

67619-21

05-24-2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAY 24 2010

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Ms. Elisa Estremera-Pasky  
Clorox Professional Products Company  
c/o PS&RC  
PO Box 493  
Pleasanton, CA 94566-0803

Subject: CARB  
EPA Registration Number: 67619-21  
Application Date: January 15, 2010  
Receipt Date: January 19, 2010

Dear Ms. Estremera-Pasky

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide (FIFRA) section 3(c)(7)(A) is acceptable with conditions.

**Proposed Action:**

Add 49 microorganisms to label

**Conditions**

Revise the label as follows:

- 1. The "Storage and Disposal" statements on page 1 must be revised to be in compliance with the Container Rule by stating the following:

(Residential Use)

**Storage and Disposal**

Store at temperatures below 130oF in a locked storage area in accessible to children and persons unfamiliar with its use. Nonrefillable container. Do not reuse or refill this container. DO NOT PUNCTURE OR INCINERATE! Offer for recycling. If not available, discard empty container in trash. If partially filled: Call your local solid waste agency or [toll free number which meets the criteria in paragraph II.E.] for disposal instructions.

(Commercial/Institutional/Industrial Use)

**Storage and Disposal**

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

**Pesticide Storage:** Store at temperatures below 130oF in a locked storage area in accessible to children and persons unfamiliar with its use.

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

SYMBOL								
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**Container Handling:** Nonrefillable container. Do not reuse or refill this container. DO NOT PUNCTURE OR INCINERATE! Offer for recycling. If not available, discard empty container in trash. If partially filled: Call your local solid waste agency or [toll free number which meets the criteria in paragraph II.E] for disposal instructions.

2. Revise the 20<sup>th</sup> bullet in the left column under "Disinfection" on page 3 by deleting "[Only]".
3. Revise the 7<sup>th</sup> bullet in the right column under "Disinfection" on page 3 by deleting the phrase, "no rinse because a potable water rinse is required when disinfecting food contact surfaces such the surfaces listed in Table 4 "Food Service" on page 8.
4. The terms, "Virucidal" and "Antiviral," are unqualified terms that appear throughout the label. You must add an asterisk or designating symbol that refers users to the viruses this product mitigates on page 6.
5. The list of surface materials on page 10 of the proposed label lists "painted surfaces" and also identifies "painted surfaces" under the "Do Not Use On" section. This needs to be corrected.

**Data Summary**

Data Requirement	Means of Support	Status
AOAC Germicidal Spray Test- CAMRSA	Submitted study, MRID 47957901	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – MDR K. pneumoniae	Submitted study, MRID 47957902	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. pyogenes	Submitted study, MRID 47957903	Acceptable, RTU- 5% soil for 3 min.
Virucidal Effectiveness Test -HIV	Submitted study, MRID 47957904	Acceptable, RTU – 5% soil for 30 seconds
Virucidal Effectiveness Test - RSV	Submitted study, MRID 47957905	Acceptable, RTU – 5% soil for 30 seconds
Virucidal Effectiveness Test – SARS associated w/ Coronavirus	Submitted study, MRID 47957906	Acceptable, RTU – 5% soil for 10 minutes
Confirmatory Virucidal Effectiveness Test - DHBV	Submitted study, MRID 47957907	Acceptable, RTU-100% soil for 30 seconds
Virucidal Effectiveness Test – Coxsackievirus B3	Submitted study, MRID 47957908	Acceptable, RTU – 5% soil for 10 minutes
AOAC Germicidal Spray Test – B. cepacia	Submitted study, MRID 47957909	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – C. diptheriae	Submitted study, MRID 47957910	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – E. coli	Submitted study, MRID 47957911	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test –E. cloacae	Submitted study, MRID 47957912	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test –K. oxytoca	Submitted study, MRID 47957913	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – L. monocytogenes	Submitted study, MRID 47957914	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – P. mirabilis	Submitted study, MRID 47957915	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – P. vulgaris	Submitted study, MRID 47957916	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. enterica – serovar paratyphi B	Submitted study, MRID 47957917	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. typhi	Submitted study, MRID 47957918	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. marcescens	Submitted study, MRID 47957919	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. dysenteriae	Submitted study, MRID 47957920	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. maltophilia	Submitted study, MRID 47957921	
Virucidal Effectiveness Test- Adenovirus type 14	Submitted study, MRID 47957922	Acceptable, RTU – 5% soil for 10 minutes
Virucidal Effectiveness Test – Hepatitis A Virus	Submitted study, MRID 47957923	Acceptable, RTU – 5% soil for 10 minutes

**CONCURRENCES**

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Data Requirement	Means of Support	Status
AOAC Germicidal Spray Test – C. albicans	Submitted study, MRID 47957924	Acceptable, RTU – 5% soil for 1 min.
AOAC Tuberculocidal Activity - M. bovis (BCG)	Submitted study, MRID 47957925	Acceptable, RTU on pre-cleaned surfaces for 5 minutes
Initial Virucidal Effectiveness Test – Feline Calicivirus Norovirus/Norwalk Surrogate	Submitted study, MRID 47957926	Acceptable, RTU – 5% soil for 10 minutes
Initial Virucidal Effectiveness Test – Hepatitis B Virus (DHBV)	Submitted study, MRID 47957927	Acceptable, RTU-100% soil for 30 seconds
Confirmatory Virucidal Effectiveness Test – Feline Calicivirus	Submitted study, MRID 47957928	Acceptable, RTU – 5% soil for 10 minutes
Virucidal Effectiveness Test – Rotavirus	Submitted study, MRID 47957929	Acceptable, RTU – 5% soil for 10 minutes
AOAC Germicidal Spray Test – C. jejuni	Submitted study, MRID 47957930	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – E. aerogenes	Submitted study, MRID 47957931	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – E. faecalis	Submitted study, MRID 47957932	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – K. pneumoniae	Submitted study, MRID 47957933	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – ESBL pneumoniae	Submitted study, MRID 47957934	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – L. pneumophila	Submitted study, MRID 47957935	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – P. putida	Submitted study, MRID 47957936	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. enteritidis	Submitted study, MRID 47957937	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – S. pneumoniae	Submitted study, MRID 47957938	Acceptable, RTU- 5% soil for 3 min.
Virucidal Effectiveness Test - Hantavirus	Submitted study, MRID 47957939	Acceptable, RTU – 5% soil for 30 seconds
Virucidal Effectiveness Test – Adenovirus Type 2	Submitted study, MRID 47957940	Acceptable, RTU – 5% soil for 10 minutes
Virucidal Effectiveness Test – Echovirus Type 12	Submitted study, MRID 47957941	Acceptable, RTU – 5% soil for 10 minutes
Virucidal Effectiveness Test – Herpes Simplex Virus Type 1	Submitted study, MRID 47957942	Acceptable, RTU – 5% soil for 30 seconds
Virucidal Effectiveness Test – Herpes Simplex Virus Type 2	Submitted study, MRID 47957943	Acceptable, RTU – 5% soil for 30 seconds
Virucidal Effectiveness Test – Human Coronavirus	Submitted study, MRID 47957944	Acceptable, RTU – 5% soil for 30 seconds
Virucidal Effectiveness Test – Human Influenza B Virus	Submitted study, MRID 47957945	Acceptable, RTU – 5% soil for 30 seconds
Virucidal Effectiveness Test - Cytomegalovirus	Submitted study, MRID 47957946	Acceptable, RTU – 5% soil for 30 seconds
AOAC Germicidal Spray Test – C. glabrata	Submitted study, MRID 47957947	Acceptable, RTU – 5% soil for 1 min.
AOAC Germicidal Spray Test – Penicillian – resistant S. pneumoniae	Submitted study, MRID 47957948	Acceptable, RTU- 5% soil for 3 min.
AOAC Germicidal Spray Test – Carbapenem K. pneumoniae	Submitted study, MRID 47957949	Acceptable, RTU- 5% soil for 3 min.

**General Comments**

A stamped label acceptable with conditions is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

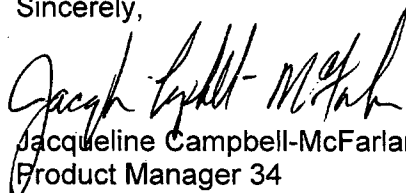
Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3 (c) (5) and section 4 (a) when the Agency requires all registrants of similar products to submit such data.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product bearing the amended labeling constitutes ~~agreement~~ **agreement** to these conditions.

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If you have further questions concerning this letter, then please contact me by telephone at (703) 308-6416 or by e-mail at [campbell-mcfarlane.jacqueline@epa.gov](mailto:campbell-mcfarlane.jacqueline@epa.gov) or Killian Swift by telephone at (703) 308-6346 or by email at [swift.killian@epa.gov](mailto:swift.killian@epa.gov). When you are submitting information or data in response to this letter, send copy of this letter to accompany the submission in order to facilitate processing.

Sincerely,



Jacqueline Campbell-McFarlane  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Enclosure: Stamped label with conditions  
Efficacy Data Evaluation

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# CARB

**ACTIVE INGREDIENTS:**

Octyl decyl dimethyl ammonium chloride	0.1890%
Dioctyl dimethyl ammonium chloride	0.0945%
Didecyl dimethyl ammonium chloride	0.0945%
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chlorides	0.2520%
Ethanol	58.0600%
OTHER INGREDIENTS†	41.3100%
TOTAL	100.0000%

† This product contains sodium nitrite

**KEEP OUT OF REACH OF CHILDREN**

**WARNING:** See back panel for additional precautionary statements.

**NET WT.** \_\_\_\_\_

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
MAY 24 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.  
67619-21

**This product must not result in the direct or indirect contamination of food products.**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eye wear (safety glasses). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. If skin contact with product occurs, wash thoroughly with soap and water, especially prior to food handling and preparation. Remove or cover aquariums and cages before use.

**FIRST AID:**

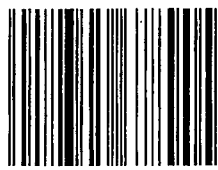
**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for further treatment advice. Have the product container with you when calling a poison control center or doctor or going for treatment. Questions? Call 1-888-797-7225.

**PHYSICAL HAZARDS: Flammable:** Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° Fahrenheit may cause bursting.

**STORAGE AND DISPOSAL: Pesticide Storage and Disposal:** Do not contaminate water, food, or feed by storage and disposal. Store at temperatures below 130° Fahrenheit. **Container Disposal:** Do not puncture or incinerate. Do not reuse empty container. [Please] recycle empty container or discard in trash.

-or-  
This container may be recycled in aerosol recycling centers. At present, there are only a few such centers in the U.S. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE!) If recycling is not available, wrap the container and discard in the trash.

-or-  
Empty the can by using the product according to the label. (DO NOT PUNCTURE) Some recycling centers accept these steel containers. Otherwise, wrap container and discard in trash.



Questions? Comments? Call toll-free 1-888-797-7225  
Mfd. for Clorox Professional Products Company  
1221 Broadway, Oakland, CA 94612  
© 2009 The Clorox Company  
EPA Reg. No. 67619-21  
EPA Est. No. 58996-MO-1, 5813-CA-5, 71681-GA-1, IL-1, IL-2, 81368-OH-1

Made in [the] USA  
Contains no phosphorus  
Contains no CFCs or other  
ozone depleting substances  
Federal Regulations Prohibit  
CFC Propellants in Aerosols

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## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
[Shake well.] For use on non-food contact surfaces only. For surfaces that may come in contact with food [such as countertops and high chairs], a potable water rinse is required. Do not use on glassware, utensils or dishes.

### GENERAL CLAIMS

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

#### Claims:

- Do not use on [polished] wood, painted surfaces, acrylic plastics
- Bleach-free
- Clear formula
- Color fast
- Commercial Solutions®
- Contains no abrasives, harsh acids
- Contains no bleach
- Convenient
- Does not contain bleach
- Easy to use
- Eliminates -or- Removes [kitchen] [bathroom] odors
- For Professional Use
- For use in homes
- For use on both white and colored hard surfaces
- Formula for bathrooms -and/or- kitchens
- Great for everyday use [in the kitchen -or- bathroom]
- Great for Kitchen[s] -and/or- Bathroom[s] [too]
- [Great] For Everyday Use [in Kitchens and Bathrooms]
- Great in the Kitchen and Bathroom
- Institutional [size]
- Kitchen formula
- Made for kitchen surfaces and odors
- Multi-Surface
- No mixing
- No Unpleasant Odors
- Non-abrasive formula [will not scratch surfaces]
- Non-Chlorine Formula: Will not bleach clothing or colored surfaces
- Prevents [odors]
- Professional size
- Will not harm most hard, nonporous surfaces
- Will not harm Special -or- Premium Surfaces

### DEODORIZATION

**To deodorize: Spray on precleaned surfaces as needed.**

#### Claims:

- Deodorizes -and/or- disinfects -or- helps deodorize
- Deodorizer [for Institutional Use]
- Deodorizes food odors [like garlic and onion] [left behind on kitchen surfaces] [after cooking]
- Eliminates mold odor[s]
- Eliminates odors caused by bacteria [and non-fresh foods]
- Eliminates -or- reduces [kitchen] odors [in the trash can -or- recycling bin odors -or- smells] [caused by ~~germs~~ or bacteria]
- Eliminates pet odors caused by ~~germs~~ or bacteria
- Kills odor causing bacteria in the kitchen -or- bathroom
- Kills odor causing bacteria ~~or germs~~
- Kills -or- eliminates bacteria that cause [bad] odors
- [This product] deodorizes areas that are hard to keep fresh smelling, in the [insert use sites from Tables 1-5]
- [This product] will deodorize hard, nonporous surfaces [including [insert surface[s] from Tables 1-5] [use site[s] from Tables 1-5] [where obnoxious odors may develop]
- [This product] will deodorize surfaces in [insert site[s] from Tables 1-5]
- Removes -or- Eliminates odors

### DYE & SCENT DESCRIPTORS AND CLAIMS:

- Contains no [dyes] [added colors]
- Dye-Free
- Free of Added -and/or- Dyes -and/or- Colors
- Free -or- clear of dyes
- Fresh scent formula
- Fresh Scented
- Has a fresh scent -or- fragrance -or- smell

### MOLD

**To control and prevent the growth of mold:**

Spray precleaned surface until thoroughly wet. Surface must remain wet for 1 minute before wiping or air drying. Respray product as necessary for ongoing -or- continual control.

#### Claims:

- Controls [and] [prevents] mold growth
- Kills [and prevents the growth of] mold
- This product inhibits growth of mold

#### Organism:

**1 minute contact time:**

Trichophyton mentagrophytes [ATCC 9533]

### DISINFECTION

**To Disinfect:** Spray 6 to 10 inches from precleaned surface for 3-4 seconds -or- until thoroughly wet. Surface must remain wet for 10 minutes. A potable water rinse is required for food contact surfaces.

Do not use on glasses, dishes, or utensils.

#### Claims:

- Antibacterial [spray] [action] [formula]
- An effective disinfectant for use in the kitchen, bathroom, bedroom, and other areas
- Antibacterial [Formula]
- Antibacterial Formula Disinfects
- Antibacterial -or- Germicidal [on hard, nonporous surfaces] [for Kitchens and Bathrooms]
- Antibacterial -or- Germicidal [Formula]
- Antimicrobial
- Bactericidal
- [Bathroom] [Restroom] [Kitchen] disinfectant
- Broad Spectrum Hospital Disinfectant
- Disinfects & [and] Deodorizes
- Disinfectant
- Disinfectant [for Institutional Use]
- Disinfecting formula
- Disinfecting spray
- Disinfect[s]
- Disinfects [Germs]
- Disinfects [washable] kitchen surfaces including killing [99.9% of] germs -and/or- bacteria -and/or- viruses -and/or- fungi
- Easily disinfect
- For [Hospital] [Commercial] [Industrial] & Institutional Use ~~[Antibacterial]~~
- For Healthcare Use
- For Hospital Use
- Fungicidal -or- Antifungal
- Germicidal
- Hospital disinfectant
- Kills 99.9% of Bacteria
- Kills [99.9% of] Germs
- Kills [99.9% of] [kitchen] [bathroom] bacteria
- Kills [99.9% of] **see organism list**
- Kills Avian Influenza virus\*\*
- Kills bacteria -or- germs -or- viruses on washable kitchen -and/or- bathroom surfaces and fixtures
- Kills bacteria -or- viruses
- Kills Flu Virus[†] [Influenza A virus]
- Kills [household] bacteria [without bleaching]
- Kills Influenza A virus [- the virus that causes the common flu]
- Kills [Salmonella enterica] [kitchen bacteria]
- Leaves hard, nonporous surfaces sanitary -or- disinfected in 10 minutes
- Multi-purpose disinfectant [spray]
- Provides broad spectrum kill of Gram negative and Gram positive microorganisms

- Pseudomonacidal
- Ready to use disinfectant
- Ready to use formula provides disinfecting and deodorizing
- Spray
- Staphylocidal
- [This product] deodorizes and disinfects hard, nonporous surfaces -or- **list any use sites: Tables 1-5**
- [This product] is a no rinse disinfectant that disinfects, and deodorizes in one labor saving step
- This product is a Broad Spectrum disinfectant, bactericidal according to the AOAC Germicidal Spray Product Test method
- This product is effective against the pathogenic fungi Trichophyton mentagrophytes (Athlete's Foot Fungus) when used as directed for disinfection with a contact time of 1 minute on hard, nonporous surfaces in bathrooms, including shower stalls, floors, and glazed bathroom tiles
- [This product] kills 99.9% of bacteria & viruses
- [This product] kills bacteria, viruses and mold
- [This product] kills germs throughout the kitchen -or- restaurant -or- establishment -or- building on hard, nonporous surfaces plus controls mold growth
- This product meets AOAC Germicidal Spray Product Test efficacy standards for hospital disinfectants
- [This product] will disinfect hard, nonporous surfaces [**insert surface(s) from Tables 1-5**] [**use site(s) from Tables 1-5**]
- Use [this product] to disinfect nonporous [**insert use sites/surfaces from Tables 1-5**]. [Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (120°), and allow to air dry.
- Virucidal -or- Antiviral
- [Virucidal] [Bactericidal] [Pseudomonacidal] [Fungicidal] [Deodorizer]

\*\*Kills Avian Influenza virus on precleaned hard, nonporous surfaces

#### †Influenza A virus

**Germicidal against the following [organisms]: -or- [This product] kills the following [organisms]: -or- Disinfects against the following [organisms] -and/or- Fungicidal -and/or- Virucidal:**

**Organisms:**  
**See organism list**

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***Pandemic 2009 H1N1 Influenza A virus***

***Standard 2009 H1N1 Claims:***

- 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 A 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 A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

- This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).
- Kills Pandemic 2009 H1N1 influenza A virus.

***Alternate 2009 H1N1 Claims:***

- 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]



[Bracketed information is optional text.] Underline is new. Strike-through (text) means removed.  
R0803-3.1

**DISINFECTION continued**

**Organisms:**

[This product] kills germs: -or- Kills -or- Disinfects against the following bacteria, viruses, fungi:

**ORGANISMS:**

**Bacteria:**

**3 minute contact time:**

Acinetobacter baumannii	[ATCC 15308]
Burkholderia cepacia	[ATCC 25416]
Campylobacter jejuni	[ATCC 29428]
Carbapenem-Resistant Klebsiella pneumoniae	[ATCC: BAA-1705]
Community-Associated Methicillin-Resistant Staphylococcus aureus (CA-MRSA 300)	[Genotype 300]
Community-Associated Methicillin-Resistant Staphylococcus aureus (CA-MRSA 400)	[Genotype 400] [Clinical Isolate 08005]
Corynebacterium diphtheriae	[ATCC 11013]
Enterobacter aerogenes	[ATCC 13048]
Enterobacter cloacae	[ATCC 35549]
Enterococcus faecalis	[ATCC 29212]
Escherichia coli (E.coli)	[ATCC 11229]
Escherichia coli O157:H7	[ATCC 35150]
ESBL (Extended Spectrum Beta Lactamase) producing Escherichia coli (ESBL producing E. coli)	[ATCC BAA-196]
Extended Spectrum Beta Lactamase producing Klebsiella pneumoniae [(ESBL producing Klebsiella pneumoniae)]	[ATCC 700603]
Klebsiella oxytoca	[ATCC 43165]
Klebsiella pneumoniae	[ATCC 4352]
Legionella pneumophila	[ATCC 33153]
Listeria monocytogenes	[ATCC 19111]
Methicillin-Resistant Staphylococcus aureus (MRSA 100)	[Genotype USA 100 NARSA NRS382]
Methicillin-Resistant Staphylococcus aureus (MRSA 200)	[Genotype USA 200 NARSA NRS383]
Methicillin-Resistant Staphylococcus aureus	[ATCC 33591]
Multidrug-Resistant Klebsiella pneumoniae	[ATCC 51503]
Penicillin-Resistant Streptococcus pneumoniae	[ATCC 700671]
Proteus mirabilis	[ATCC 7002]
Proteus vulgaris	[ATCC 27973]
Pseudomonas aeruginosa	[ATCC 15442]
Pseudomonas putida	[ATCC 12633]
Salmonella enterica	[ATCC 10708]
Salmonella enterica [serovar – paratyphi B]	[ATCC 8759]
Salmonella enteritidis	[ATCC 13076]
Salmonella typhi	[ATCC 6539]
Serratia marcescens	[ATCC 14756]
Shigella dysenteriae	[ATCC 13313]
Staphylococcus aureus	[ATCC 6538]
Stenotrophomonas maltophilia	[ATCC 13637]
Streptococcus pneumoniae	[ATCC 33400]
Streptococcus pyogenes	[ATCC 19615]
Vancomycin-Resistant Enterococcus faecalis (VRE)	[ATCC 51299]

**5 minute contact time:**

Mycobacterium bovis (BCG) -or- TB

**DISINFECTION continued**

**Fungi:**

**3 minute contact time:**

**1 minute contact time:**

Candida albicans	[ATCC 10231]	
Candida glabrata	[ATCC 2001]	c c c c c
Trichophyton mentagrophytes	[ATCC 9533]	c c c c c

**Viruses (non-enveloped):**

**30 second contact time:**

Rhinovirus 39	[ATCC VR-340]	c c
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**10 minute contact time:**

Adenovirus type 2	[ATCC VR-846]	c c c c c c c c c c c
Adenovirus type 14	[ATCC VR-15]	c c c c c
Coxsackievirus B3	[ATCC VR-30]	c c c c c
Echovirus type 12	[ATCC VR-42]	
Feline calicivirus (surrogate for Norovirus)	[ATCC VR-782]	
Hepatitis A virus		
Poliovirus [type 1] [Polio]	[ATCC VR-1562]	
Rotavirus	[ATCC VR-899]	

**Viruses (enveloped):**

**30 second contact time:**

Avian Influenza virus	[H5N1 NIBRG-14]	
Bovine viral diarrhea virus (surrogate for Human Hepatitis C virus)		
Cytomegalovirus	[ATCC VR-538 [strain AD-169]]	
Duck Hepatitis B virus (DHBV) (surrogate for Human Hepatitis B virus)		
Hantavirus [(Prospect Hill virus)]		
Herpes Simplex Virus type 1	[ATCC VR-260]	
Herpes Simplex Virus type 2	[ATCC VR-734]	
Human coronavirus	[ATCC VR-740 [strain 229-E]]	
Human Immunodeficiency virus (HIV) type 1		
Human Influenza A virus	[A/PR/8/34 (H1N1)]	
Human Influenza B virus	[b/Lee40]	
Respiratory Syncytial Virus (RSV)	[ATCC VR-26]	

**10 minute contact time:**

SARS-Associated Coronavirus (SARS)	[CDC strain 200300592]	
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**ENVIRONMENTAL TEXT:**

[Important Facts about this product:]

- This can is made from an average of 25% recycled steel (10% post-consumer)

- Encourage your local authorities to establish a program to recycle this can
- [Please] Recycle empty container.

[Bracketed information is optional text.] Underlined text is new. Strike-through (text) means removed.  
R0803-3.1

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**TABLE 1 Medical:**

**USE SITES**

Ambulances -or- [Emergency Medical]  
Transport Vehicles  
Anesthesia Rooms -or- Areas  
[Assisted Living -or- Full Care] Nursing  
Homes  
CAT Lab[oratories]  
Central Service Areas  
Central Supply Rooms -or- Areas  
Critical Care Units -or- CCUs  
Doctor's Offices  
Donation Centers [blood] [plasma] [semen]  
[milk] [apheresis]  
Emergency Rooms -or- ERs  
Eye Surgical Centers  
Health Care Settings -or- Facilities  
Home Health Care [Settings]  
Hospices

Hospitals  
[Hospital] Kitchens  
Intensive Care Units -or- ICU[s] [areas]  
Laboratories  
Laundry Rooms  
Long Term Care Facilities  
[Medical] Clinics [Facilities]  
Medical Facilities  
Medical -or- Physician's -or- Doctor's  
Offices  
Newborn -or- Neonatal [Nurseries]  
[Intensive Care] Units [NICU]  
Nursing Homes  
Nursing -or- Nurses' Stations  
Operating Rooms  
Ophthalmic Offices  
Orthopedics

Outpatient [Surgical Centers (OPSC)]  
[Clinics] [Facilities]  
Patient Areas  
Patient Restrooms  
Patient Rooms  
[Pediatric] Examination Rooms -or- Areas  
Pediatric Intensive Care Units [PICU]  
Pharmacies  
Physicians' Offices  
Physical Therapy Rooms -or- Areas  
Psychiatric Facilities  
Public Areas  
Radiology -or- X-Ray Rooms -or- Areas  
Recovery Rooms  
Rehabilitation Centers  
Surgery Rooms -or- Operating Rooms  
-or- ORs  
Waiting Rooms -or- Waiting Areas

**HARD, NONPOROUS SURFACES  
ASSOCIATED WITH THE FOLLOWING**

anesthesia machines  
apheresis machines  
autoclaves  
bathroom doorknob  
bedpans  
bedpan cleaner  
bedrails  
[bedside] commodes  
bedside tables  
blood pressure cuffs  
blood pressure (BP) monitors  
cabinets  
call boxes  
CAT -or- Computerized Axial Tomography  
equipment  
carts  
chairs  
charging stations  
computer peripherals  
computer screens  
computer tables  
cords  
counters  
[crash] [emergency] carts  
diagnostic equipment

docking stations  
edges of privacy curtains  
[exam -or- examination] tables  
external surfaces of [medical] equipment  
-or- [medical] equipment surfaces  
[external] [surfaces of] ultrasound  
transducers [-and/or- probes]  
gurneys  
hard, nonporous hospital -or- medical  
surfaces  
[hospital -or- patient] bed(s) [springs]  
[railings] -or- linings -or- frames  
IV [stands] [pumps] [poles]  
keyboards  
large surfaces  
loupes  
mammography equipment  
medication carts  
mobile workstations  
mouse pads  
MRI -or- Magnetic Resonance Imaging  
equipment  
operating room tables and lights  
operating room light switches  
overbed tables  
paddles  
patient chairs

plastic -or- vinyl mattress covers  
patient monitoring equipment  
patient support and delivery equipment  
phlebotomy trays  
physical therapy (pt) equipment surfaces  
pulse oximeters  
PVC tubing  
reception counters -or- desks -or- areas  
remote controls  
respiratory therapy equipment  
scales  
sequential compression devices  
side rails  
slit lamps  
small surfaces  
spine backboards  
stethoscopes  
stools  
stretchers  
surfaces in and around toilets in patient  
rooms  
toilet handholds  
traction devices  
walls [around toilet] [in patient rooms]  
wash basins  
wheelchairs  
x-ray equipment

**For Medical Device Use Surfaces**

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 which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

**PERSONAL PROTECTIVE SAFETY EQUIPMENT**

face shields	protective headgear	spectacles
goggles	silicone rubber -or- PVC hearing protectors	vinyl covered earmuffs
hard hats		

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***Use on non-critical surfaces in:***

**TABLE 2** Dental:

**USE SITES**

Dental Offices  
Examination Rooms  
Dental Operatories  
Dental -or- Dentists' Offices

**SURFACES**

amalgamators -and/or- dental curing lights  
dental countertops  
dental operatoriy surfaces  
dentists' -or- dental chairs

endodontic equipment such as apex locators  
hard, nonporous [environmental] dental surfaces  
light lens covers  
pulp testers and motors  
reception counters -or- desks -or- areas

**TABLE 3** Veterinary and Farm:

**USE SITES**

Animal Life Science Laboratories  
Animal [Pet] Housing [Kennels] [Facilities]  
Animal Holding Areas  
[Animal -or- Pet] Grooming Facilities  
Animal Transportation Vehicles  
Breeding Establishments  
Equine Farms

Farms  
Kennels  
Livestock -and/or- Swine -and/or- Poultry Facilities  
Pet [Areas] [Quarters]  
Pet Shops -or- Stores  
Small Animal Facilities  
Tack Shops

Veterinary Clinics -or- Facilities  
Veterinary or Animal Hospitals  
Veterinary [Offices] [Waiting Rooms]  
Veterinary [Examination Rooms]  
Veterinary [X-ray Rooms]  
Veterinary [Operating Rooms]  
Zoos

***For Medical Device Use Surfaces***

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 which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

**SURFACES**

animal equipment  
around troughs  
automatic feeder exteriors  
empty cages  
external surfaces of [veterinary] equipment

feed rack exteriors  
fountains  
hard, nonporous [environmental] veterinary surfaces  
pens

reception counters -or- desks -or- areas  
stalls  
veterinary care surfaces  
watering appliance exteriors

**TABLE 4** Food Service:

**USE SITES**

Banquet Halls  
Bars  
Cafeterias  
Catering Facilities  
Commercial -or- Institutional Kitchens

Delis [Delicatessens]  
Fast Food Chains -or- Restaurants  
Food Preparation and Processing Areas  
Food [Service -or- Processing] Establishments  
Food Serving Areas

Other Food Service Establishments  
Restaurants  
School Kitchens

**SURFACES**

any washable (food and non-food contact) surface where disinfection is required  
appliances  
dish racks  
drain boards

food cases  
food trays  
freezers  
hoods  
microwave[s] [exteriors]  
oven[s] [exteriors]

plastic -or- metal outdoor furniture (excluding wood frames and upholstery)  
refrigerator[s] [exteriors]  
salad bar sneeze guards  
stoves -or- stovetops

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[Bracketed information is optional text.] Underline is new. Strike-through (text) means removed.  
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**TABLE 5** Miscellaneous/General:

**USE SITES**

Airplanes [Airports]  
Ambulances  
Athletic [Recreational] Facilities  
Automobiles  
Barber Shops  
Basements  
Bathrooms  
Bathroom -or- Locker Room  
Facilities  
Beauty Salons  
Bedrooms  
Blood Banks  
Boats  
Bowling Alleys  
Buses  
Butcher Shops  
Cafeterias  
Campers  
Cars  
Churches  
Colleges  
Convenience Stores  
Correctional Facilities  
[Damp] Storage Areas  
Day Care Centers  
Dens  
Dorms  
Dormitories  
Elevators  
Emergency Vehicles  
Factories  
Fast Food Restaurants  
[Food Processing] Plants  
Funeral Homes  
Garages  
[Garbage] [Waste] Storage Areas

Gas Stations  
Grocery Stores  
Gymnasiums -or- Gyms  
Health Club[s] [Facilities]  
Homes  
Home Centers  
Hotels  
Industrial Facilities  
Institutional Kitchens  
[Institutional] Laundromats  
Institutions  
Kennels  
Kitchen[s] [surfaces]  
Laboratories  
Laundromats  
Laundry Rooms  
Lavatories  
Locker Rooms  
Lodging Establishment  
Lounges  
Malls  
[Manufacturing] Plants  
Manufacturing Plants -or- Facilities  
Markets  
Mass Merchandisers, Discount Retailers  
-and/or- General Merchandise Stores  
Military Installations  
Mobile Homes  
Mortuaries  
Motels  
Motor Homes  
Mudrooms  
Nurseries  
Office[s] [Buildings]  
Pet Areas  
Pharmacies

Play Areas -or- Rooms  
Playgrounds  
[Police -and/or- Fire] Vehicles  
Produce Areas  
Public Areas  
Public Facilities  
Public Restrooms  
Public Telephone[s] [Booths]  
Recreational Centers -or- Facilities  
Rental Cars  
Rest Stops  
Restaurants  
Restrooms -or- Restroom Areas  
Retail businesses  
School Buses  
Schools  
Shelters  
Ships  
Shopping Centers  
Shops  
Shower Rooms  
Sports Arenas  
Storage Rooms -or- Areas  
Subways  
Supermarkets  
Toolsheds  
Transportation Terminals  
Trains  
Trolleys  
Universities  
Vacation Homes  
Warehouse Clubs

A potable water rinse is required for food contact surfaces.  
Do not use on glassware, utensils, or dishes.

[Bracketed information is optional text.] Underline is new. Strike-through (text) means removed.  
R0803-3.1

14  
14

**TABLE 5** Miscellaneous/General: continued

**SURFACES**

appliance exterior[s] [surfaces]	elevator buttons	linoleum	stainless steel
appliance -or- cabinet knobs	exercise machines	lockers	stall doors
baked enamel	exhaust fans	[medicine] cabinets	staplers
bassinets	exterior -or- external toilet surfaces	metal	stovetops -or- stoves
[bathroom] fixtures	exterior -or- external urinal surfaces	metal blinds	synthetic marble
[bathroom] [kitchen] faucet[s] [handles]	exterior surfaces of urinals -and/or- toilets	metal work benches	tables [tabletop[s]]
[bath]tubs	faucets	microwave exterior	[tiled] walls
bed frames	fax machine[s] [handles]	office machinery	tires
behind and under counters	[filling] [medicine] cabinets	office -or- bedroom -or- bedside furniture	[toilet [flush]], [telephone]
behind and under sinks	finished hardwood	other telecommunication equipment surfaces	[cabinet]
boats	finished -or- painted woodwork	outdoor grill exteriors	[dishwasher] [door] handles
booster chairs	finished windowsills	outdoor -or- patio furniture	toilet -and/or- urinal exterior[s]
burner trays	fixtures	oven doors	[surfaces] -or- exterior toilet surfaces toilet[s], [handle]
cabinets	floors [around toilets]	pet areas -or- surfaces	[rims] [seats] [tops]
car interiors	furniture	phones	tools
carts	freezer exteriors	plastic laundry hampers -or- baskets	towel dispensers
chairs	garage surfaces	plastic patio furniture -or- lawn chairs	toy boxes -or- storage bins
[children's] furniture	garbage -or- trash cans	plastic shower curtains	trailers
closets	glazed ceramic [restroom surfaces]	plastic surfaces associated with: floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms	[training] toilets
[clothes] [diaper] hampers	glazed [ceramic] tile[s]	playground equipment	trash cans -or- compactors
coated ceilings	glazed porcelain [tiling -or- tile]	playpens	tray tables
[computer] keyboards	[grocery [store] -or- supermarket] carts	portable toilet exteriors	tubs
cooler exteriors	[grocery [store] -or- supermarket] cart handles	[public -or- pay] telephones -or- phone booths	urinals
counters -or- countertops	[grocery [store] -or- supermarket] cart child seats	range hoods	vanity tops -or- vanities
cupboards	gym[nastic] equipment	recycling bins	vehicles
cribs	hampers	refrigerator door handles	vending machine surfaces
crystal (non-food contact areas)	[hand]railings -or- rails	refrigerator exterior	[vinyl] linoleum -or- wallpaper
desk[s] [tops]	[hard] plastic -or- vinyl headsets	RVs	walkers
[diaper -or- infant] changing [tables] -or- areas [stations]	high chairs (non-food contact areas)	sealed fiberglass	walls
diaper pails	[kids'] play [structures] [equipment] [furniture] [tables]	shelves [and drawers]	[washable] floors [including linoleum, no-wax, vinyl, and glazed ceramic tile]
dictating equipment [surfaces]	[kitchen] appliance exteriors	shower[s] [area] [curtains] [doors] [stalls] [walls]	washable kitchen surfaces
[dining] [fast food] [kitchen] [picnic] [play] [restaurant] [tray] tables	light fixtures -or- switches -or- panels	signs	[washable] walls
dining room surfaces -and/or- tables -and/or- fast food restaurant tables		sink[s] [basins]	washers/dryers -or- washing machine exterior[s]
door[s] [handle[s]] [frame[s]]		seats	wastebaskets
doorknobs		sports equipment	whirlpool tubs
drain boards			window [blinds] [shades]
drawer pulls			windshields
dressing carts			wrestling mats

**SURFACE MATERIALS**

[baked] enamel	glazed tile	stainless steel	Do Not Use On: acrylic plastics natural marble painted surfaces paper surfaces [polished] wood rubber unfinished wood
chrome	laminated surfaces	synthetic marble	
[common] hard, nonporous [household -or- environmental] surfaces	Marlite	vinyl [tile]	
Formica	painted surfaces	similar hard, nonporous surfaces except for those excluded by the label	
glazed ceramic [tile]	plastic [laminated]		
glazed porcelain	plexiglass		
	porcelain enamel		
	sealed fiberglass		