



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

42182-9

Date of Issuance:

8/10/2017

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Firebird F130

Name and Address of Registrant (include ZIP Code):

Tony Herber
Microban Products Company
11400 Vanstory Drive
Huntersville, NC 28078

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Jacqueline Hardy, Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:

8/10/2017

2. You are required to comply with the data requirements described in the DCI or EDSP order identified below:
 - a. ADBAC GDCI-069105-30882
 - b. DDAC GDCI-069149-30869
 - c. DDAC GDCI-069165-30870
 - d. DDAC GDCI-069166-30875

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP for more information on these proposed data requirements, you may contact the Reevaluation Team Leader (Team 36):

<http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 42182-9."
4. Submit one copy of the final printed label for the record before you release the product for shipment.
5. Because you have opted to add statements pertaining to emerging viral pathogens to your label as described in the August 19, 2016, Guidance To Registrants: Process For Making Claims Against Emerging Viral Pathogens Not On EPA-Registered Disinfectant Labels ("Guidance"), https://www.epa.gov/sites/production/files/2016-09/documents/emerging_viral_pathogen_program_guidance_final_8_19_16_001_0.pdf, you are subject to the following additional terms of registration:
 - a. You may make statements pertaining to emerging viral pathogens only through the following communications outlets: technical literature distributed exclusively to health care facilities, physicians, nurses and public health officials, "1-800" consumer information services, social media sites and company websites (non-label related). These statements shall not appear on marketed (final print) product labels.
 - b. Your statements pertaining to emerging viral pathogens must adhere to the format approved on the Agency accepted master label.
 - c. You may make statements pertaining to emerging viral pathogens only upon a disease outbreak that meets all the following criteria:
 - i. The causative organism must be a virus that causes an infectious disease that has appeared in a human or animal population in the U.S. for the first time, or that may have existed previously but is rapidly increasing in incidence or geographic range.

1. For human disease, the outbreak is listed in one of the following Centers for

Disease Control (CDC) publications:

- A. CDC Current Outbreak List for “U.S. Based Outbreaks” (www.cdc.gov/outbreaks),
- B. CDC Current Outbreak List for “Outbreaks Affecting International Travelers” with an “Alert” or “Advisory” classification (www.cdc.gov/outbreaks) (also released through the CDC’s Health Alert Network (HAN) notification process)
- C. Healthcare-Associated Infections (HAIs) Outbreaks and Patient Notifications page (www.cdc.gov/hai/outbreaks)

- 2. For animal disease, the outbreak is identified as an infectious disease outbreak in animals within the U.S. on the World Organization for Animal Health (OIE) Weekly Disease Information page (www.oie.int/wahis_2/public/wahid.php/Diseaseinformation/WI).

- ii. The CDC or OIE has identified the taxonomy, including the viral family and/or species, of the pathogen and provides notice to the public of the identity of the emerging virus that is responsible for an infectious disease outbreak. Based on the taxonomy of the outbreak pathogen identified by the CDC or OEI, the pathogen's viral subgroup is [small non-enveloped, large nonenveloped, enveloped].
 - iii. The virus can be transmitted via environmental surfaces (non-vector transmission), and environmental surface disinfection has been recommended by the CDC, OIE or EPA to control the spread of the pathogen.
- d. You may begin communicating statements pertaining to emerging viral pathogens only upon CDC or OIE’s publication per term 5.c.i. of an outbreak of an emerging viral pathogen meeting all of the criteria of term 5.c. You must cease and remove all such non-label communications intended for consumers no later than 24 months after the original publication of the outbreak per term 5.c.i., unless the Agency issue written guidance to the contrary due to continued public health concerns. The emerging pathogen claim language may remain on the master label.
- e. Terms 5.a through 5.d above shall become immediately void and ineffective if registration for use against [identify label viruses] is suspended or cancelled or no longer meets the criteria for a disinfectant claim (see EPA Product Performance Test Guideline 810.2200). In addition, terms 5.a through 5.d above shall become immediately void and ineffective upon your receipt of evidence of ineffectiveness against any pathogen in a less-resistant Spaulding category.

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

claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

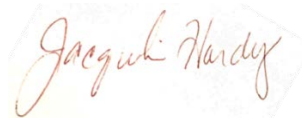
If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Please also note that the record for this product currently contains the following

- Basic CSF dated 12/23/2016
- Alternate Formulation #1 dated 12/23/2016
- Alternate Formulation #2 dated 12/23/2016

If you have any questions, please contact Lorena Rivas by phone at (703) 305-5027, or via email at rivas.lorena@epa.gov.

Sincerely,



Jacqueline Hardy, Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

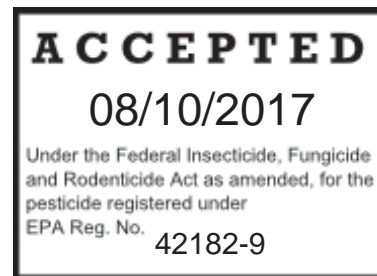
Enclosure: Stamped Label
Product Chemistry Review dated 07/17/2017
Acute Toxicity Review dated 05/18/2017

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

Firebird F130

[Hospital][Disinfectant][24 Hour Residual Disinfectant][Soft Surface spot Sanitizer][Hard Surface Mildewstat][Fabric Mildewstat][Cleaner][and][Deodorizer]

KEEP OUT OF REACH OF CHILDREN
WARNING



Active Ingredients:

Alkyl dimethyl benzyl ammonium chloride (50%C ₁₄ , 40%C ₁₂ , 10%C ₁₆)	0.276%
Didecyl dimethyl ammonium chloride.....	0.104%
Octyl decyl dimethyl ammonium chloride.....	0.207%
Diocetyl dimethyl ammonium chloride	0.104%
Ethanol	68.610%
Other ingredients	30.699%
<hr/> Total:	<hr/> 100.000%

EPA Reg. No.: 42182-9

EPA Est. No.: {insert appropriate EPA Est. No}

[Lot code designates actual Est.]

[Manufactured][Distributed][Sold] [by][for]:

Microban Products Company
11400 Vanstory Drive
Huntersville, NC 28078

Net contents: {Actual contents will be inserted on container label}

XX FL OZ. [(XX mL)]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

PRECAUTIONARY STATEMENTS: Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222. **EMERGENCY PHONE (24 Hours):** 1-800-535-5053 or 1-352-323-3500.

Physical or Chemical Hazards: Combustible. Do not use or store near heat or open flame.

{For containers larger than 5 gallons, the following statement will be used}

Environmental Hazards

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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all directions and precautions on this product label.

[Can be used on] [For use on] {*Insert hard non-porous surfaces from Table x and/or x*} [and many similar household surfaces.]

[For best [aesthetics][appearance][results]]Use with a microfiber cloth [not for use with paper]

[May streak on mirrors and glass]. [For other surfaces, test in an inconspicuous area.] [Test on an inconspicuous area for colorfastness.]

Safe for use on [these] surface materials:

[plastic], [upholstery], [painted wood], [sealed wood] [painted surfaces], [washable fabric], [vinyl], [leather], [stainless steel], [aluminum], [glazed porcelain], [glazed ceramic] {or insert surface material from Table 1}

[To Refill [Trigger sprayer][Bottle]: Remove trigger sprayer. Pour in product from refill container and replace trigger.

{Sanitizing Directions}

Hold container 6"-8" from surface and spray until thoroughly wet.

To Sanitize Hard Non-porous surfaces: Let stand 10 seconds. Wipe clean with a [damp] cloth [or sponge] [or paper towel]. Pre-clean heavily soiled surfaces. [Kills [effective against] [99.9% of] {*Insert non-food contact sanitization bacteria from Table C*}.]

To spot Sanitize Soft [Fabric] surfaces: Let stand for 10 seconds. Let air dry. [For difficult odors, repeat application] [Kills [effective against] [99.9% of] {*Insert soft surface sanitization bacteria from Table D*}.]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

{Disinfecting Directions}

TO DISINFECT Hard, non-porous surfaces: Hold container 6"-8" from surface and spray until thoroughly wet.

{one of the following statements will be used:}

Bacteria and Cold and Flu Viruses[§]: Let stand [for] 60 seconds [-or- 1 minute]

{or}

Bacteria, Enveloped viruses[□], [Rotavirus,][Fungi][and Mold and Mildew] [Mycobacteria (TB)]: Let stand [for] 3 minutes.

{or}

Bacteria, Viruses[‡], [Mycobacteria (TB)] [and] Fungi [and mold & mildew]: Let stand [for] 5 minutes.

{in conjunction with:}

Wipe with a lint free microfiber cleaning cloth [to avoid lint or paper towel residue]. Preclean heavily soiled surfaces. [Kills] [effective against] [99.9% of] {Insert appropriate organisms from Table A based on 1, 3, or 5 minute contact time.}

For Residual Disinfection [-or-Continuous Disinfection] on hard non-porous surfaces for 24 Hours: Hold container 6"-8" from surface. Spray [surface] ensuring [even][uniform] coverage [distribution] and thorough wetness. Allow to air dry. Preclean heavily soiled surfaces. [Kills 99.999% of][Effective Against] [bacteria] [*Staphylococcus aureus*, *Enterobacter aerogenes*, Methicillin Resistant *Staphylococcus Aureus* (MRSA), *Pseudomonas aeruginosa*, *Vancomycin resistant Enterococcus faecalis* (VRE)] . [Provides residual disinfecting activity for up to 24 hours.]

[Product [residue] can be removed by soap and water [or by re-application of the product].] [Periodic cleaning with soap and water is optional.]

Use of this product [for residual disinfection] should not alter standard cleaning and disinfection practices. If the treated surface is cleaned, reapplication of [this] product is necessary for continued residual activity.

{The following Special Instructions will only appear on final labels listing HBV, HCV, or HIV}

This product kills HBV, HCV, and HIV on precleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings 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 Hepatitis B Virus (HBV), Human Hepatitis C Virus (HCV), and Human Immunodeficiency Virus (HIV).

Special instructions for using this product to clean and decontaminate against HBV and HCV on surfaces/objects soiled with blood/body fluids:

Personal Protection: When handling items soiled with blood or body fluids, use disposable impervious 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.

Contact Time: Allow surfaces to remain wet for 10 sec[onds], [rinse and] let air dry. For all other organisms, see directions for contact times.

Disposal of Infectious Materials: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

{Mildew Fungistatic Directions}

TO PREVENT MOLD [AND MILDEW] [growth]:

[Fabric[Soft Surface] Mildewstat] On [cotton and polyester [nonwoven]] Fabrics:

[To inhibit mold and mildew growth]: Apply to fabric surface until wet [do not saturate]. Allow to air dry.

Repeat [application] every 7 days to inhibit mold [and mildew] growth. [Effective against *Aspergillus brasiliensis* [mildew] and *Penicillium variable*.] Pre-clean heavily soiled surfaces.

[Hard Surface Mildewstat] On hard surfaces:

[To inhibit mold and mildew growth]: Thoroughly wet surface. Allow to air dry. Repeat [application] every 7 days to inhibit mold [and mildew] growth. [Effective against *Aspergillus brasiliensis* [mildew]] Pre-clean heavily soiled surfaces.

{Storage and Disposal}

{For spray bottles intended to be refilled by end-user}

STORAGE AND DISPOSAL: Do Not Contaminate Water, Food, or Feed by Storage and Disposal.

STORAGE: Store out of reach of children or 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. **CONTAINER HANDLING:** Do not reuse or refill except as described in the directions for use. [If not refilling,] place in trash or offer for recycling if available.

{For bottles used to refill trigger sprayer or a Nonrefillable container}

STORAGE AND DISPOSAL: Do Not Contaminate Water, Food, or Feed by Storage and Disposal.

STORAGE: Store out of reach of 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. **CONTAINER**

HANDLING: Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

{NOTE: Any claim may appear on either FRONT or BACK panel in bullet or paragraph format}

{Packaging Related Claims}

- [Reduces] [packaging] waste [by X%] (when compared to regular canister or bucket or pail)
- Buy 1 Get 1 Free
- [(Bonus x%) [Bonus x fl. oz.] [X% More Free] [X fl. oz. Free]
- Packaging made with [x%] recycled plastic
- Bonus/X% More Free: [10%] [15%] [20%] [25%] [30%] More fl. ounces per bottle
- Refill Size: fills trigger sprayer 3 times
- Recyclable bottle

{Marketing Claims}

- Now -and/or- New [!] and -or- & Improved [!] {To be used as a claim descriptor only for the first 6 months on shelf}
- [New] [New & Improved]
- Meets OSHA blood-borne pathogens[BBP] standard
- Meets AHE hospital practice guidance for environmental cleaning
- Meets CDC guidelines for disinfection in healthcare settings
- Dual action
- No mixing, measuring, [or rinsing] required
- Ready to Use
- No need to dilute
- Non-abrasive formula
- Contains no phosphates
- Phosphate free
- [Microban®] – [Antimicrobial solutions] used by hospitals [doctors] [for over 30 years.]
- Used by hospitals [doctors] Used in hospitals. Approved [for use] in hospitals [by][doctors] [for over 30 years]
- Powered by Microban [antimicrobial] [technology]
- Saves [money][time][labor]
- Bleach free
- Chlorine free
- Manufactured in the US
- Developed in the US
- Smart cleaning product [cleaner]
- Removes and renews [regenerates][rejuvenates][refreshes]
- No accumulation [build up]
- Does not contain heavy metals
- Triclosan free
- BPA free
- Phthalates[plasticizer] free
- To be used in {insert site from Table 3}
- Will not corrode surfaces {or insert use surface from Table 3}
- Easy to use
- Convenient
- For daily use
- Versatile
- [Based on][Powered by] [Microban [antimicrobial] technology]
- Bleach-free formula [Does not contain bleach]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

- [Does not include nonylphenol ethoxylates] [Does not include alkylphenol ethoxylates]
- No mixing
- No measuring
- [Sample]
- [Portable]
- [Requires no mixing or measuring and is ready-to-use]
- Cleans as it disinfects

{The following may be used on market labels for six months after introduction to market or applicable updates:}

- [long lasting][24 hour][continuous][residual] [disinfectant] [for] [healthcare]
- [Breakthrough][Innovative][Revolutionary][disinfectant][disinfecting] [technology][approach] [method] [process] [solution] [product]
- [Better] [Improved] [New] [!]
- [Better] [Improved] [New] [New and improved] [formula] [packaging] [New and improved]
- [New Claims] [New Kill Claims]
- [New Claims – Kills for 24 hours]
- [New - Saves Time]
- [New] [Residual][Persistent] Technology]
- [New] [& Improved]

{Fragrance Claims}

- No added [perfumes] [and] [or] [dyes]
- unscented
- Fresh smell
- No fragrance added
- Fragrance free

{Cleaning and Deodorizing Claims}

- [Multi-purpose cleaner]
- [Dual purpose][deodorizing][cleaning][disinfecting]
- Convenient, quick and easy cleaning all around [the office] [business] [workplace]
- [Eliminates odors]
- [Odor [elimination] [neutralization]
- Eliminates [tough] Odors
- Deodorizes [-and/or- disinfects -or- helps deodorize]
- Deodorizer
- Eliminates biological odors
- Eliminates foul smells and damp odors
- Eliminate[s] [incontinence] odors [from urine -and/or feces -and/or- vomit]
- Eliminates odors
- Eliminates odors at their source
- Eliminate odors without just masking them
- Eliminates [urinary -and/or- fecal] incontinence -or- biological –or tough odors [like urine, feces, and vomit] [quickly]
- For use on hard, non-porous surfaces -and/or- soft surfaces
- Formulated to neutralize urine -and/or feces -and/or- vomit [odors] [quickly]
- Formulated to neutralize tough -or- biological -or- [urinary -and/or fecal] [odors] [like urine -and/or feces -and/or- vomit] incontinence odors [like urine -and/or feces] [quickly]
- Leaves a pleasant fragrance

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

- Neutralizes odors [(doesn't [just] mask)]
- Odor eliminator
- Reduces -or- removes odors
- Removes -or- eliminates odors [quickly]
- [This effective product] eliminates odors at their source. [Does not just mask odors.]
- [This product] deodorizes areas that are hard to keep fresh smelling, in the [insert use site[s]]
- [This product] will deodorize hard, nonporous surfaces [including {insert surfaces or sites from Table 3}]
- Tough lingering odors are completely removed
- Deodorizer [for institutional use]
- Deodorizes food odors [like garlic and onion] [left behind on kitchen surfaces] [after cooking]
- Odor eliminator
- Removes -or- eliminates odors
- [This effective product] eliminates odors at their source. [Does not just mask odors.]
- [This product] deodorizes areas that are hard to keep fresh smelling, in the {insert use site} from Table 3}
- [This product] will deodorize hard, nonporous surfaces [including {insert surfaces or use sites from Table 3}]
- [Just][Simply][spray and wipe]

{Sanitizing Claims}

- [Rapid][Fast] [kill] [time][sanitization][Reduces][Removes][for] {insert organisms from Table C}
- [Sanitizer]
- Eliminates -or- reduces [kitchen] odors [in the trash can -or-recycling bin odors -or- smells] [caused by bacteria]
- Eliminates Tough Odors
- Kills odor-causing bacteria
- Kills -or- eliminates bacteria that cause [bad] odors
- Eliminates odors caused by bacteria [and non-fresh foods]
- Eliminates pet odors caused by bacteria
- Kills odor-causing bacteria in the kitchen -or- bathroom
- Kills odor-causing bacteria
- Kills -or- eliminates bacteria that cause [bad] odors

{Disinfecting Claims}

- An effective [Great][Appropriate][ideal][approach] [method] [process] [solution] [product][way] to [clean] [protect] [guard] [disinfect] [eradicate] [kill] [disinfect] [destroy] [eliminate] [against] [odor-causing] [nosocomial][Hospital borne][hospital acquired] [bacteria] [germs] [norovirus] [viruses[†]] [cold & flu viruses[§]] [pathogens] [ESKAPE** bacteria] [harmful] [fungus] [organisms][microorganisms] on hard, non-porous surfaces[fomite] listed on this label.
- [Suitable][Approved for] [To Use] [On Surfaces[fomites]] [On {insert item from Table 3}]
- [Cleans and] disinfects
- Virucidal[†]
- Bactericidal
- Fungicidal
- Tuberculocidal
- Perfect for disinfecting {insert use site}
- [Leaves {insert item/use site from Table 3} fresh and clean]
- [Leaves [bathroom] [{insert item/use site from Table 3} office] clean [and] [disinfected] [smelling fresh]
- Great][Appropriate][ideal] for cleaning [and disinfecting] around [high touch areas] [high traffic areas] [the toilet] [and] [sink] [tub]] [On {insert item from Table 3}]
- [1 min[ute]][60 sec[ond]] [kill] [time][disinfection] for {insert organisms that are ≤ 1 minute contact time}

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

- [Easy] [and convenient] [way to clean] [and disinfect]
- Easy way to clean [and disinfect] [bathroom] [or exterior toilet surfaces] [hard, non-porous surfaces]][fomites] [So] [surfaces are more than just clean,] [they're] [disinfected]
- [Kills] [germs] [or bacteria] [that cause odor] [while it cleans]
- [3 minute kill time](excluding norovirus and poliovirus)
- [3 minute contact time](excluding norovirus and poliovirus)
- [Deactivates][Disinfectants][Kills] [cold & flu viruses^s in 10 seconds]
- Germ fighting formula
- [Always] [ready-to-use]
- [kills all tested bacteria in 1 minute][kills bacteria in 1 minute]
- [An effective method to deodorize and disinfect against odor-causing organisms on hard non-porous surfaces]
- [An effective way to disinfect hard, non-porous environmental surfaces]
- Antibacterial
- Antimicrobial
- Helps reduce[reduces] cross contamination on treated surfaces
- [Kills 99.9%] [of germs]
- Kills germs in 1 minute {Note to reviewer: this claim will lead to a list of at least *S. aureus*, *P. aeruginosa*, and one or more enveloped virus}
- Disinfectant
- [Easy][convenient][to use]
- Disinfect on the go
- Can help reduce cross contamination on treated surfaces
- Clean and disinfect hard, non-porous surfaces easily
- [Use to] [Deodorize hard, non-porous surfaces] [Deodorizes, and kills common household germs]
- [Disinfect external surfaces of ultrasound transducers]
- Disinfects headsets [and telephones]
- Compatible for use on [hard non-porous] surfaces commonly found in healthcare settings [listed on this label]
- [Disinfect surfaces] [Disinfects and deodorizes in 1 minute]
- [Disinfects hard non-porous environmental surfaces listed on this label.
- [Use to]] [Disinfect against bacteria on hard, non-porous surfaces in 1 minute]
- [[Disinfects] hard surfaces [that people touch]]
- [Disinfects {insert from List 3}] [Disinfects [in [just] five [5] minutes]
- [Easy [and convenient] way to disinfect {insert use sites from Table 3}[high touch] hard, non-porous surfaces everyday]
- Effective against the flu virus^h
- [Effective against[bathroom] bacteria and viruses: [ESBL *E. coli*] [*Salmonella enterica*] [*Staphylococcus aureus*] [Herpes Simplex Virus Type 1] [Herpes Simplex Virus Type 2] [Hepatitis B Virus (HBV)] [Hepatitis C Virus (HCV)] [Avian Influenza A H3N2 Reassortant Virus] {insert organisms from list A}]
- Effective daily cleaner
- Effectively disinfects against MRSA [Methicillin Resistant *Staphylococcus aureus*]
- Effectively disinfects against Norovirus
- [[convenient] [portable] way to disinfect hard non-porous surfaces]
- [cleaner and] disinfectant
- [Clean and disinfect in one step] [Saves Time]
- Kills ESKAPE** pathogens[organisms][in 1 min[ute]]:[*Enterococcus faecalis*VRE], [*Staphylococcus aureus*MRSA], [*Klebsiella pneumoniae* CRE], [*Acinetobacter baumannii* MDR], [*Pseudomonas aeruginosa* MBL], [*Enterobacter aerogenes*]
- [Deactivates] [Disinfectants] [kills] bloodborne pathogens in 10 seconds
- Kills TB [(*Mycobacterium bovis* – BCG)]
- For daily use

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

- For use in critical care areas [where control of cross contamination on surfaces is of prime importance]
- Helps prevent cross contamination on treated surfaces
- [Hospital [disinfectant] [disinfection] [use only when hospital use sites on label]
- Leaves [bathroom] [office]{insert use site from Table 3} disinfected [and smelling fresh]
- Odor [elimination] [neutralization] [One step cleaner and disinfectant]
- [Perfect for disinfecting exterior toilet surfaces - or - around the exterior of toilet]
- [Premixed] [Ready-to-Use] [Premeasured] [Easy] [and convenient] way to disinfect]
- [Reduces] [cross contamination] on hard non-porous surfaces
- [Wipes out] [Kills] [common] [household] [bacteria] [viruses[‡]] [germs]
- [Wipes out] [Kills] [Eliminates]: {Insert organisms from Table A} [in 1 minute]
- [Wipes out] [Kills] [the] flu virus^u
- [Wipes out] [Kills] [viruses[‡] and bacteria] Including the flu virus^u
- Kills super bugs
- Peace of mind that you are eliminating [99.9%] of germs
- Reduces [nosocomial][hospital acquired][hospital borne] bacteria transmitted via contaminated surfaces
- Reduces cross contamination on treated surfaces
- Eliminates odors caused by bacteria
- Eliminates mold [and mildew] [odor[s]]
- Kills cold and flu viruses^s in 10 seconds
- Disinfects in [1][3][5] minutes {appropriate claim will be used on container label based on which line of disinfection directions for use is used}

{24 Hour Residual Disinfection Claims}

- [Breakthrough][Innovative][Revolutionary][Only][first]][disinfectant][disinfecting] [technology][[approach] [method] [process] [solution] [product] that [is][provides]{insert any of the following bullet points from this section}

{Any of the claims below may be used alone or in conjunction with the claim above}

- Disinfection that lasts all day
- 24 hour persistence
- Persistent disinfection for [up to] 24 hours
- Enduring disinfection for [up to] 24 hours
- Hard surface persistence for [up to] 24 hours
- Designed for 24 hour disinfection against bacteria
- Provides defense against bacteria {insert bacteria from Table B}
- Maintains a disinfected surface for 24 hours
- Keeps surfaces disinfected longer to stop the spread of[nosocomial][hospital acquired][hospital borne] bacteria[pathogens]
- Protects from bacteria between each daily cleaning
- [Disinfects][Hygienic][Cleaner] between cleaning
- Guards against recontamination [after cleaning] for up to 24 hours of [nosocomial][hospital acquired][hospital borne]organisms
- 24 hour residual disinfection for {insert use site from Table 3}
- Reduce cross contamination[transmission] on [high touch] surfaces
- For [24 hour] disinfection
- [ongoing][non-stop][unabating][[Persistent][persisting][constant][sustained][long lasting][lasting][enduring][cleaning][disinfecting][persistence] for [up to] 24 hours
- [ongoing][non-stop][unabating][[Persistent][persisting][sustained]Disinfectant] for [up to] 24 hours
- [All day protection] [night and day protection][Around the clock protection]
- [lasts for 24 hrs]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

- Continues to disinfect, even after the surface is dry,[giving peace of mind] for [up to] 24 hours
- [Kills all day long][Kills and keeps killing]
- 24 hour [residual][continuous] surface disinfection against bacteria
- [This product] [Kills [*Staphylococcus aureus*] [MRSA - Methicillin Resistant *Staphylococcus aureus*][VRE *Enterococcus faecalis*] [and][*Enterobacter aerogenes*] [*Pseudomonas aeruginosa*] for 24 hours
- [Persistent] antibacterial [disinfection] for [up to] 24 hours
- This product] eliminates 99.9[9][99]% of bacteria {insert from Table B} [for up to 24 hours]
- Disinfection that lasts all day
- [When used as directed] [this product] provides residual disinfection from {insert organisms from Table B}for [up to] 24 hours after initial application.
- Advanced residual[healthcare] disinfection
- [Independent] External tests show this formulation is scientifically proven to kill 99.9[9][99]% of bacteria for 24 hours[even after multiple touches][normal wear and tear][up to 90[96] touches][normal daily use]
- 24 hour disinfection of bacteria {insert bacteria from Table B}
- [Designed for] 24 hour disinfection [against bacteria]
- Provides defense from bacteria {insert bacteria from Table B} for 24 hours
- 99.9[99]% reduction after [90][96] touches
- Protects [-or- continuously disinfects] up to 96 touches for [up to] 24 hoursA product that gives you peace of mind for 24 hours [hr] [residual disinfection against bacteria]
- [Kills) [disinfects] [eliminates] 99.9[99]% of bacteria for 24 hours [even after multiple touches][normal wear and tear][up to 90+ touches][normal daily use]
- [This product] [kills][eliminates] 99.9% of bacteria ,then continues to disinfect [kill 99.9[99]%] against [key][common][clinically important]organisms[pathogens] {insert from Table B} for [up to] 24 hours[hrs]
- Maintains a disinfected surface for 24 hours
- Kills 99.9[99]% of bacteria {Insert organisms from Table B} for 24 hours
- Residual self-disinfecting for 24 hours
- Keeps [treated] surfaces disinfected longer to [reduce] [stop] the spread of bacteria
- Provides 24 hour residual antibacterial control [and 7 day mold & mildew prevention][even after multiple touches]
- [Disinfect] surfaces once a day to provide residual disinfection against bacteria
- Protects surfaces from bacteria between each daily cleaning [disinfecting] [with this product]
- Kills [99.9[99%]bacteria between each daily cleaning
- Ideal for use on [in] {insert use sites/surfaces from Table 3} to provide 24 hour [antibacterial] disinfection
- [Works longer than] [lasts longer than][[standard disinfectants]
- [Unlike][Compare[d] with]][standard {insert use site from Table 3}disinfectants] continues working[disinfecting][for 24 hours][after 24 hours of touches][even when dry]
- 24 hour sustained performance even on dry treated surfaces
- Dry touch [continuous] disinfection for up to 24 hours
- Effective for longer than[standard{insert use site from Table 3}disinfectants]
- Outperforms standard hospital[healthcare] disinfectants over 24 hours
- Controls the spread of bacteria on treated surfaces for 24 hours
- Patented formula [providing residual disinfection][for [up to] 24 hours]
- Provides invisible [coating][layer] that [fights][disinfects][bacteria]for 24 hours
- Invisible film [provides disinfection][disinfects][for] 24 hours
- 24 hour disinfection on treated surfaces
- Scientifically proven [to disinfect surfaces for 24 hours]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

{Soft Surface Sanitizer Spot Treatment}

- An [effective][fast] soft surface sanitizer
- Great for use on soft surfaces such as [insert soft surface[s] from Table 2]
- Kills microorganisms on [hospital] soft surfaces -or- fabric -or- [insert soft surface(s) from Table 2]
- No precleaning required on lightly soiled surfaces
- One-step cleaner and soft surface sanitizer
- [Removes] [Eliminates] odors by killing odor-causing bacteria on [soft surfaces] [fabrics] {insert soft surface[s] from Table 2}
- Sanitizes by killing [99.9% of] *Enterobacter aerogenes* and *Staphylococcus aureus* on soft surfaces in 10 sec[onds]
- Sanitizes fabric -or- soft surfaces -or- [insert soft surface(s) from Table 2]
- Sanitizes in one step
- Sanitizes soft surfaces [in 10 seconds][quickly][fast]
- [Rapid] Soft surface [-or- fabric] sanitizer
- Use on [couches] [chairs] [and other soft surfaces] [blinds] [curtains]
- A proven sanitizer on soft surfaces
- An effective soft surface sanitizer
- Great for use on soft surfaces such as {insert soft surfaces from Table 2}
- Kills microorganisms on [hospital] soft surfaces [fabric] {insert soft surfaces} from Table 2}
- One-step cleaner sanitizer on soft surfaces
- Use on {insert soft surfaces from Table 2}
- Effective against 100% cotton and 100% polyester fabric

{Fabric Mildewstat Claims}

- Fabric Mildewstat[fungistat]
- Controls[Inhibits][Prevents] the growth of mold [and] [mildew] for [up to] 7 days on fabric
- Controls[Inhibits][Prevents] the growth of [fungi][fungus][fungal spores][mold spores][mold & mildew spores] [for [up to] 7 days on fabric]
- Controls[Inhibits][Prevents] the growth of mold [and] [mildew] for [up to] 7 days on {Insert item from Table 2}
- Controls [inhibits] [Prevents] [mold and] mildew growth [for 7 days]
- Protects [Surfaces] [from mildew] for 7 days* *soft surfaces

{Hard Surface Mildewstat Claims}

- Prevents [mold and mildew growth][for 7 days]
- Mildewstat[fungistat]
- Controls[Inhibits][Prevents] the growth of mold [and] [mildew] for [up to] 7 days on hard surfaces
- Controls[Inhibits][Prevents] the growth of [fungi][fungus][fungal spores][mold spores][mold & mildew spores] [for [up to] 7 days on hard [bathroom][or kitchen] [or household] surfaces
- Controls[Inhibits][Prevents] the growth of mold [and] [mildew] for [up to] 7 days on {Insert items from Table 3}
- Inhibits growth of mold [& mildew] for 7 days
- Prevents [mold and mildew growth][for 7 days]

{Emerging Viral Pathogen Claims}

This product qualifies for emerging viral pathogen claims against the following categories of emerging viral pathogens when used in accordance with the directions for use for Poliovirus type 1 or Norovirus:

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

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

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

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

{Terminal Sterilant Disclaimer per PR Notice 94-4}

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 pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

{For product labels with veterinary/farm/animal care use sites, the following statement will be used:}

Use to disinfect and clean hard, nonporous surfaces such as feeding and watering equipment, cages, utensils, instruments, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings, and manure from walls, floors, and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering equipment. Pre-clean all surfaces with soap or detergent and rinse with water. Spray surface until completely wet and let stand for five (5) minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treated surfaces have been thoroughly rinsed with water and allowed to dry. Thoroughly scrub all treating, feeding, and watering appliances with soap or detergent, and rinse with potable water before re-use.

{Use Sites}

{Table 1: Hard Non-porous nonfood contact Surface Types}

Acrylic	Aluminum	Brass	Chrome
Corian®	Copper	Crystal	Glass
Formica®	Glazed porcelain [tile]	Glazed ceramic [tile]	Sealed Fiberglass
Sealed Grout	Galvanized metal	Sealed granite	Sealed [or finished] hardwood [floors]
Laminated Surfaces	Laminate	Plastic laminate	Sealed Limestone
Linoleum	Metal	Mirrors	Sealed Marble
Nickel	Plastic	Plexiglass®	PEX(cross linked polyethylene)
PVC	Sealed Slate	Sealed stone	[Stainless] steel
Sealed Terra Cotta	Sealed Terrazzo	Glazed tile	Tin
Vinyl	Painted wallboard	Finished –and/or- Painted Wood	Sealed wood
Zinc			

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

{Table 2: Soft Surface Spot Sanitizer and Fabric Mildewstat Use sites/surfaces}

Back packs	Bath[room] mat	Cotton fabrics	Chairs
[Clothing]	Mats	Exercise mats	Cloth shower curtain
Curtains	Cotton/polyester blend fabrics and textiles	Laundry bag	Diaper bag
Drapes	Stroller [seat]	Privacy drapes	Gym bags
Linens	Towels	Shades	Lab coats
Polyester fabrics	Window treatments	Scrub suits	Mattress cover
Sport equipment lining	Sports bags	textiles	

{Table 3: Hard, nonporous Use Sites/Surfaces} {May also includes graphic(s) depicting use site}

Bathroom	Dining room	Mud room	Kitchen ^A
Bedroom	Home[House]	Nursery	Garage
High-touch areas	Powder room	Basement	Living room
Acute Care Institutions	Bathroom Fixtures	Hotel Rooms	Assisted Living Facilities
Bathtubs	Campers	Cruise ship [surfaces] [equipment] [s]	Cruise ship surfaces
Airports	Bed [Frames] [railings]	Campground Cars	Curing Lights
Vanity top	Bed pans	Alternate Care Institutions	CAT Scan [equipment] [rooms]
Ambulance[s] [equipment] [surfaces]	Benches	Anesthesia rooms	Cutting Tools
blood glucose meters	bladder scan equipment	[Cardiac] [gym] equipment	defibrillators
Blood banks	Carts	Central Service Areas	Day Care Centers
Cervical collars	Blinds	Central Supply Rooms	Delivery Trucks
Animal Care Facilities	Dental [Chairs] [offices] [operatory rooms]	Clean rooms	Clinics
dental unit instrument trays	dopplers	infant incubators [interior and exterior surfaces of]	infant warmers [interior and exterior surfaces of]
apex locators	gurneys	[Tympanic] [Electronic] thermometers	endodontic equipment
Animal Equipment	Dialysis [Centers] [machines][clinics]	Chairs	Nurse call [button] [device]
Animal Hospitals	Boats	Changing Tables – or- Areas	Emergency vehicles
Animal Labs	Commercial Building	Hotels	Department Stores
Animal Life Science Laboratories	Bowling Alleys	Acute care institutions	Desks
Auto Repair Centers	Hospital[s] [beds]	Medical offices	Desktops
Automatic Teller Machine (ATM)	Breeding and Grooming Establishments	Computer Manufacturing Sites	Barges
Automatic Feeders	[Nylon][Hair] Brushes	Coated Mattresses	EMS & Fire Facilities
Banks	Buckets	Coated Pillows	Diaper Pails
Barber/Beauty Shops	Buses	Combs	Elder Care Centers
Bars	Newborn Nurseries	Computer keyboards	Dispensing & Filling Equipment
Basements and crawl spaces	Medical Research Facilities	Clippers	Dog/Cat Animal Kennels

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

Dressing Carts	Isolation [Areas] [wards]	Computer peripheral[s]	[Door] [Cabinet] [Appliance] Knobs [Frames]
Dressing Rooms	Bathroom [Counter] tops	Cabinet[s] [Cupboard[s]] [Handles]	Neonatal units
Drinking Fountains (nonfood contact areas)	Countertops ^A	Convenience Stores	IV [Poles][pumps]
isolettes	laboratory equipment and surfaces	loupes	operating room tables and lights
Ophthalmoscopes	Otoscopes	oxygen hoods	physical therapy (PT) equipment surfaces
Drone[s][peripherals] [equipment]	Drawer Pulls	Conveyer Belt (non-food contact)	Drain Boards
patient lift equipment	pulse oximeter	stethoscopes	telemetry equipment
telephones	Exteriors of amalgamators	Exteriors of dental curing lights	Exteriors of anesthesia machines
Exteriors of respiratory therapy equipment	Exteriors of apheresis machines	Exteriors of diagnostic equipment	Exteriors of dialysis machines
Exteriors of patient monitoring equipment	Exteriors of patient support and delivery equipment	Exteriors of pulp testers and motors	
Operating Room[s] [lights] [surfaces][tables]	Folding Tables	Hard, nonporous surfaces	Massage/Facial Salons
Ultrasonic Baths	Plastic surfaces	Appliance exteriors	Neck Braces
Ophthalmic/ Optometric facilities	Life Care Retirement Communities	Tweezers	Polyurethane keyboard covers
Recovery Room	Food Processing Plants (nonfood contact areas)	Exam [rooms] [tables]	Examination [rooms] [tables]
Respiratory Therapy centers	Food Storage Areas	Household and Automotive Garages	Mobile Homes
[Empty] Diaper Pails	Government facilities[spaces]	Housekeeping & Janitorial Rooms	Movie Houses
Grocery Carts and Stores	Footboards	Ultrasound [transducers] [and] [probes][monitors]	External surfaces of medical equipment
Equine Farms	Orthopedic Clinics	Light fixture[s]	Museums
[Surgery] [Operating] [OR] Rooms	Garbage Cans	Radiology [rooms] [equipment]	External surfaces of respiratory equipment
Polyvinyl splash aprons	Gift Shops	Mammography equipment	Hospices
Exercise Machines	Glass	Kennel Runs	Oxygen hoods
Hair/Nail/Pedicure Salons	Vet Offices or Hospitals	Kennels	Phlebotomy trays
Hair Clippers	Greenhouses	Kindergarten classrooms	Physician Offices
Finished Baseboard	Grill exteriors	Labs	Nurseries
Office[s] [Building[s]] [Equipment]	Physical therapy [rooms] [areas]	Large inflatable, non-porous plastic and rubber structures	Surgical Centers
Exterior Surfaces of Air Vents or Air Vent Exteriors	X-ray [labs] [tables] [equipment]	Laundries	Obstacle Course Play and Exercise Equipment
Manicure/ pedicure tools	Razor[s] [Trimmer] [Blades]	Vet or Veterinary Clinic Surfaces	Livestock[pork][poultry] [beef][ostrich][bison][emu] Premises
Traction Devices	Headboards	Flower Pots	
Fire Trucks	Health Clubs	Lifts	Oxygen Hoods

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

Flats	Sinks	Slides	Exterior surfaces of Urinals
Feed Racks	Helicopters	Litter boxes	Vanities
Public Spaces	Home Health Care	Locker Rooms	Outdoor Areas and Furniture
Photocopy Centers	Handrails	Slit Lamps	Libraries
Patio furniture	Reception Counters or Desks or Areas	Soap dispensers	Veterinary Clinics
Pedicure Basins	Recreational sporting [snow][water] equipment	Solar energy equipment[panel]	Veterinary Offices
Pens	Pet Shops	Spas	Video Stores
Performance/ Theater Centers	Recreational Facilities	Spine Backboards	Walkways
Pet Animal Quarters	Recycling Bins and Centers	Spittoons	Walls
Playpens	Shopping Malls	Sports Arenas	Washable Nail Files
Sports Complexes	Washable Walls	Stalls	Washing Areas
[Unit] Stools	Restrooms	Plumbing Fixtures	Washing machines
Trains	Restroom Fixtures	Storage areas	Watercraft
Exterior Toilet Bowl Surfaces	Retail and Wholesale Establishments	Stovetops	Wheelchairs
Piano keys	Robot[s]	Stretchers	High Touch Surfaces
Picnic Facilities	RV's	Strollers	Zoos
Pipeless Foot Spas	Satellite[s]	Supermarkets	Tools
Pipes	Salons	Tables	Touch Screen[s]
Plastic Rollers	Scales	Tack Shops	Windowsills
Playground Equipment	Schools	Surfaces of Tank Trucks	Work Areas
Playroom	Scissors	Surfaces of Tankers	Post Offices
Police Cars	Ships	Counter[top]s	Troughs
Portable and Chemical Toilets and Latrine Buckets	Recycled materials [polymers][textiles][fibers]	Trash [Barrels][Cans][Containers]	[Toilet] [Urinal] Exterior[s] [Surfaces]
Preschools	Steps	Taverns	Toy Factories
Mobile Homes	Trucks	Tires	Toilet [Seats]
TV Remote Controls	Trailers	Taxis	Refrigerator exteriors
Shower [Curtains] [doors] [stalls]	Exterior surfaces of Toilets	Telephone[s] [Booths] [Cradles]	Tanning [Beds] [equipment] [salons] [spas]
Ambulances	Ambulatory Surgical Centers (ASC)	CAT [scan] Labs	Central Supply
Critical Care Unit (CCU)	Doctors' Offices	Donation Centers [blood][plasma][semen][milk] [apheresis]	Emergency Medical Settings
Emergency Rooms (E.R.)	Emergency Vehicles	Eye Surgical Centers	Health Care Facilities
Home Health Care	Hospitals	Intensive Care Units (ICU)	Laundry Rooms
Long Term Care Centers	Neonatal Intensive Care Units (NICU)	Newborn nursery	Nursing homes
Operating Rooms (OR)	Ophthalmic Offices	Orthopedics	Out-Patient Surgical Centers (OPSC)
Patient Care Areas	Pediatrics	Pediatric Intensive Care Units (PICU)	Physical therapy
Physician's offices	Rehabilitation	Respiratory therapy	Skilled Nursing Facility
Surgery [rooms]	Surgery Intensive Care Unit (SICU)	Surgical Centers	Transport vehicles

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

X-Ray [rooms][equipment]			
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{Table A: List of Disinfection Organisms}

Disinfection

Contact Time	Bacteria	Identification Number	Antibiotic Resistance demonstrated
1 min[ute]	** <i>Acinetobacter baumannii</i> MDR (Multi-drug resistant)	[ATCC BAA-1605]	[Ceftadizime, Gentamicin, Ticarcillin, Piperacillin, Cefepime, Ciprofloxacin, Imipenem, Meropenem]
	** <i>Enterobacter aerogenes</i>	[ATCC 13048]	
	<i>Escherichia coli</i> ESBL (Extended spectrum beta-lactamase)	[ATCC BAA-196]	[Ceftadizime, Cefotaxime]
	<i>Escherichia coli</i> O157:H7	[ATCC 35150]	
	** <i>Enterococcus faecalis</i> VRE (Vancomycin resistant enterococcus)	[ATCC 51575]	[Vancomycin]
	** <i>Klebsiella pneumoniae</i> CRE (Carbapenem resistant Enterobacteriaceae)	[ATCC BAA-2146]	[Imipenem, Meropenem]
	<i>Pseudomonas aeruginosa</i>	[ATCC 15442]	
	** <i>Pseudomonas aeruginosa</i> MBL (Metallo beta-lactamase positive)	[CDC AR-0246/PSA-18]	[Imipenem]
	<i>Salmonella enterica</i>	[ATCC 10708]	
	<i>Staphylococcus aureus</i>	[ATCC 6538]	
	** <i>Staphylococcus aureus</i> (Methicillin Resistant) (MRSA)	[ATCC 33592]	[Methicillin]
	<i>Staphylococcus epidermidis</i> (Methicillin Resistant) (MRSE)	[ATCC 51625]	[Methicillin]
	<i>Staphylococcus aureus</i> (VISA) (Vancomycin-Intermediate)	[HIP5836]	[Vancomycin]
<i>Staphylococcus aureus</i> (VRSA) (Vancomycin-Resistant)	[HIP11714]	[Vancomycin]	
	Fungi		
3 min[ute]	<i>Aspergillus brasiliensis</i>	[ATCC 6275]	
	<i>Candida albicans</i>	[ATCC 10231]	
	<i>Trichophyton interdigitale</i>	[ATCC 9533]	
	Enveloped Viruses	Reference No.	Strain Information
10 sec[ond]	[‡] □Hepatitis B Virus (HBV) (Duck Hepatitis B Virus [as surrogate])		[11/4/12]
	[‡] □Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus [as surrogate])		[Oregon C24v-genotype 1]
	[‡] □Herpes simplex virus type 1	[ATCC VR-733]	[F(1)]
	[‡] □Herpes simplex virus type 2	[ATCC VR-734]	[G]
	[‡] □Human Coronavirus [§]	[ATCC VR-740]	[229E]
	[‡] □Human Immunodeficiency virus type 1 (HIV)		[HTLV-III _B]
	[‡] □Avian Influenza A (H3N2) Reassortant virus ^{§,μ}	[ATCC VR-2072]	[A/Washington/897/80 x A/Mallard/New York/6750/78]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

	[†] □2009-H1N1 Influenza A virus ^{§,¶} [(Novel H1N1)]	[CDC 2009712192]	[A/Mexico/4108/2009]
	[†] □Respiratory syncytial virus (RSV) [§]	[ATCC VR-26]	[Long]
	Large Non-enveloped Viruses		
2 min[ute]	[†] Rotavirus	[ATCC VR-2018]	[WA]
	Small Non-enveloped Viruses		
5 min[ute]	[†] Poliovirus type 1	[ATCC VR-1562]	[Chat]
	[†] Norovirus (Feline Calicivirus as surrogate)	[ATCC VR-782]	[F-9]
	Mycobacteria		
3 min[ute]	<i>Mycobacterium bovis</i> – BCG [(TB)] (68.2°F)[20.1°C]		

{Table B: List of Residual Disinfection Organisms}

Residual Disinfection

Contact Time	Bacteria	Identification Number	Antibiotic Resistance demonstrated
5 min[ute]	<i>Enterobacter aerogenes</i>	[ATCC 13048]	
	<i>Enterococcus faecalis</i> VRE (Vancomycin resistant enterococcus)	[ATCC 51575]	[Vancomycin]
	<i>Pseudomonas aeruginosa</i>	[ATCC 15442]	
	<i>Staphylococcus aureus</i>	[ATCC 6538]	
	<i>Staphylococcus aureus</i> (Methicillin Resistant) (MRSA)	[ATCC 33592]	[Methicillin]

{Table C: List of Nonfood Contact Surface Sanitization Organisms}

Hard, Nonporous Non-food Contact Surface Sanitization

Contact Time	Bacteria	Identification Number
10 sec[ond]	<i>Enterobacter aerogenes</i>	[ATCC 13048]
	<i>Staphylococcus aureus</i>	[ATCC 6538]

{Table D: List of Soft Surface Sanitization Organisms}

Soft Surface Spot Sanitization

Contact Time	Bacteria	Identification Number
10 sec[ond]	<i>Enterobacter aerogenes</i>	[ATCC 13048]
	<i>Staphylococcus aureus</i>	[ATCC 6538]

{Table E: List of Mildew Fungistatic Organisms}

Mildew Fungistat

Duration	Surface	Bacteria	Identification Number
7 days	Hard Surfaces	<i>Aspergillus brasiliensis</i>	[ATCC 6275]
	Soft (Fabric) Surfaces	<i>Aspergillus brasiliensis</i>	[ATCC 6275]
		<i>Pencillium variabile</i>	[ATCC 32333]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

{Optional Pictograms- Usage and Use Sites/Surfaces}



MICROBAN[®]
ELEVATE

PROTECTION THAT LIVES ON
MICROBAN[®]

[Bracketed text] is optional; text in {braces} is informational to the reviewer.

{The following graphics may incorporate a claim from the list of disinfection claims on pages 7-9}



{The following graphics may incorporate a claim from the list of residual disinfection claims on pages 9-10}

