution by adding 1/2 cup bleach to 1 gallon of water (2400ppm available chlorine). Spray surface using a coarse spray with the solution until thoroughly wet. Allow it to remain on the surface for 5 minutes. Rinse and let air dry. Prepare solutions daily.

[Organisms and the ATCC numbers are optional language]

List 1: Laundry Sanitization Organisms	
Klebsiella pneumoniae	[ATCC 4352]
Methicillin Resistant Staphylococcus aureus (MRSA)	[ATCC 33592]
Pseudomonas aeruginosa	[ATCC 15442]
Staphylococcus aureus	[ATCC 6538]
List 2: Hard, Nonporous Surface Disinfection Organisms	
Bacteria	
Clostridium difficile [(C. diff)] [spore]	[ATCC 700792]
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 (the bacteria that causes Legionnaire's disease)	[ATCC 33153]

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Methicillin resistant Staphylococcus aureus (MRSA)	[ATCC 33592]
Pseudomonas aeruginosa ¹	[ATCC 15442]
Salmonella enterica (a common cause of food-borne illness)	[ATCC 10708]
Shigella dysenteriae (a common cause of food-borne illness)	[ATCC 13313]
Staphylococcus aureus (a common cause of Staph infection)	[ATCC 6538]
Streptococcus pyogenes	[ATCC 9342]
Mold, Mildew, Fungi	
Aspergillus brasiliensis (tested as Aspergillus niger) (mildew)	[ATCC 16404]
Candida albicans	[ATCC 10231]
Trichophyton mentagrophytes (a common cause of Athlete's Foot)	[ATCC 9533]
Viruses Enveloped ‡	
[‡]2009-H1N1 Influenza A virus (Novel H1N1)	Strain AMexico/4108/2009 CDC #2009712192 - VR-1469
[‡]Avian Influenza A virus (H3N2)	Strain AWashington/897/80 X AMallard/ New York/6750/78 - ATCC VR-2072
[‡]Cytomegalovirus	Strain AD-169 - ATCC VR-578
[‡]Herpes Simplex virus type 2 (causative agent of genital herpes)	Strain G - ATCC VR-734
[‡]Human Coronavirus	Strain 229E - ATCC VR-740
[‡]Influenza A virus [Influenza A2 (Flu Virus)]	ATCC VR-544, Strain Hong Kong
[‡]Respiratory Syncytial virus (RSV) (cause of respiratory infections in infants)	Strain Long - ATCC VR-26
[‡]Rubella virus (German Measles virus)	Strain M-33 - ATCC VR-315
[‡]Varicella Zoster Virus	ATCC VR-586
[‡]Viruses Non-Enveloped	
[‡]Adenovirus type 2 (common cause of respiratory infections)	Strain Adenoid 6 - ATCC VR-846
[‡]Canine Parvovirus	Strain Cornell - ATCC VR-953
[‡]Feline Parvovirus (Feline panleukopenia virus)	ATCC VR-648
[‡]Hepatitis Type A virus (HAV)	Strain HM-175
[‡]Rotavirus (most common cause of childhood diarrhea)	Strain WA
[‡]Rhinovirus type 37 (a cause of the common cold)	ATCC VR-1147, Strain 151-1
¹ 10 minute contact time - Follow Special Instructions for Cleaning Prior to Disinfection	
Bloodborne Pathogens	
[‡]Human Immunodeficiency Virus Type 1 (HIV-1)	Strain HTLV-III B
List 3: Food Contact Sanitization Organisms	
Escherichia coli O157:H7 (common cause of food-borne illness)	ATCC 35150
Listeria monocytogenes (common cause of food-borne illness)	ATCC 19111
List 4: Non-Food Contact Sanitization Organisms	
Bacteria	
Klebsiella pneumoniae	ATCC 4352
Staphylococcus aureus (common cause of Staph infection)	ATCC 6538
¹ 10 minute contact time	

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USE SITES AND SURFACES		
List 5: Hard, Nonporous Surface Use Surfaces		
Kitchen: Appliances Brushes Cabinet -or- drawer handles Ceramic or glazed tile floors or countertops Countertops Faucets Floors Freezers Garbage cans Garbage disposals	Glass Latex enamel painted woodwork Linoleum Lunchboxes Ovens Plastic laminate Refrigerator [handles] Refrigerators Sinks Solid surface -or- sealed granite countertops	Stoves Stovetops Thermometers Trash cans Trash compactors Vinyl Walls Work surfaces
Bathroom: Bathtubs Cat litter boxes Combs and brushes Countertops Faucets Floors	Glazed Porcelain Potty seats -or- trainers Shower curtains Shower doors Shower walls Showers	Sinks Thermometers Glazed Tile Toilets [handles] Urinals Vinyl
Baby's Nursery and Items: Baby Bathtubs Bumpers Changing tables	Diaper pails Hard, nonporous toys High chairs	Painted cribs Plastic mattress covers Playpens Restaurant High Chairs
Outdoors: Barbeque grills Bike -or- bicycle Finished woodwork (decks, fences, arbors, trellises, benches, and patio furniture) Flower pots and planters Golf balls and clubs	Outdoor siding Plastic patio furniture Playground sets Sealed Brick Sealed Driveways, walkways, and sidewalks Sealed Patio stone	Sports equipment Sealed Stucco Sides of house Glazed Tile Wading and kiddy pools For heavy soil, preclean surface before disinfecting.
Cars: Dashboard	Door handles	Steering wheel

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USE SITES AND SURFACES <i>continued:</i>		
List 6: Food Contact Sanitization Use Surfaces:		
Baby bottles Countertops Dishes Food Contact Surfaces Freezers	Glassware Plastic [baby] feeding spoons Plastic cutting boards Pots and pans Refrigerators	Sippy cups Stainless cutlery Stainless utensils [Travel] mugs
List 7: Use Sites -or- Locations:		
Airplanes Around the House Ambulances Animal Care Facilities and Hospitals Animal Husbandry Attics Automobiles -or- Cars Barbeque and Grill Areas Bathrooms Cafeterias Casinos Churches Classrooms Clinics Closets Commercial establishments and premises Day Care Centers Dental Offices Diners Dorms Eating establishments Elder Care Center [Emergency] Waiting Rooms Food Processing Plants/Facilities Gyms	Health Clubs Homes [(including kitchens, -and/or bathrooms, -and/or nurseries, -and/or sick rooms, -and/or laundry rooms)] Hospital Premises Hospitals Hotels -or- Motels -or- Condominiums Household Premises Households House[hold]s Institutional [establishments -or- premises] Institutions Kennels Kitchens Laboratories Laundry Locker Room Facilities [Manicure] [Pedicure] Salons Meat Processing Plants Medical Clinics -or- Offices Military Installations Movie Theaters Nursing Homes Nurseries Office Buildings -or- Places -or- Areas -or- Environments	Offices Patient Rooms Pet Kennels Physicians' -or- Pediatricians' Offices Play -or- Common Areas Playrooms Playgrounds Pools [Public] Restrooms Public Transportation Resorts Restaurants School Buses Schools Shelters Shopping Carts Sick Rooms Spas Sports Facilities Storage Areas Stores Timeshares Toilet Areas Universities Veterinary Offices -or- Premises Work places -or- Environments -or- Areas

[New! [& Improved] -or- Now!] (Intended for use as a claim descriptor for the first 6 months of product on shelf)

["This Product" may be replaced with product name throughout this label.]

GENERAL/CLEANING/STAIN REMOVAL/DEODORIZING CLAIMS

- 1/2 cup = 1 load [for the same great result[s]*
- 1.37X Concentrated Bleach*
- 37% More Concentrated*
- A classic -or- essential cleaner -or- cleaning product
- Add This Product to your detergent and get more pristine whites
- All you need [now] is [half] -or- [1/2] [of] [a] cup for your laundry needs!*
- Anti-Allergen (non-living)
- Before 3/4 cup --> Now 1/2 cup for laundry use
- Bleach has never been easier to use!*
- 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
- Brightens whites
- Clean laundry begins with a clean machine
- Clean Pour
- Cleans
- 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]
- Cleaning booster [even] in -or- on cold water washing
- Cold Water Booster
- Commercial -and/or- Institutional Use
- [Compatible] For Use In High Efficiency -or- HE [Washing] Machines
- Concentrated = Same Cleaning -and/or- Whitening Power[!] [as before]*
- [Concentrated [!]] [For the same great result[s] -or- For whitest whites,] [Now] use 1/2 cup**** -or- use [33% -or- 1/4 cup -or- 1/3] less*[!][than before*] [vs. -or- compared to [previous] Regular-Bleach]
- Concentrated formula gives you more cleaning -and/or- whitening per load[*], [**]
- Concentrated formula gives you more cleaning -and/or- Whitening [power] per load [in [an] HE washer[s] -or- machine[s]][*], [**]
- Concentrated formula gives you the same [whitening] -or- [cleaning] [power] or [results] or [performance] as [the -or- your] [previous -or- old -and/or- non-concentrated bleach -or- Regular-Bleach]
- Concentrated formula gives you the same number of uses as the old -or- non-concentrated -or- previous [96 oz] -or- [182 oz] [Regular 6%-Bleach bottle
- [Concentrated formula] [so you can] [-] use less*

- [Concentrated [!]] [Now] use 1/2 cup for laundry [use] -or- use [33% -or- 1/3 -or- 1/4 cup] less [for the same great result[s] -or for whitest whites]*
- Concentrated power to clean -and/or- whiten
- Concentrated This Product
- Concentrated This Product [along] with detergent cleans whites better in cold than detergent alone cleans in hot, saving you money every year [on your energy bills]
- [[Concentrated] This Product] gives you the whitest whites in -or on your energy efficient, cold water loads -or- setting
- [Concentrated This Product Is] [still] great for cleaning!
- [[Concentrated] This Product.] [It] still whitens better than any other bleach
- [[Concentrated] This Product.] [It] still whitens better than any other bleach [in [an] HE washer[s] -or- machine[s]]
- Concentrated - Use Less*
- Concentrated whitening -and/or- cleaning formula -or- power
- Concentrated whitening power [in every drop -or- per wash load] [in [an] HE washer[s] -or- machine[s]]
- 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
- 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.
- Easy way to get whiter whites
- Easy to handle -and/or- use -and/or- carry -and/or- pour -and/or- store -and/or- control [bottle][*] [
- Easier way to get whiter whites*
- Eliminates -or- fights odors
- Eliminates -or- Removes Odors
- For Standard and HE -or- High Efficiency machines
- For Cold Washing
- For A Clean[er], Fresh[er] Household [& -or- and] Laundry
- For odor-free laundry
- For [Use in] Standard -and/or- Top Load -and/or- HE -and/or- Front Load [Washing] Machines
- Freshens
- Gets Even Your Dirtiest Clothes White
- Great For Cold Water [Cleaning]
- Get whitening -or- stain removal with ease
- Gets whites their whitest
- Gives you the [cleanest] [whitest] whites in standard and HE -or- High Efficiency machines

*compared to Regular-6% Bleach
 **in HE washers
 ****for laundry use -or- per load

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GENERAL/CLEANING/STAIN REMOVAL/DEODORIZING CLAIMS [continued]

- [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
- Helps to maintain your HE machine
- High[er] Strength Bleach
- High[er] Strength -or- whitening performance bleach
- Improved -or- better whitening [formula][in an HE -or- a High Efficiency machine][*]
- Improved -or- Better whitening power [in [an] HE machine[s] -or- washer[s]][*], [**]
- Improved stain remover [in [an] HE machine[s] or washer[s]][*], [**]
- Improved whitening -or- stain removal action [in [an] HE machine[s] or washer[s]][*],
- In-wash booster,
- Keep a bottle of *This Product* in the kitchen -and/or- the bathroom -and/or- the laundry room -and/or- the garage
- Laundry Looks -and/or- Smells Clean
- Less water [in the product] gives you more cleaning -or- whitening per load* **
- Less water [in the product] [gives you] more cleaning -or- whitening power -or- ingredients [per load -or- in every drop] [in [an] HE washer[s] -or- machine[s]]*
- Liquid cleaning washing compound
- More Value [Than Before]
- More whitening in every -or- per wash load
- More whitening power [in every drop -or- per wash load] [in [an] HE machine[s] -or- washer[s]][*],
- Now use 1/2 cup instead of 3/4 cup for laundry [whitening]*
- Now with less water [in the product]!*
- [Now] You get more with the new formula when you use the same amount [as before]*
- Only [half] -or- [1/2] a cup for your laundry needs!*
- 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 common Non-living household Allergens
- Remove[s] dirt
- Removes stains -and/or- mildew
- Removes [Tough] Stains [better than detergent alone] [and whitens whites]
- Removes [tough] stains to get [your] whitest whites
- Remove[s] what detergent can -or- may leave behind
- Rids -or- Gets Rid of hard to remove stains [better than detergent alone]
- [Rids] the buildup in [HE] or [High Efficiency] machines
- Same cleaning efficacy as always -or- before*
- Same cleaning -or- stain removing power [as before]*
- Same [great] results [as Regular-Bleach]
- Same number of loads -or- uses[*] [as before* -or- vs. -or-compared to -or- as [previous] Regular-Bleach]
- Same number of uses as [your] 96 oz -or- 182 oz [non-concentrated] Regular-Bleach
- Same number of uses -or- loads as [your] [previous] 96oz - or 182oz [non-concentrated] Regular-Bleach
- Same power to remove stains [as before]*
- Same price as [your] 96 oz -or- 182 oz [non-concentrated] Regular-Bleach
- Same trusted -or- great results with less bleach*
- Same unbeatable whitening -and/or- cleaning [power] [in a bottle that [is designed to] give[s] [me] better control]*
- Same unbeatable whitening [in a bottle that is designed for -or-gives me better control]*
- Sparkling White[s]
- Specially formulated for maximum stability
- Still the same usage amount -or- number of uses as the old -or-previous -and/or- 96 oz -or- 182 oz [Regular-Bleach] bottle
- [Specially formulated] [so you] [now] [only] use 1/2 cup [for laundry [use] [for the same great result[s]] -or- [for whitest whites]]*
- Takes less space in your cupboard*
- The concentrated cleaning power still gets whites their whitest*
- [The] cleaning -and/or- whitening power you want [when you need it]
- [The] household essential
- The Original [All -or- Multi Purpose] Cleaner

- [The same -or- previous amount -or- dose [now]] yields more*
- [The] Same clean [[while] using [even] less]*
- [The same] cleaning excellence -or- excellence in cleaning*
- The same unbeatable -or- unsurpassed whitening*

*vs. -or- compared to [previous] Regular-Bleach **[in [an] HE washer[s] -or- [machine[s]]

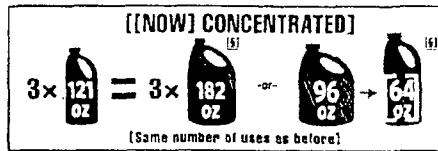
GENERAL/CLEANING/STAIN REMOVAL/DEODORIZING CLAIMS [continued]

- [The] smart[er] way to clean -or- do laundry
- The stain remover for whites
- **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] better -or- improved whitening [than ever before] [in [an] HE washer[s] -or- machine[s]][*], *1
- **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** is] [now[!]] [37% More] concentrated
- **This product** is [now]] concentrated for tough stain removal and is easy to pour*
- **This Product** is [now]] 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** [now] 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]][*], [**]
- Use 1/2 cup [for laundry use -or- per load][for whitest whites -or-for the same great result[s]]*
- Use 1/2 cup instead of 3/4 cup for laundry [whitening -and/or- cleaning]*
- Use 1/2 cup vs. 3/4 cup [for laundry [use]]*
- Use less [bleach] [for] [the same] [great] [results]*
- Use less [,] [for the] same cleaning power [as before]*
- Use less vs. other non-concentrated bleach
- 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][*], [**]
- Use **This Product** and see the difference [in -or- on your clothes -or-whites -or- stains] [in [an] HE washer[s] -or- machine[s]][*], [**]
- Use **This Product** for a clean made easy
- Use **This Product** for whitest whites
- Use **This Product** 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 -or-** bleach is easier than ever*
- 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
- [Visit -or- Check [out] our website at (web address)] [for more information] [on this product
- Washing Machine Cleaner
- Whitening your whites has never been easier*
- 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

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- Whitest Whites
- Whitest Whites [Technology]
- With concentrated *This Product* will get stains out -or- remove stains the first time
- With concentrated *This Product* will get the whitest whites the first time
- Works Even In Cold Water!
- Works in your maintenance cycle [too]
- Good For All Machines
- Advanced Whitening
- Good Clean Done!
- Whiter Whites, Better Price!

* vs. -or- compared to [previous] Regular 6%-Bleach **[in [an] HE washer[s] -or- [machine[s]]



[Same number of loads as [previous] [96 oz -or- 182 oz] Regular-Bleach] [Note to reviewer: These graphics may show a different number of bottles or different sizes to accommodate various units of sale]

SANITIZING/DISINFECTING

- A few surprising uses of bleach [or-Product Name]. 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
- 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.
- Clean -and/or- disinfect -and/or- remove [tough] stains with less product [than before]*
- Cleans -and/or- Disinfects -and/or- Whitens -and/or- Sanitizes with -or- using less bleach [than before]"
- Cleans, disinfects and protects the [insert site or location from List 7] [environment] by killing [99.9% of] [household] germs] and bacteria and viruses.
- Cleans away and [Kill[s]] [Eliminate[s]] [Destroy[s]] [Remove[s]] [Wipe[s] away -or- out] [Attack[s]] [Get[s] rid of] [99.9% of] bacteria and germs and viruses commonly found in [insert site or location from List 7] [areas] [environments]]
- Cleans and Disinfects
- Concentrated disinfecting ingredients -or- power [in every drop]
- Disinfect for a bleach clean
- Disinfectant
- Disinfecting
- Disinfects
- Disinfects -and/or- Sanitizes -and/or- Deodorizes -and/or-Eliminates Odors -and/or- cleans [around the house]
- [Disinfects -and/or- Sanitizes] [, Eliminates Mildew] And Deodorizes
- Disinfect -and/or- Deodorize -and/or- Kill 99.9% of Germs on -or- in [insert surface or site from list 5 or 7]
- Disinfects [insert surface or site from list 5 or 7]
- Disinfects [potable] drinking water [in emergency situations]
- Disinfects and deodorizes by killing [most] germs and their odors
- Disinfects hard, nonporous surfaces against [insert surface or site from list 2]
- Disinfects pet areas, accessories and nonporous toys [including kennels -and/or- litter boxes -and/or- floors]
- Eliminates germs and bacteria
- Eliminates odor causing bacteria and prevents the build-up of odors in your [HE] laundry machine
- Fights and kills and is effective against Avian influenza virus [on environmental -and/or- hard, nonporous surfaces]

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- *[Fight[s]] [Kill[s]] [Effective] [Protect[s]] [against] (insert organism from List 2)*
- *[Fight[s]] [Stop[s]] [Kill[s]] [Eliminate[s]] [Destroy[s]] [Remove[s]] [Wipe[s] away -or- out] [Attack[s]] [Get[s] rid of] [99.9% of] [the] germs[-and/or- bacteria -and/or- mold -and/or- viruses [that [can] cause [the] [common] cold -and/or- flu] [in your [insert site or location from List 7] [area] [environment]]]*
- For institutional use
- Fungicidal -or- Fungicide
- Germicidal -or- Germicide
- Gets Rid Of Germs^[SS] -and/or- Dirt
- Help prevent the spread of [the] cold and flu viruses [in your home -or- office]
- [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]
- Home Disinfectant Essential
- 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
- Kills 99.9% of [common household] germs -or- bacteria^[SS]
- Kills 99.9% of *(insert organism from List 1)* in your laundry
- Kills [99.9% of] [household] mold [and mildew]
- 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^[SS] - and/or- virus[es] [commonly] found in -or- on [the] *(insert surface or site 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 -and/or- flu virus -and/or- cold and flu virus[es] [commonly] found in -or- on [the] *(insert surface or site 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^[SS] - and/or- virus[es] [commonly] found in -or- on [the] *(insert surface or site 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 from list 2)* [commonly] found in -or- on [the] *(insert surface or site from List 5 or List 7)*
- Kill[s] [99.9% of] bacteria on the surfaces you[r kids] touch every day
- Kills [99.9% of] flu virus† ††
- Kills [99.9% of] [household] viruses that cause colds and the flu. †† [Rhinovirus and Influenza A virus]
- Kills [99.999% of] *Clostridium difficile (C. diff)* spores^{***}
- Kills 99.9% of germs in your laundry^{*}
- Kills [99.9% of] *[insert organism from List 2] [on (insert surface from List 5)] [in (insert site or location from List 7)]*
- Kills [99.9% of] [many] germs^[SS] and/or- bacteria
- Kills [99.9% of] surface germs and bacteria *[insert organism from List 2/]*
- Kills [99.9% of] [the] cold -and/or- flu virus[es] ††
- Kills Athlete's Foot Fungus ¶

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SANITIZING/DISINFECTING [continued]

- Kills [99.9% of] [the] germs ^{§§§} around your home -or- house
- Kills *Clostridium difficile* (*C. diff*) spores ^{***}
- Kills Germs ^{§§§} and Removes Odors
- Kills [Eliminates] MRSA ^{†††}
- Kills -or- removes mold [and mildew]
- Makes water safe to drink [in emergency situations]
- Mildewcide
- Mildewcidal
- Pseudomonacidal
- Reduces exposure to *Clostridium difficile* [(*C. diff*)] -or- *C. difficile* -or- *C. diff* from treated surfaces ^{***} [Note to reviewer: to be used only with hospital or healthcare-specific labeling]
- Reduces exposure to Methicillin resistant *Staphylococcus aureus* [(MRSA)] from treated surfaces. [Note to reviewer: to be used only with hospital or healthcare-specific labeling]
- [Removing] [Killing] [Trusted to kill] [Fighting] [Eliminating] [99.9% of] germs ^{§§§} -and/or- bacteria -and/or- viruses
- Remove[s] bacteria from your children's hard, nonporous toys
- Sanitizer
- Sanitizes
- Sanitizes your baby's -or- workout clothes -or- laundry
- Sanitizes your laundry
- Sanitizing
- Streptocidal
- Staphylocidal
- 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 Whitens. -and/or- Remove[s] Stains. -and/or- Clean[s]. -and/or- Disinfect[s].
- Trusted to disinfect your pet's accessories and nonporous toys
- Virucidal †-or- Virucide†
- Whitening -and/or- cleaning -and/or- disinfecting made easy

† Influenza A virus -and/or- H1N1 Influenza A virus

†† Rhinovirus [Type 37] and Influenza A virus

††† Protect against germs on hard, nonporous surfaces

§§§ *Staphylococcus aureus* (Staph), *Streptococcus pyogenes* (Strep), *Salmonella enterica*, *Escherichia coli* 0157:H7 (E. coli)

* Sanitizes: *Staphylococcus aureus* and *Klebsiella pneumonia*

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

†† Trichophyton mentagrophytes [(a common cause of Athlete's Foot)]

††† Methicillin Resistant *Staphylococcus aureus* (MRSA)

PANDEMIC 2009 H1N1 INFLUENZA A VIRUS†††

Claims:

- Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).
- Kills Pandemic 2009 H1N1 Influenza A virus.
- Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. This product [Product Name] is a broad-spectrum hard surface disinfectant that has been shown to be effective against Influenza A2 virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- This product has demonstrated effectiveness against Influenza A2 virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- This product has demonstrated effectiveness against Influenza A2 virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

††† per Agency guidance dated October 22, 2009 "Guidance for Testing and Labeling Claims against Pandemic 2009 H1N1 Influenza A virus (formerly called Swine Flu)" www.epa.gov/oppad001/h1n1-guide.html

- Kills [2009] H1N1 [Flu Virus]
- Kills Germs -and/or- Flu Viruses [including [2009] H1N1]
- Kills [99.9%] of Germs including [2009] H1N1 [Flu Virus]
- Effective against [2009] H1N1 [Flu Virus]

PACKAGING CLAIMS

- Bottle designed to pour bleach easily
- Bottle designed for an easier pour into your [HE -or- High Efficiency] machine*
- Bottle designed to improve your bleach experience [in HE -or- High Efficiency machines]*
- Bottle is easier to use -or- pour- into your [HE -or- High Efficiency] machine -or- washer*
- [Concentrated [This Product]] uses less packaging material*
- [Concentrated [This Product]] with a bottle designed to help prevent splashing
- Lightweight bottle!
- Pour [This Product] with confidence
- Smooth flow goes straight into the machine -or- gets bleach where you want it
- Specially designed to help get bleach where you want it.
- Specially designed bottle [and/or] handle helps control the flow of bleach
- Specially designed bottle [and/or] closure helps prevent splashing
- Bottle designed for comfortable pouring and handling
- Bottle designed for easy bleach dispensing
- Bottle designed to handle the strength of bleach
- Bottle designed to help prevent spilling and splashing
- Now pour with confidence

CONSUMER USES HOUSEHOLD [HINTS] [USE]

Clean & Disinfect 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 minutes in a solution of 1/2 cup of this product to one gallon of water, then rinse.

Cold & Flu: To Prevent the Spread of Cold & Flu Viruses and To Kill the Flu Viruses on Hard, Nonporous Surfaces:

This product kills 99.9% of all 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 gallon of water. Let stand 5 minutes. Rinse thoroughly and air dry.

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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 minutes 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 all 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 of water. Let stand 5 minutes. Rinse and allow to air dry. -or- For washable colorfast hard, nonporous toys, disinfect with a solution of 3/4 cup bleach in 1 gallon of water. Let stand 5 minutes. Rinse and allow to air dry.

Disinfect Pet Areas and Nonporous Toys and Accessories

Disinfect with a solution of 1/2 cup product in 1 gallon of water. Wash surface, soak or wipe with bleach solution. Allow solution to contact surface for at least 5 minutes. Rinse well and air dry.

Eliminating Garbage Can Odors:

This product can deodorize and sanitize your garbage cans by eliminating the bacteria that cause odors. Wash garbage cans with soapy water and rinse. Then to deodorize and sanitize, swish a solution of 1/2 cup of this product per gallon of water over the inside of the can. Let the solution stand 5 minutes before rinsing.

Eliminating Refrigerator Odors:

This product kills odor causing bacteria and leaves 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 soapy water. Let stand 5 minutes. Rinse and then air dry interior surfaces a few minutes before replacing food.

Keep Christmas Trees Fresher Longer:

To prolong the life of a fresh cut tree, instead of using plain water in the tree stand bowl, use a solution of 1 1/2 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 per gallon water. Let stand 5 minutes before rinsing.

Keep Wading Pools Sanitary:

This product is excellent for chlorinating wading pools. As a general rule, use 5 tsp per 100 gallons of water. For example, an 8-foot diameter pool holding 1 foot of water would require 20 tsp -or- 3 oz 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 gallon of water.
3. Let stand 5 minutes before rinsing.
4. Rinse thoroughly and air dry.

Removing Exterior Mold:

Mold growing on washable and 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 per 1 gallon of water to wet surfaces. Reapply the solution as needed to keep the area wet for 5 minutes. 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.

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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 each gallon of warm water. Keep surface wet 5 minutes; then rinse thoroughly and wipe dry. ~~or- Simply wipe down surfaces using a solution of 1/2 cup of this product to each gallon of warm water. Keep surface wet 10 minutes; 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 5 minutes. 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 minutes in a solution of 2 tsp of this product to each gallon of water. 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 per gallon of water. Let stand 2 minutes, drain and air dry.

Sanitize Wooden Cutting Boards -or- Cutting Boards:

1. Wash, wipe or rinse items with detergent and water.
2. Apply sanitizing solution of 2 tablespoons of this product per gallon of water.
3. Let stand 2 minutes.
4. Rinse all surfaces with a solution of 2 tsp of this product per gallon of water.
5. Do not rinse or soak equipment overnight.

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Sanitizing Baby Items:

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

Sanitizing Kitchen Cloths:

This product can help you deodorize and sanitize dishcloths while cleaning your sink at the same time. Fill sink with a gallon of water. Add 1/2 cup of this product. Soak kitchen cloths in solution for 5 minutes; then rinse sink and cloths. Allow to air dry.

Spring Cleaning: For Eliminating Bacteria that Cause Household Odors:

Sanitize and deodorize common household items, such as sinks, garbage cans, 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 gallon of water. Let stand 5 minutes before rinsing. Rinse thoroughly and air dry.

Garbage cans:

Wash garbage cans with soapy water and rinse. Swish a solution of 1/2 cup of this product per gallon of water over the inside of the can. Let the solution stand 5 minutes before rinsing.

Refrigerators:

Remove food before using this product. Wash surfaces with a solution of 1/2 cup of this product per gallon of soapy water. Let stand 5 minutes. Rinse thoroughly and then air dry interior surfaces a few minutes before replacing food.

Toilet Bowls:

Disinfect and deodorize your toilet.

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

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BACTERICIDAL EFFICACY

This product, when used as directed below, is effective against the following bacteria:

Clostridium difficile [(C. diff)] [spore]	[ATCC [700792]
Community Acquired Methicillin Resistant Staphylococcus aureus [- (CA-MRSA)]	[NARSA NRS123] [(Genotype USA400)]
Escherichia coli 0157:H7 [(E. coli)]	[ATCC 35150]
Extended Spectrum Beta Lactamase producing Escherichia coli [(ESBL producing E. coli)]	[ATCC BAA-196]
Legionella pneumophila [(the bacteria that causes Legionnaire's disease)]	[ATCC 33153]
Methicillin resistant Staphylococcus aureus [- (MRSA)]	[ATCC 33592]
Pseudomonas aeruginosa	[ATCC 15442]
Salmonella enterica [(a common cause of food-borne illness)]	[ATCC 10708]
Shigella dysenteriae [(a common cause of food-borne illness)]	[ATCC [13313]
Staphylococcus aureus [(a common cause of Staph infection)]	[ATCC 6538]
Streptococcus pyogenes	[ATCC [9342]
10 minute contact time ^{IVT} Follow [the] Special Instructions for Cleaning Prior to Disinfection [listed on label]	

Hard, Nonporous Surfaces

To disinfect hard, nonporous surfaces: Clean surface by removing gross filth, loose dirt, debris, and food materials. Use 1/2 cup of this product in 1 gallon of water. -or- Prepare a 2400 ppm available chlorine solution. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Thoroughly wet surface with the solution and allow it to remain on the surface for 5 minutes. Rinse with clean water and dry.

For hospital and healthcare disinfection -or- To kill Pseudomonas aeruginosa: Clean surface by removing gross filth, loose dirt, debris, and food materials. Use 1/2 cup of this product in 1 gallon of water. -or- Prepare a 2400 ppm available chlorine solutions. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Thoroughly wet surface with the solution and allow it to remain in contact with the surface for 10 minutes. Rinse with clean water and dry.

To Sanitize Garbage Cans/Diaper Pails: Preclean garbage can/diaper pail with a cleaning product prior to sanitization. Rinse with water and drain. Pour in 2400 ppm available chlorine solution. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Let stand 5 minutes. Rinse and air dry.

Toilet Bowls: Flush toilet to remove gross filth. Add 3/4 cup of bleach to the bowl and brush surfaces thoroughly, making sure to get under the rim. Let stand 10 minutes before flushing again.

Use Sites:

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

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VIRUCIDAL [‡] EFFICACY

This product, when used as directed is effective against the following viruses on hard, nonporous, inanimate surfaces.

Viruses Enveloped[‡]	
[‡]2009-H1Ni Influenza A virus [(Novel H1N1)]	[Strain A/Mexico/4108/2009 CDC #2009712192] VR-1469
[‡]Avian Influenza A virus [(H3N2)]	[Strain A/Washington/897/80 X A/Mallard/ New York/6750/78 [ATCC VR-2072]
[‡]Cytomegalovirus	[Strain AD-169] [ATCC VR-578
[‡]Herpes Simplex virus type 2 [causative agent of genital herpes]	[(Strain G)] [ATCC VR-734]
[‡]Human Coronavirus	[Strain 229E] [ATCC VR-740]
[‡]Influenza A virus [Influenza A2] [Flu Virus]	[ATCC VR-544, Strain Hong Kong]
[‡]Respiratory Syncytial virus [(RSV)] [(cause of respiratory infections in infants)]	[(Strain Long)] [ATCC VR-26]
[‡]Rubella virus [(German Measles virus)]	[Strain M-33] [ATCC VR-315]
[‡]Varicella Zoster Virus	[ATCC VR-586]
[‡]Viruses Non-Enveloped	
[‡]Adenovirus [type 2] [(common cause of respiratory infections)]	[‡]Adenovirus [type 2] [(common cause of respiratory infections)]
[‡]Canine Parvovirus	[‡]Canine Parvovirus
[‡]Feline Parvovirus [(Feline panleukopenia virus)]	[‡]Feline Parvovirus [(Feline
[‡]Hepatitis Type A virus [(HAV)]	[‡]Hepatitis Type A virus [(HAV)]
[‡]Rotavirus [(most] common cause of childhood diarrhea)]	[‡]Rotavirus [(most] common cause
[‡]Rhinovirus type 37 [(a [common] cause of the common cold)]	[‡]Rhinovirus type 37 [(a [common]
10 minute contact time	

Hard, Nonporous Surfaces:

To disinfect hard, nonporous surfaces: Clean surface by removing gross filth, loose dirt, debris, and food materials. Use 1/2 cup of this product in 1 gallon of water. -or- Prepare a 2400 ppm available chlorine solution. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Thoroughly wet surface with the solution and allow it to remain in contact with the surface for 5 minutes. Rinse with clean water and dry.

To sanitize garbage cans/diaper pails: Preclean garbage can/diaper pail with a cleaning product prior to sanitization. Rinse with water and drain. Pour in 2400 ppm available chlorine solution. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Let stand 5 minutes. Rinse and air dry.

Toilet Bowls: Flush toilet to remove gross filth. Add 3/4 cup of bleach to the bowl and brush surfaces thoroughly, making sure to get under the rim. Let stand 10 minutes before flushing again.

Use Sites:

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

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FUNGICIDAL EFFICACY

This product, when used as directed below, is effective against mold, Trichophyton mentagrophytes, the common cause of Athlete's Foot [ATCC 9533], and mildew (Aspergillus brasiliensis -or- Aspergillus niger) [ATCC 16404].

Hard, Nonporous Surfaces

To disinfect hard, nonporous surfaces: Clean surface by removing gross filth, loose dirt, debris, and food materials. Prepare a 2400 ppm available chlorine solution. Thoroughly wet surface with the solution and allow it to remain on the surface for 10 minutes. Rinse with clean water and dry.

-or-

Clean surface by removing gross filth, loose dirt, debris, and food materials. Prepare a 3600 ppm available chlorine solution. Thoroughly wet surface with the solution and allow it to remain on the surface for 5 minutes. Rinse with clean water and dry.

Use Sites: This product can be used on hard, nonporous surfaces in commercial, institutional, hospital and household premises (including kitchens, shower stalls, bathrooms, nurseries, sick rooms, laundry rooms), eating establishments, pet kennels and veterinary premises.

CANDIDA ALBICANS [ATCC 10231] EFFICACY

Hard, Nonporous Surfaces

To disinfect hard, nonporous surfaces: Clean surface by removing gross filth, loose dirt, debris, and food materials. Use 1/2 cup of this product in 1 gallon of water. -or- Prepare a solution of 2400 ppm available chlorine solution. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Thoroughly wet surface with the solution and allow it to remain in contact with the surface for 5 minutes. Rinse with clean water and dry.

To disinfect diaper pails: Preclean diaper pails with a cleaning product prior to sanitization. Rinse with water and drain. Pour in 2400 ppm available chlorine solution. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Let stand 5 minutes. Rinse and air dry.

Use Sites:

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

TO CLEAN AND DECONTAMINATE AGAINST HIV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS

This product kills HIV-1 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).

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 of bleach + 1 gallon of water (at least 1700ppm available chlorine) and spray or flood surface; let stand 5 minutes.

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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FOR SANITIZING HOSPITAL LAUNDRY

To sanitize laundry, add enough of this product to reach 200 ppm (parts per million) available chlorine. -or- Use 1/2 cup of this product per standard washer, 1 cup for extra-large washers or heavily soiled loads. Use a detergent. 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].

FOR DISINFECTION OF FLOORS, WALLS, SHOWERS AND TOILETS

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 2400 ppm available chlorine solution. Use chlorine test strips to determine exact available chlorine concentration -or- verify the appropriate available chlorine concentration is achieved. Allow solution to remain on the surface for 5 minutes. Rinse and let air dry.

To disinfect toilets: Flush toilet. Pour 3/4 cup of bleach into bowl. Brush bowl thoroughly, making sure to get under the rim and let solution stand for 10 minutes and flush again.

DISINFECTING GUIDE

This product—a germicide—is an 8.25% sodium hypochlorite solution containing approximately 7.85% available chlorine by weight. In addition to being 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, as well as for purification of drinking water and disinfection of water for swimming and wading pools.

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, solution must be allowed to stand for **no more than 5 minutes**, 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 ASPHALT OR WOOD ROOFS AND SIDINGS

To control fungus and mildew, first remove all physical soil by brushing and hosing with clean water. Apply a 6000 ppm available chlorine solution by brushing or spraying roof or siding. After 30 minutes, rinse by hosing with clean water.

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HOW TO SANITIZE AND DISINFECT WITH THIS PRODUCT [Product Name]

This product [Product Name] is an effective multi-purpose sanitizer/disinfectant that kills many bacteria that may cause food poisoning.

Two teaspoons of this product in a gallon of water is equivalent to 200 parts per million (ppm) available chlorine.

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

Pots & Pans, Glasses, Dishes, Utensils

This Product 1 oz (2 Tbsp) Dip 2 Minutes

3 Gallons Water 75° (23.9°C)

Wash Rinse Immerse in Sanitizing Solution Drain Dry

Food Contact Surfaces

1 oz (2 Tbsp) This Product 2 Minutes

Clean and Rinse

3 Gallons Water 75° (23.9°C) Wipe with Sanitizing Solution Air Dry

Food Equipment

1 oz (2 Tbsp) 3 Gallons Water 75° (23.9°C) 2 Minutes

Clean and Rinse Wipe with Sanitizing Solution Air Dry

Refrigerators & Freezers

1 oz (2 Tbsp) 3 Gallons Water 75° (23.9°C) 2 Minutes

Wash Wipe with Sanitizing Solution Air Dry

Mops, Brushes, Rags

5 Gallon Sink 1 cup (8 oz) This Product 2 Minutes Air Dry

2 Gallons 75° Water (23.9°C)

Wash/Rinse Soak Rinse

TO DISINFECT

Floors & Walls

3 Gallons Warm Water 75° Water (23.9°C) Mop for 5 Minutes

Pre-wash Surface to be Treated 1 1/2 cups (12 oz) This Product Rinse & Let Dry

Toilets

3/4 cup (6 oz) This Product Soak 10 Minutes

Flush Brush Flush

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IN SANITATION OF RESTAURANTS AND TAVERNS

An unclean kitchen and contaminated food result in the hazards of contaminated surfaces. To help avoid this, it is important to keep all work surfaces, equipment and utensils hygienically clean. This product is a highly effective, economical and convenient germicide for this use in restaurants and taverns, as well as in the home.

To sanitize work surfaces (not utensils): After each use, scrub thoroughly with hot suds; rinse with clear, cold water. Then prepare a 200 ppm available chlorine sanitizing solution. Apply this solution 1 minute. Let air dry.

To disinfect work surfaces (not utensils): After each use, scrub thoroughly with hot suds; rinse with clear, cold water. Then prepare a 2400 ppm available chlorine disinfecting solution. Apply this solution 5 minutes. Rinse with potable water. Let air dry.

To sanitize dishes, glassware, utensils: Wash thoroughly; then soak 2 minutes in a 200 ppm available chlorine solution made with hot water. Use chlorine test strips to adjust to 200 ppm available chlorine. Drain dry. Do not use on non-stainless steel, aluminum, silver, or chipped enamel. Disinfect these by scalding.

Disinfecting sink and sanitizing dishcloths: Must be a routine follow-up to dishwashing. First wash sink and rinse dishcloth[s] in hot suds. Drain out sudsy water. Then fill with a 2400 ppm available chlorine solution. Let stand 5 minutes. Swish dishcloths in this solution; then use it to wipe sides of sink. Soak dishcloths for 1 minute in this solution. Then rinse sink and dishcloths with clear water.

To deodorize drain pipes: Flush with very hot water followed by 3/4 cup of this product. Wait 5 minutes; flush out with clear water.

To sanitize refrigerators: Remove food before using this product. First wash inside surfaces. Then wipe with a 200 ppm available chlorine solution made with warm water. Let stand for 2 minutes. Let 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 detergent with each gallon of this product for a 450 ppm available chlorine solution. Rinse thoroughly with clean, clear water; drain. Immediately before use, sanitize for 2 minutes with a 200 ppm available chlorine solution; drain thoroughly.

To disinfect hard, nonporous floors (plastic or ceramic tile): Prepare a 2400 ppm available chlorine solution. Mop or scrub. Do not use on cork or linoleum. Let stand 5 minutes. Rinse and let air dry

To sanitize brushes, mops and brooms: After using brushes, mops and brooms, wash thoroughly; then soak for 5 minutes in a 2400 ppm available chlorine solution made with warm water. Rinse with clear water; dry. Not recommended for cellulose sponge mops.

Pails and dustpans: Remove heavy dirt prior to cleaning. Wash with a 2400 ppm available chlorine solution. Let stand 5 minutes. Rinse with clear, cold water. Let air dry.

To deodorize and sanitize garbage cans: Remove heavy dirt with a cleaner. Rinse then, pour in a 2400 ppm available chlorine solution. Swab the inside surfaces. Let stand 5 minutes. Rinse with clear water; dry.

1/3 oz this product (2 tsp)	+ One Gallon Water	= 200 ppm
4 oz this product	+ One Gallon Water	= 2400 ppm

IN SANITIZING CYCLE OF CHEMICAL SANITIZING DISHWASHING MACHINES

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

1. Hook up a bleach [or-Product Name] 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 minutes. Allow the tableware to air dry.
4. **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:

1. Start machine and let run until the machine has begun the final rinse cycle.
2. Take a sample of the rinse water.
3. Using a chlorine test kit, determine the parts per million (ppm) of available chlorine in the sample.
4. 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.
5. Repeat steps "a" through "c" until a correct ppm of available chlorine is achieved.
6. 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.

FOR FRUIT & VEGETABLE WASHING

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 minutes in a second wash tank containing the recirculating sanitizing solution. Spray rinse vegetables with the sanitizing solution prior to packaging. Rinse fruit with potable water only prior to packaging.

AS A FUNGICIDE FOR SEED POTATOES

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 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 must be delayed, store the treated seed in clean, open, well ventilated bins or truck beds. Storing cut, wet seed in large unventilated containers will contribute to secondary breakdown from soft rot organisms.

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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 must 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 loses its effectiveness.

[²Easton, 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.]

FOR SANITIZING SOLUTIONS FOR EQUIPMENT AND UTENSILS

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 200 ppm (parts per million) available chlorine. (Use chlorine test strips to adjust to 200 ppm available chlorine.) The bleach solution must be applied by spraying, soaking or scrubbing. Treated surfaces must remain wet for at least one minute.

A potable water rinse is not required, provided the equipment and utensils are adequately drained before they come into contact with food. Little or no residue must remain to adulterate or otherwise affect edible products.

FOR MEAT & POULTRY PLANT LAUNDRY USE

This product intended for use 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 200 ppm (parts per million) available chlorine (3/4 cup of bleach per standard washer, 1 cup for extra-large washers or heavily soiled loads). Use a good detergent. For best results, dilute bleach with a quart of water and add to wash 5 minutes after the wash has begun. Use chlorine test strips to adjust to exactly 200 ppm available chlorine.

SANITATION IN CARE OF SWINE

1. Hog houses and farrowing houses - To clean and disinfect:
2. Remove loose dirt, litter and debris. Dirty or coated surfaces cannot be disinfected.
3. Mix 1 oz detergent with each gallon of 2400 ppm available chlorine solution until detergent is dissolved.³
Let stand for 5 minutes.
4. Scrub or pressure-spray all surfaces with this solution. Rinse with clear, cold water.
5. 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.

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Clean and disinfect metal watering troughs and feeders by pressure-spraying or scrubbing with solution prepared by thoroughly mixing 1 oz detergent with each gallon of 2400 ppm available chlorine solution.³ Let to stand for 5 minutes. Rinse thoroughly with clear, cold water; drain dry. Drinking troughs and feeders must be cleaned and disinfected before housing pigs, and as often as necessary to keep sanitary.

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

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

³ For bleach/detergent solution, use hot water if available. Use chlorine test strips to adjust to desired available chlorine level.

FOR POULTRY CARE

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

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

For young chicks, a 2 ppm available chlorine solution must be prepared 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, 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: Poultry houses must be cleaned and disinfected between cycles; hatcheries must be cleaned weekly or as necessary to keep sanitary. Metal surfaces can be satisfactorily disinfected. Wooden surfaces are difficult to sanitize by any method.

1. Remove all litter, loose dirt and debris.
2. Thoroughly mix solution of 1 oz detergent with each gallon of 2400 ppm available chlorine solution.⁴
3. Using this solution, scrub or pressure-spray all exposed areas, including floor, walls, ceiling posts and support beams. Let stand for 5 minutes.
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: Remove loose dirt and debris. Scrub or pressure-spray with solution of 1 oz detergent thoroughly mixed with each gallon of 1400 ppm available chlorine solution.⁴ Let stand for 2 minutes. Rinse with clear, cold water. Let dry.

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

Air-dry eggs as rapidly as possible. Store in cool (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.

Where this **product/detergent** solution is recommended for sanitizing poultry houses and equipment, use **hot** water (140°F or above) if available.

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SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A FOR INACTIVATION OF AVIAN INFLUENZA A 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 31 parts water. Saturate all surfaces with the disinfecting solution for 5 minutes.
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.

IN CARE OF LIVESTOCK, HORSES, PETS

To clean and disinfect barns, stables, hutches, kennels: Remove all litter, loose dirt and debris. Mix 1 oz [powdered] detergent with each gallon of 2400 ppm available chlorine solution until detergent is dissolved.³ Using the solution, thoroughly scrub or pressure-spray all exposed areas including floor, walls, ceiling posts and support beams. Let stand for [at least] 5 minutes. Rinse with 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 solution prepared by thoroughly mixing 1 oz detergent with each gallon of 2400 ppm available chlorine solution.³ Let stand for 5 minutes. 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 solution of 1 oz detergent mixed with each gallon of 2400 ppm available chlorine solution.³ Let stand for 5 minutes. Rinse thoroughly with clear, cold water; allow to drain and air 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.)

³ Use hot water if available.

FOR FOOD EGG SANITIZATION

To sanitize food eggs: Thoroughly clean all eggs. Prepare a 200 ppm available chlorine solution. 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.

FOR DAIRY AND CREAMERY EQUIPMENT SANITATION

This product is effective as a chemical sanitizer of milk utensils, containers and equipment. This product dissolves milk solids and other protein material and is a quick and effective deodorizer.

An exposure period of at least 2 minutes to a 200 ppm available chlorine solution must be maintained when the solution temperature is 75° F. Use chlorine test strips to adjust solution to desired strength. 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 and must be promptly investigated.

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RUBBER TEAT CUPS AND TUBES - Before each milking, prepare a 200 ppm available chlorine sanitizing solution. Dip teat cups into this solution for 2 minutes before transferring them from one cow to another.

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

To maintain sanitizing solution at proper strength, add 2 teaspoons of this product daily (in hot weather, 3/4 oz) for each 3 gallons of water, mix well. Old solution may be utilized for deodorizing and making floors and drains sanitary; for this purpose, add 3/4 oz of this product for each 5 gallons of old solution; mix well.

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

METAL TEAT CUPS AND TUBES - Before each milking, prepare a 200 ppm available chlorine sanitizing solution. 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 200 ppm available chlorine solution for 2 minutes; drain thoroughly and dry before using. **Metal cups must not be left 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 detergent with each gallon of a 200 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. Let air dry. **Immediately before use, sanitize according to directions shown below.**⁵

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 detergent with each gallon of a 200 ppm available chlorine solution. Hot water must be used if available, and the temperature of the solution must be maintained 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 minutes. Brush-wash with solution all parts not coming in contact with solution as it circulates. Rinse thoroughly with clean, clear water; allow to drain and air dry. Seal this equipment to help protect against contamination. Immediately before use, sanitize according to directions shown below.⁵

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 detergent thoroughly mixed with each gallon of 200 ppm available chlorine solution. Rinse with clean, clear water; drain thoroughly and air dry. Immediately before use, sanitize according to directions shown below.⁵

Milk bottles - To sanitize: Clean and rinse, then immerse for 5 minutes in a 200 ppm available chlorine solution prepared with cold or lukewarm water; drain; fill. If bottles are not filled promptly, rinse again with same strength bleach solution immediately before filling; drain thoroughly and 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 a solution prepared by thoroughly mixing 1 oz of detergent with each gallon of this product for a 200 ppm available chlorine solution. Let stand 2 minutes. Rinse thoroughly with clean, clear water; drain. Let air dry. Immediately before use, sanitize according to directions shown below.⁵

⁵BEFORE USE - Rinse with a 200 ppm available chlorine sanitizing solution for 2 minutes; drain thoroughly.

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FISH PONDS AND EQUIPMENT

Fish Ponds: Remove fish from ponds prior to treatment. Thoroughly mix 163 oz of this product to 10,000 gallons of water to obtain 10 ppm available chlorine. Add more of this product to the water if the available chlorine level is below 1 ppm after 5 minutes. Return fish to pond after the available chlorine level reaches zero.

Fish Pond Equipment: Thoroughly clean all equipment prior to treatment. Thoroughly mix 3.5 oz of this product to 10 gallons of water to obtain 200 ppm available chlorine. Porous equipment must soak for one hour.

MAINE LOBSTER PONDS

Remove lobsters and seaweed from ponds prior to treatment. Drain the pond. Thoroughly mix 9800 oz of this product to 10,000 gallons of water to obtain 600 ppm available chlorine. Apply so that all burrows, 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.

CONDITIONING LIVE OYSTERS

Thoroughly mix 9 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 minutes, monitoring the available chlorine level so that it does not fall below 0.05 ppm. Repeat entire process if the available chlorine level drops below 0.05 ppm or the temperature falls below 50°F.

CONTROL OF SCAVENGERS IN FISH HATCHERY PONDS

Prepare a solution containing 200 ppm of available chlorine by mixing 3.5 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.

FOR EMERGENCY DISINFECTION OF DRINKING WATER (POTABLE)

Emergency disinfection:

When boiling of water for 1 minute is not practical, water can be made potable by using this product. Prior to addition of the sanitizer, remove all suspended material by filtration or by allowing it to settle to the bottom. Decant the clarified contaminated water to a clean container and add 12 drops or 1/8 teaspoon of this product to 2 gallons of water [(2 drops to 1 quart)]. Allow the treated water to stand for 30 minutes. Properly treated water must have a slight chlorine odor. If not, repeat dosage and allow the water to stand an additional 15 minutes. The treated water can then be made palatable by pouring it between clean containers several times.

For cloudy water, use 24 drops or 1/4 teaspoon of this product per 2 gallons of water [(3 drops to 1 quart)]. If no chlorine odor is apparent after 30 minutes, repeat dosage and wait an additional 15 minutes.

FOR DISINFECTION OF POTABLE DRINKING WATER SYSTEMS

(Public and Individual Systems)

Public system

Mix a ratio of this product to water to produce 10 ppm available chlorine by weight. Begin feeding this solution with a hypochlorinator until free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Interim Primary Drinking Water Regulations. Contact your local Health Department for further details.

Individual systems

Dug wells: Upon completion of the casing (lining), wash the interior of the casing (lining) with a 100 ppm available chlorine solution using a stiff brush. After covering the well, pour the sanitizing solution into the well through both the pipe sleeve opening and the pipeline. Wash the exterior of the pump cylinder also with the sanitizing solution. Start pump 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.

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.

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

FOR EMERGENCY DISINFECTION AFTER FLOODS

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 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.

FOR EMERGENCY DISINFECTION AFTER FIRES

Cross connections or emergency connections: Hypochlorination or gravity feed equipment must be set up near the intake of the untreated water supply. Apply sufficient product to give a chlorine residual of at least 0.1 to 0.2 ppm at the point where the untreated supply enters the regular distribution system. Use a chlorine test kit.

FOR EMERGENCY DISINFECTION AFTER DROUGHTS

Supplementary water supplies: Gravity or mechanical hypochlorite feeders must be set up on a supplementary line to dose the water to a minimum chlorine residual of 0.2 ppm after a 20 minute contact time. Use a chlorine test kit.

Water shipped in by tanks, tank cars, trucks: Thoroughly clean all containers and equipment. Spray a 500 ppm available chlorine solution and rinse with potable water after 5 minutes. During filling of the containers, dose with sufficient amount of this product to provide at least a 0.22 ppm chlorine residual. Use a chlorine test kit.

FOR EMERGENCY DISINFECTION AFTER MAIN BREAKS

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

FOR SPAS, HOT TUBS AND IMMERSION TANKS

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, and cleansers may cause foaming or cloudy water as well as reduce the efficiency of the product.

1. **Maintaining water:** Apply 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 1/4 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 spa/hot tub is prohibited above 5 ppm due to risk of bodily harm.

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FOR WADING POOL DISINFECTION

This product—a 8.25% sodium hypochlorite solution containing approximately 7.85% 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 3/4 oz 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.

-or-

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. 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. Three-fourths ounce of this product must be added to every 100 gallons of pool water.

Pool Diameter \ Depth of Water	4 Ft	6 Ft	8 Ft	10 Ft	15 Ft
6 inches	2 teaspoons	3/4 oz	1 1/2 oz	2 1/4 oz	1/2 cup
1 foot	3/4 oz	1 1/2 oz	3 oz	1/2 cup	1 1/4 cups
2 feet	1 1/2 oz	3 oz	3/4 cup	1 1/4 cups	2 1/2 cups
3 feet	2 1/4 oz	1/2 cup	1 1/4 cups	1 2/3 cups	3 2/3 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.

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FOR SWIMMING POOL DISINFECTION

This product is a 8.25% sodium hypochlorite solution containing approximately 7.85% 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:

Swimming Pool Size in Gallons	Initial Dosage of this product	Swimming Pool Size in Gallons	Initial Dosage of this product
5,000	2 cups	20,000	10 cups
6,000	3 cups	25,000	13 cups
8,000	4 cups	30,000	15 cups
10,000	5 cups	35,000	17 cups
15,000	8 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 8,000 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 chlorine test strips to adjust to the desired concentration.

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. The feeding rate must be adjusted 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, the bleach must be added throughout one complete circulation. If this product cannot be fed into the main water supply line, mix 3/4 cup of this product with 4 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 8,000 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. Chlorine level for acid-stabilized pools must be maintained 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, super chlorinate the pool with 75-150 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 8,000 gallons of new water). This additional product must be added 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 45 oz of this product to 5 gallons of water applying solution with a fiber brush. The pool must be scrubbed while wet and rinsed off when algae growth has been removed; all of the growth and dirty solution must be flushed 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 as recommended, 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.

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DILUTION TABLE

To obtain a solution with an approximate available chlorine level (parts per million), thoroughly mix the indicated amounts of bleach and water. Chlorine test strips must be used to adjust to the desired available chlorine levels. Always test to ensure efficacy.

Approximate ppm Available Chlorine	Volume of this product	Volume of Water
27,000	1 part	2 parts
11,500	1 part	5 1/2 parts
10,000	1 part	6 1/2 parts
6,000	1 part	12 parts
3,600	3/4 cup (6 oz)	1 gallon
2,400	1/2 cup (4 oz)	1 gallon
	1 cup (8 oz)	2 gallons
	1 1/2 cups (12 oz)	3 gallons
	1 part	31 parts
1800	3/4 cup (6 oz)	2 gallons
1500	1 part	50 parts
600	9,800 oz	10,000 gallons
500	1 part	150 parts
450	5 1/2 Tbsp (3 oz)	4 gallons
200	2 tsp	1 gallon
	1/4 cup (2 oz)	5 gallons
	3.5 oz	10 gallons
	3 gallons	1,000 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.

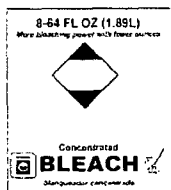
1/3 oz this product (2 tsp) + One Gallon Water = 200 ppm
 4 oz this product + One Gallon Water = 2400 ppm

Approximate ppm Available Chlorine	Volume of this product	Volume of Water
100	1 tsp	1 gallon
	1/8 cup (1 oz)	5 gallons
	1/4 cup (2 oz)	10 gallons
50	1/2 tsp	1 gallon
	3/4 gallon	1,000 gallons
25	1/4 tsp	1 gallon
	2 tsp	7 1/2 gallons
10	3 drops	1 quart
	1/4 tsp	2 gallons
	24 drops	2 gallons
	163 oz	10,000 gallons
5	2 drops	1 quart
	12 drops	2 gallons
	1/2 tsp	10 gallons
0.5	9 oz	10,000 gallons

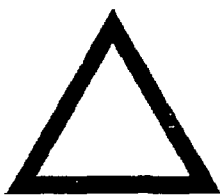
Table of Liquid Measures:

- 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

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8_64oz_lead_end.jpg



Bleach_symbol.jpg



Double_Guarantee.jpg



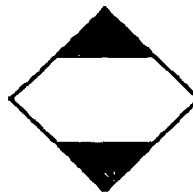
HE.jpg



HE_red.jpg



K.jpg



Limited_Quantity_label.jpg



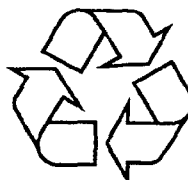
Mop_and_bucket.jpg



NSF.jpg



Packaging_Disposal.jpg



Recycle.jpg



Recycle_2.jpg



Shirt.jpg



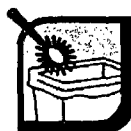
Toilet.jpg



U.jpg



Washing_machine_front_loader.jpg



Tandil_Bleach_Directions.jpg