



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 23, 2020

Georgia Anastasiou
Agent
Midlab, Inc.
c/o Lewis & Harrison
2460 S. Clark St.
Suite 710
Arlington, VA 22202

Subject: Label Amendment: Adding the Emerging Viral Pathogens Claim
Product Name: HP2O2
EPA Registration Number: 45745-11
Application Date: 01/30/2020
Decision Number: 560371

Dear Ms. Anastasiou:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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:

1. 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.

2. Your statements pertaining to emerging viral pathogens must adhere to the format approved on the Agency-accepted master label.
3. You may make statements pertaining to emerging viral pathogens only upon a disease outbreak that meets all the following criteria:
 - a. 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.
 - i. 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)
 - ii. 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).
 - A. 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 non-enveloped, enveloped.
 - B. 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.
4. You may begin communicating statements pertaining to emerging viral pathogens only upon CDC or OIE’s publication per term 3.a. of an outbreak of an emerging viral pathogen meeting all of the criteria of term 3. 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 3.a., 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.

5. Terms from points 1 through 4 above shall become immediately void and ineffective if registration for use against Rotavirus, Norovirus (Feline Calicivirus as the surrogate) and Rhinovirus Type 37 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 B.1 through B.4 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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, you may contact the disinfectantslist via email at disinfectantslist@epa.gov.

Sincerely,



John Hebert, Chief
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
Bold, Italicized text is information for the reviewer and is not part of the label.)

HP202

ONE-STEP DISINFECTANT CLEANER AND DEODORANT

(MULTI-SURFACE) (DISINFECTANT) • ONE-STEP DISINFECTANTS^s • (CLEANER) •
(*VIRUCIDAL) • BACTERICIDAL • DEODORIZER (ODOR COUNTERACTANT) (ODOR
NEUTRALIZER) • (NON-DULLING TO FLOORS) (FLOOR FINISHES).
(CONCENTRATE). (CLEANS, DISINFECTS & DEODORIZES) (MEETS SURFACE
DISINFECTION RECOMMENDATIONS FROM OSHA BLOODBORNE PATHOGEN
STANDARD FOR HBV & HIV)

(Restroom) (&) (Bathroom) (Disinfectant Cleaner) (Hospital Disinfectant Cleaner)
(Multi-Surface Disinfectant Cleaner)[±] ± (for) (use on) hard, non-porous surfaces

(Cleans, Deodorizes and Brightens in One Step) (Cleans Grout) (Cleans hard, non-
porous water washable surfaces!) (Degreaser) (Use Daily to Prevent the Buildup of
Dirt and Grime.) (Contains no alkyl phenol ethoxylate detergents)

(Fragrance Free Formula) (Unscented)

For (Hospital,) (Health Care,) (Industrial) & (Institutional) Use (Only)

ACTIVE INGREDIENT:

Hydrogen Peroxide.....4.25%

OTHER (INERT) INGREDIENTS:..... 95.75%

TOTAL:..... 100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION

See additional precautionary statements on back (side) (left) (right) (panel) (of)
(label) (below).

(See reference sheet (enclosed in each case) for (a complete list of # pathogenic
organisms) (additional features, claims, direction for use) (claimed for this product)
(eliminated by this product).)

Net Contents:

EPA Reg No. 45745-11

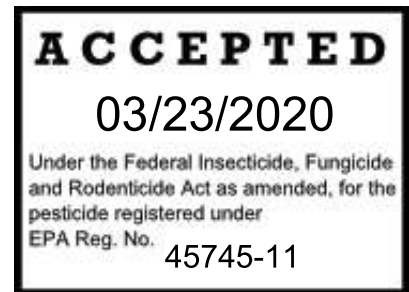
EPA Est No.

[Distributed by][Manufactured by]

Midlab, Inc.

140 Private Brand Way

Athens, TN 37303



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OPTIONAL CLAIMS

(FEATURES, CLAIMS & USES:)

(General Uses) This product is a one-step (hospital-use) germicidal† disinfectant cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew odors) (on) (of) hard, non-porous surfaces when used according to disinfection directions.

It cleans quickly by removing dirt, grime, (mold & mildew (odors) stains), body oils and other common soils found in hospitals, nursing homes, (acute) (and) (long-term) care facilities, office buildings, schools and colleges (universities), (day care centers), (medical) (dental) offices, funeral homes, transportation facilities, train (depots) (stations), bus (depots) (stations), airports, cruise ships, casinos, correctional facilities, athletic facilities, playgrounds, locker rooms, health clubs, exercise equipment, barber/beauty (salons) (shops), veterinary clinics, pet shops, (equine farms), animal life science laboratories, hotels, motels, public areas and restrooms, foodservice establishments (restaurants) (commercial kitchens) and federally inspected meat and poultry establishments (food [processing] [beverage] [brewing] plants), (dairies) (dairy farms), (warehouses) ([industrial (and)] (commercial) buildings only on non-food contact surfaces.

It is designed for use on (Use daily on) (the following) hard, non-porous (inanimate) surfaces: vinyl, painted surfaces, plastic (surfaces), glass, mirrors, glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, athletic equipment, exercise equipment, glazed tile, toilets, urinals, sinks, sink basins, faucets, tubs, shower rooms and locker room areas - any hard, non-porous washable non-food contact surface where disinfection is required.

This product's non-dulling formula eliminates the time and labor normally required for rinsing.

For use in (automated dilution systems) (automated) (dilution systems) (Dilution System trade name).

Do not use on glasses, dishes and utensils.

((Bathroom) (Restroom) (Bowl) Disinfectant Cleaner (for) (use on) hard non-porous surfaces:;) This product is a (concentrated) (bowl and) (bathroom) (restroom) cleaner that cleans, disinfects and deodorizes in one easy step when used according to disinfection directions. It cleans, disinfects and deodorizes mirrors, glass, toilet bowls, urinals, rims, sinks, sink basins, faucets, tubs, glazed tiles, glazed ceramic, glazed porcelain, chrome, stainless steel, and all hard non-porous, washable surfaces found in the bathroom (restroom) (in the presence of 5% organic soil).

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OPTIONAL CLAIMS - continued

This product reduces odor-causing bacteria leaving (bathrooms) (restrooms) smelling clean and fresh.

Use where odors are a problem.

It cleans, disinfects and deodorizes hard, non-porous surfaces by killing odor-causing microorganisms.

Its non-abrasive formula is designed for use (Use it daily) on (hard, non-porous (bathroom) (restroom) surfaces): mirrors, glazed ceramic (bathroom) (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

This product cleans, disinfects and deodorizes hard, non-porous surfaces by killing odor-causing microorganisms.

Its non-abrasive formula is designed for use on hard, non-porous restroom surfaces:) glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

(Hospitals/Health Care Facilities:) This product is a one-step (hospital-use) germicidal[‡] disinfectant cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew odors on) (of) hard, non-porous surfaces when used according to disinfection directions..

This product cleans quickly by removing dirt, grime, (mold & mildew (odors) stains), food residue, body oils, dead skin, blood and other organic matter commonly found in hospitals (acute) (and) (long-term) care facilities (and) (in health care facilities) (on medical surfaces).

It (also) reduces odor-causing bacteria, leaving (restroom) surfaces smelling clean and fresh.

Use where odors are a problem.

Cuts cleaning time.

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OPTIONAL CLAIMS - continued

[Is a disinfectant cleaner that] cleans, disinfects and deodorizes in one labor saving step.

Cross-contamination is of major housekeeping concern. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but in schools, institutions and industry.

This product kills, eliminates 99.9%, removes and destroys germs[‡], bacteria and viruses* on surfaces.

Contains hydrogen peroxide.

Daily defense against [[‡]germs] [[‡]pathogenic microorganisms].

Daily cleaning.

Designed for healthcare (non-critical hard nonporous surfaces).

Makes cleaning easier.

The smell of clean.

Evaporates completely.

Clear drying formula.

Leaves no visible residue.

Will not leave grit or soap scum.

This product cleans, disinfects and deodorizes hard, non-porous (hospital) (medical) surfaces in one step (with no rinsing required) when used according to disinfection directions.

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OPTIONAL CLAIMS - continued

This product cleans, disinfects and deodorizes hard, non-porous (hospital) (medical) surfaces in one step (with no rinsing required) when used according to disinfection directions for the following use site: ambulances or [emergency medical] transport vehicles, ambulatory care centers, ambulatory surgical centers (ASC), anesthesia rooms or areas, anesthesia machines, apheresis machines, [assisted living or full care] nursing homes, autoclaves, bathroom doorknobs, bedpans, bed rails, [bedside] commodes, bedside tables, blood pressure cuffs, blood pressure (BP) monitors, cabinet handles, call boxes, (CAT or Computerized Axial Tomography equipment, CAT Laboratories, carts, cellular phones, central service areas, central supply rooms [areas], chairs, charging stations, closet handles, coated mattresses, coated pillows, computer mouse, computer peripherals, computer tables, cords, counters, [crash] [emergency] carts, Critical Care Units [CCUs], desktops, diagnostic equipment, dialysis clinics [facilities], dialysis machines, docking stations, doctor's offices, donation centers [blood] [plasma] [semen] [milk] [apheresis], examination rooms or areas, emergency rooms [ERs], surfaces, [exam or examination] tables, exterior surfaces of air vents or air vent exteriors, external surfaces of [medical] equipment or [medical] equipment surfaces, external surfaces of ultrasound transducers [and/or probes], exterior of pipes, eye surgical centers, footboards, gurneys, handheld [electronic] devices, [hard, non-porous] edges of privacy curtains, hard, non-porous hospital or medical surfaces headboards, healthcare settings or facilities, high touch surfaces, home health care [settings], [hospital] headboards, external surfaces of ultrasound transducers [and/or probes], hospices, hospitals [hospital or patient] bed[s] [springs] [railings] [frames] [linings] [inner] [inside of] drawers, isolettes, IV [stands] [pumps] poles], Intensive Care Units or ICU[s] [areas], isolation areas, keyboards, laboratories, laptops, laundry rooms, long term care facilities, loupes, mammography equipment, [Mayo] [instrument] stands, medication carts, [medical] clinics, medical facilities, [medical] [physician's] [doctor's] offices, mobile devices, mobile electronic equipment, mobile workstations, mouse pads, MRI or Magnetic Resonance Imaging equipment, nonporous hospital mattresses, nurse-call [devices] [buttons] [and cords], nursing homes, nursing or nurses' stations, operating room tables and lights, operatory light switches, overbed tables, operating rooms, ophthalmic offices, Out-Patient [Surgical Centers (OPSC)] [Clinics] [Facilities], pagers, patent chairs, patient monitoring equipment, patient support and delivery equipment, phlebotomy trays, pharmacies, phone cradle, physical therapy rooms, patient areas, physicians' offices, physical therapy (PT) equipment, plastic mattress covers, psychiatric facilities, power cords, public [care] areas, pulse oximeters, PVC tubing, radiology or X-Ray rooms or areas, reception [counter] [desks] [areas], recovery rooms, rehabilitation centers, remote controls, respirators, respiratory therapy equipment, respiratory centers, respiratory therapy rooms or areas, restrooms, scales, sequential compression devices, shower fixtures, side rails, slit lamps, spine backboards, stethoscopes, stools, stretchers, support bars, [Surgery Rooms] [Operating Rooms] [ORs], tablet PCs, toilet handholds, traction devices, waiting rooms or waiting areas, walls [around toilet] [in patient rooms], wash basins, wheelchairs, x-ray equipment paddles

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OPTIONAL CLAIMS – continued

Its non-abrasive formula is designed for use on (Use daily on) (the following) hard, non-porous surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, non-food contact countertops, telephones, fixtures, glazed tile, toilets, urinals, sinks found in (health care facilities [hospitals],) patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. (It can also be used to pre-clean and disinfect hospital items: wheelchairs, [hospital] [patient] bed rails and linings, wash basins, bed pans, medical equipment surfaces) - any washable non-food contact surface (where disinfection is required).

Removes and/or cleans Bathtub ring, Blood, Body oils, Dirt, Fecal matter, Grime, Laboratory stains, Common soils and/or stains, Organic matter, Urine.

Hydrogen Peroxide Disinfectant Cleaner

Cleans.

Cleans everyday messes.

Cleans to a shine.

Cleans [floors] [glass] [carpets] [countertops] [bathrooms] [kitchens] [hard, non-porous surfaces]

Fast strong cleaning.

Fragrance free.

No added (perfumes) (fragrances) (and) (or) (dyes).

Good for use with microfiber cloths.

May be used to clean and disinfect finished floors.

Cleans and disinfects without dulling gloss.

May be used to clean and disinfect floor areas, sinks, faucets, bathrooms and tubs.

Do not use on marble or un-sealed/un-coated terrazzo floors.

Multi surface cleaner disinfectant for hard, non-porous surfaces.

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OPTIONAL CLAIMS - continued

Non-abrasive.

For non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.

Is a complete, chemically balanced disinfectant that provides clear use solutions even in the presence of hard water.

This cleaner does not contain (chlorine) bleach

Non (chlorine) bleach cleaner.

Will not (stain) (discolor) (bleach) uniforms or fabrics Color safe.

This product does not damage furnishings, equipment or clothing.

Tough on germs[‡], easy on surfaces.

Economical concentrate.

Is effective yet economical.

Is an economical concentrate (that can be diluted for use) (with a mop and bucket, cloth, microfiber cloth, sponge, coarse spray device or by soaking).

Concentrate. (Concentrated), Disinfects (Disinfectant) Cleans (Cleaner).

Designed for daily use on common materials found in hospitals. Degradable active ingredients.

This product will deodorize surfaces and other places bacteria growth can cause malodors.

This product deodorizes areas that are hard to keep fresh smelling.

Counteracts (common) hospital malodors.

OPTIONAL CLAIMS - continued

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Will disinfect, clean and deodorize surfaces in rest rooms and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

Deodorizes by killing microorganisms that causes offensive odors.

Kills odor causing bacteria.

No harsh alcohol smell cleaner.

This product will deodorize hard, nonporous surfaces (where (obnoxious) (nasty) disagreeable) odors may develop).

(Animal Housing Facilities:) This product cleans by removing dirt, grime, (mold & mildew (odors) stains), blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It (also) reduces odor-causing bacteria leaving surfaces smelling clean and fresh.

This product cleans, disinfects and deodorizes hard, non-porous surfaces in one step when used according to disinfection directions. Its non-abrasive formula is designed for use on (Use daily on) (Use daily to clean and disinfect) hard, non-porous surfaces: plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, sealed concrete, laminated surfaces (associated with floors, walls, non-food contact countertops, cages, kennels, animal equipment) found in (barns, pens and stalls) animal housing facilities.

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OPTIONAL CLAIMS - continued

When used as directed, this product is effective against a wide variety (broad-spectrum) of † pathogenic microorganisms (including bacteria, **antibiotic-resistant bacteria, and *viruses) At a 1:64 dilution (2 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load and 10 minute contact time, unless otherwise noted, this product kills the following on hard, non-porous inanimate surfaces:

† The words “pathogens”, “Pathogenic microorganism” and “germicidal” will be qualified with the following bacteria and viruses when used on the label.

Bacteria (Bactericidal Activity):

Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)
Salmonella enterica (formerly known as *Salmonella choleraesuis*) (ATCC 10708)
Escherichia coli (0157:H7) (ATCC 35150)
Listeria monocytogenes (ATCC 19117)****
Staphylococcus aureus, Methicillin resistant (MRSA) (ATCC 33592)
Staphylococcus aureus (CA-MRSA) USA300 (NRS 384)
Staphylococcus aureus (CA-MRSA) USA400 (NRS 123)
Staphylococcus epidermidis, Methicillin-resistant (MRSE) (ATCC 51625)
Streptococcus pneumoniae (ATCC 6305)
Streptococcus pneumoniae, Penicillin-resistant (PRSP) (ATCC 700677)

**Antibiotic-Resistant (Strains of) Bacteria (Antibiotic-Resistant Bactericidal Activity):

***Staphylococcus aureus, Methicillin resistant (MRSA)* (ATCC 33592)
***Staphylococcus aureus, Community Associated Methicillin-resistant (CA-MRSA), (Genotype USA300)* (NRS 384)
***Staphylococcus aureus, Community Associated Methicillin-resistant (CA-MRSA), (Genotype USA400)* (NRS 123)
***Staphylococcus epidermidis, Methicillin-resistant (MRSE)* (ATCC 51625)
***Streptococcus pneumoniae, Penicillin-resistant (PRSP)* (ATCC 700677)
****Enterococcus faecalis*(Vancomycin Resistant (VRE)) (ATCC 51575)

***Indicates that a dilution of (4 oz.) or (8 oz.) per gallon of water is required for this claim.

****Indicates that a dilution of (2.5 oz.) or (2.5-4 oz.) per gallon of water is required for this claim.

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***Virus (Virucidal Activity):**

- *Adenovirus type 8 (5 minute contact time) (ATCC VR-1368)
- *Hepatitis B Virus (HBV) (Duck Hepatitis B Virus as the surrogate)(5 minute contact time on pre-cleaned surfaces)
- *Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus as the surrogate) (5 minute contact time)
- *Herpes Simplex Virus Type 1 (ATCC VR-733) (5 minute contact time)
- *Herpes Simplex Virus Type 2 (ATCC VR-734) (5 minute contact time)
- Kills *HIV-1 (Human Immunodeficiency Virus Type 1) (AIDS virus) (1 minute contact time)
- *Influenza Virus Type A (H1N1) (ATCC VR-1469) (1 minute contact time)
- *Norovirus (Feline Calicivirus as the surrogate) (5 minute contact time)
- *Rhinovirus Type 37 (ATCC VR-1147) (5 minute contact time)
- *Rotavirus (ATCC VR-2018)(5 minute contact time)
- †*Avian Influenza A (H7N9) virus (1 minute contact time)

Animal Premise Virucidal* Performance: This product kills the following viruses in 10 minutes at 1:16 (8 oz. per gal. of water) and 5% soil on hard, non-porous surfaces:

- *Canine Parvovirus (CPV) (ATCC VR-2017)
- *Murine Norovirus (MNV-1)
- †*Avian Influenza A (H7N9) virus
- †*Indicates that a dilution of (2) or (4) oz. per gallon of water at one minute contact time is required for this claim.*
- (Effective against *Murine Norovirus (MNV-1) at a dilution of 4 oz. per gallon of water.)*

H1N1 Information: (Note to reviewer: We will choose one or more of these statements depending on available space on the product label.)

- *Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. (This product) is a broad-spectrum hard surface disinfectant that has been shown to be effective against *Influenza Type A (H1N1), 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 (in 60 seconds) (in 1 minute) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- *This product has demonstrated effectiveness against Influenza Type A (H1N1), and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu) (in 60 seconds) (in 1 minute).
- *Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu) (in 60 seconds) (in 1 minute).
- *Kills Pandemic 2009 H1N1 Influenza A virus (in 60 seconds) (in 1 minute).

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(Modes of Application:)

This product can be applied by mop, sponge, cloth, paper towel, (coarse trigger) sprayer, or auto-scrubber. Change cloth, sponges or towels frequently to avoid redeposition of soil.

Fungicidal Performance: This product kills the following fungi in 10 minutes at 1:16 (8 oz. per gallon of water), (in the presence of 200 ppm hard water, 5% serum load,) on hard, non-porous surfaces: *Trichophyton interdigitale* (Athlete's foot fungus).

Sanitizing: When used as a non-food contact sanitizer at a 1:16 dilution (8 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load, this product reduces the following bacteria by 99.9% with a 1 minute contact time on hard non-porous inanimate surfaces:

Staphylococcus aureus

Enterobacter aerogenes

Sanitizing: When used as a non-food contact sanitizer at a 1:128 dilution (1 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load, this product reduces the following bacteria by 99.9% with a 5 minute contact time on hard non-porous inanimate surfaces:

Enterobacter aerogenes

Salmonella enterica

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Emerging Viral Pathogen Claims

This product qualifies for emerging viral pathogen claims per the EPA’s “Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens not on EPA-Registered Disinfectant Labels” when used in accordance with the appropriate use directions indicated below.

Product name (this product) meets the criteria to make claims against emerging pathogen claims from the following viral categories:

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

<i>For an emerging viral pathogen that is a/an...</i>	<i>...follow the directions for use for the following organisms on the label</i>
Enveloped virus	Norovirus (Feline Calicivirus as the surrogate) Rhinovirus Type 37 Rotavirus
Large, non-enveloped virus	Norovirus (Feline Calicivirus as the surrogate) Rhinovirus Type 37
Small, non-enveloped virus	Norovirus (Feline Calicivirus as the surrogate) Rhinovirus Type 37

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

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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.

Reviewer note: Bullets may be written in paragraph form

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 blood stream 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.

Not recommended for use on copper, brass, granite, marble or zinc.

To Prepare Use Solution:

Add the product at 2 oz. of product per gallon of water (1:64).

§For Use as a (Daily) (One-Step) Cleaner/Disinfectant:

- Dilute at 2 oz. of product per gallon of water (1:64)
- Pre-clean visibly soiled surfaces.
- Apply Use Solution by (hand pump)(coarse trigger) sprayer to hard, non-porous surfaces. Spray 6 - 8 inches from surface, making sure to wet surfaces thoroughly.
- All surfaces must remain visibly wet for ten (10) minutes.
- Wipe surfaces (or let air dry).

Use (4 oz.) or (8 oz.) per gallon of water to kill *Enterococcus faecalis* (Vancomycin Resistant (VRE)). ***(To be used if VRE is used as a kill claim.)***

Use (2.5 oz) or (2.5-4) per gallon of water to kill *Listeria monocytogenes* (ATCC19117) ***(To be used if Listeria monocytogenes is used as a kill claim.)***

NOTE: Rinsing is not necessary unless floors are to be coated with finish or restorer. When cleaning floors position "wet floor" signs around area to be cleaned. Floors will be slippery when wet or contaminated with foreign materials. Do not use on glassware, utensils, or dishes.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
Bold, Italicized text is information for the reviewer and is not part of the label.)

The following directions are considered optional language and will only appear as supplemental language when the directions above appear on the label.

[For Use as One-Step Cleaner/Disinfectant:



1. Wear chemical splash-proof goggles or face shield.



2. Dilute at 2 oz. of product per gallon of water (1:64).



3. Spray surface until thoroughly wet.



4. Allow surface to remain visibly wet. Read label for contact times.



5. Wipe surface or let air dry.

Read label for entire directions for use.]

For Use as (Daily) Bathroom (Restroom) (One-Step) Cleaner/Disinfectant:

- Dilute at 2 oz. of product per gallon of water (1:64)
- Pre-clean visibly soiled surfaces.
- Apply Use Solution by (hand pump) (coarse trigger) sprayer to hard, non-porous surfaces. Spray 6 - 8 inches from surface, making sure to wet surfaces thoroughly.
- All surfaces must remain visibly wet for ten (10) minutes.
- Wipe surfaces (or let air dry).

Use (4 oz.) or (8 oz.) per gallon of water to kill *Enterococcus faecalis*

(Vancomycin Resistant (VRE). ***(To be used if VRE is used as a kill claim.)***)

Use (2.5 oz.) or (2.5-4) per gallon of water to kill *Listeria monocytogenes*

(ATCC19117) ***(To be used if Listeria monocytogenes is used as a kill claim.)***

NOTE: Rinsing is not necessary unless floors are to be coated with finish or restorer. When cleaning floors position "wet floor" signs around area to be cleaned. Floors will be slippery when wet or contaminated with foreign materials.

For Use To Clean and Disinfect Shower Rooms, Locker Rooms and Other Large, Open Areas with Floor Drains:

- Dilute at 2 oz. of product per gallon of water (1:64)
- Pre-clean visibly soiled surfaces.
- Apply Use Solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain visibly wet for ten (10) minutes.
- Scrub using a deck brush.
- Rinse surfaces thoroughly and let air dry.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
Bold, Italicized text is information for the reviewer and is not part of the label.)

Use (4 oz.) or (8 oz.) per gallon of water to kill *Enterococcus faecalis* (Vancomycin Resistant (VRE)). ***(To be used if VRE is used as a kill claim.)***

Use (2.5 oz) or (2.5-4) per gallon of water to kill *Listeria monocytogenes* (ATCC19117) ***(To be used if Listeria monocytogenes is used as a kill claim.)***

NOTE: When cleaning floors position “wet floor” signs around area to be cleaned. Floors will be slippery when wet or contaminated with foreign materials.

For use as a *Virucide:

- Dilute at 2 oz. of product per gallon of water (1:64):
- Pre-clean visibly soiled surfaces.
- Apply Use Solution until thoroughly wet.
- Let stand for five (5) minutes.
- Wipe surfaces (or let air dry).

(Use 2 oz. or 4 oz. of product per gallon of water to kill Avian Influenza A (H7N9) virus

This product kills HIV-1 (associated with AIDS), HBV and HCV on pre-cleaned surfaces/object previously soiled with blood and body fluids.

On pre-cleaned 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 Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV), or Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HBV, HCV and HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY

FLUIDS. Personal Protection: Disposable latex or vinyl gloves, gowns, face masks, and eye coverings, must be worn during all cleaning of body fluids, blood, and decontamination procedures. **Cleaning Procedures:** Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

Contact Time: Allow surface to remain visibly wet for 1 minute to kill HIV-1, 5 minutes to kill HBV & HCV. **Disposal of Infectious Material:** Blood and other body fluids must be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

To Kill Fungi:

- Pre-clean visibly soiled areas.
- Prepare use solution by adding 8 oz. of this product per gallon of water (1:16).
- Apply use solution to hard, non-porous surfaces.
- Allow surface to remain visibly wet for 10 minutes. Wipe surfaces {(or let air dry)}.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
Bold, Italicized text is information for the reviewer and is not part of the label.)

To control Mold and Mildew odors: *[Not available in CA]*

- Dilute at 1-2 oz. of product per gallon of water (1:128-1:64).
- Pre-clean visibly soiled surfaces.
- Apply Use Solution to hard, non-porous surfaces.
- Allow surfaces to remain visibly wet for ten (10) minutes.
- Wipe surfaces (or let air dry).
- Repeat application as necessary.

Toilet Bowl and Urinal Disinfectant (Cleaning) Directions

Remove visible soil prior to disinfection

From a Concentrate: Add 2 oz. of this product directly into the water in the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a toilet [brush][mop], cloth or sponge. Allow solution to stand for ten (10) minutes

From a Use Solution: Empty water out of toilet bowl urinal and apply a use solution prepared by adding 2 oz. of this product per gal of water (or equivalent use dilution) to exposed surfaces, including under the rim with a toilet [brush] [mop], cloth or sponge, [(hand pump) (coarse) (trigger spray device)]. For spray application, spray 6-8 inches from surface. Do not breathe spray.] Brush or swab thoroughly, then allow solution to stand for 10 minutes and flush.

Use (4 oz.) or (8 oz.) per gallon of water to kill *Enterococcus faecalis*

(Vancomycin Resistant (VRE). ***(To be used if VRE is used as a kill claim.)***)

Use (2.5 oz) or (2.5-4) per gallon of water to kill *Listeria monocytogenes*

(ATCC19117) ***(To be used if Listeria monocytogenes is used as a kill claim.)***

For Use as a Cleaner/Disinfectant in Food Processing Plants:

- Dilute at 2 oz. of product per gallon of water (1:64)
- Before using this product in food processing areas, food products and packaging materials must be removed from the room or carefully protected.
- Apply Use Solution evenly over surface. Be sure to wet all surfaces thoroughly.
- Allow product to remain visibly wet on surface for ten (10) minutes.
- Wipe with clean cloth, sponge or paper towel.
- For visibly soiled areas, thoroughly clean surface prior to disinfecting.
- When disinfecting food contact surfaces used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glassware, and dishes.

Use (4 oz.) or (8 oz.) per gallon of water to kill *Enterococcus faecalis*

(Vancomycin Resistant (VRE). ***(To be used if VRE is used as a kill claim.)***)

Use (2.5 oz) or (2.5-4) per gallon of water to kill *Listeria monocytogenes*

(ATCC19117) ***(To be used if Listeria monocytogenes is used as a kill claim.)***

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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For Use To Clean and Disinfect Barber and Beauty/Manicure Instruments and Tools:

- Dilute at 2 oz. of product per gallon of water (1:64)
- Pre-clean visibly soiled items.
- Completely immerse pre-cleaned combs, brushes, scissors, clipper blades, razors, manicure implements and other non-porous instruments in the Use Solution so that surfaces remain visibly wet for ten (10) minutes.
- Rinse surfaces thoroughly and let air dry before reuse.
- Change solution daily or when visibly dirty.

Use (4 oz.) or (8 oz.) per gallon of water to kill *Enterococcus faecalis* (Vancomycin Resistant (VRE)). ***(To be used if VRE is used as a kill claim.)***

Use (2.5 oz) or (2.5-4) per gallon of water to kill *Listeria monocytogenes* (ATCC19117) ***(To be used if Listeria monocytogenes is used as a kill claim.)***

NOTE: Remove instruments after ten (10) minutes. Then rinse, dry and keep in a clean, non-contaminated receptacle until use. Prolonged soaking may cause damage to instruments.

For Treatment of Animal Housing Facilities (including Poultry barns):

- Dilute at 2 oz. of product per gallon of water (1:64). †
- Remove all animals and feeds from areas being treated.
- Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities occupied or traversed by animals.
- Empty or cover all troughs, racks and other feeding and watering appliances.
- Thoroughly clean all surfaces with soap or detergent and rinse with water.
- Apply fresh Use Solution to floors, walls, cages and other washable hard, non-porous surfaces. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. To disinfect, all surfaces must remain visibly wet for ten (10) minutes.
- Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
- Ventilate buildings and other closed spaces. Do not house animals or re-employ equipment until product has dried.
- For disinfection of feed racks, troughs, automatic feeders, fountains and watering appliances scrub with use-solution, let stand ten (10) minutes. Then thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.

†Prepare a Use Solution of 8 oz. of product per gallon of water for effectiveness against ***(designated animal viruses on the label)*** (1:16).

†Prepare a Use Solution of 4 oz. of product per gallon of water for effectiveness against ***(designated animal viruses on the label)*** (1:32).

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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To Sanitize Non-Food Contact Surfaces:

- Dilute at 8 oz. of product per gallon of water (1:16).
- Pre-clean visibly soiled hard non-porous surfaces.
- Apply Use Solution until thoroughly wet.
- Let stand for one (1) minute.
- Wipe surfaces (or let air dry).
- Not for use on food contact surfaces or on food preparation areas.

NOTE: Do not use on glassware, utensils, or dishes.

To Sanitize Non-Food Contact Surfaces:

- Dilute at 1 oz. of product per gallon of water (1:128).
- Apply Use Solution until thoroughly wet.
- Let stand for five (5) minutes.
- Wipe surfaces (or let air dry).
- Not for use on food contact surfaces or on food preparation areas.

NOTE: Do not use on glassware, utensils, or dishes.

For Use as a Cleaner/Degreaser:

- Dilute product at 0.5 - 1 oz. of product per gallon of water (1:256-1:128).
- Apply to hard, non-porous surfaces.
- Wipe surfaces (or let air dry).

For Use as a Deodorizer:

- Dilute product at 0.5- 1 oz. of product per gallon of water (1:256-1:128).
- Apply to hard, non-porous surfaces.
- Let stand for ten (10) minutes.
- Wipe surfaces or let air dry.

For Use as a Carpet Cleaner (Spotter):

- Use full strength.
- Apply a small amount to stain.
- Agitate with bone scraper and let stand for 3-5 minutes.
- Blot dry and rinse with clean water.
- Repeat as needed until the stain is completely removed.

Always test first in an inconspicuous area. To test: Apply a small amount, press with an absorbent white cloth for 10 seconds and see if there is any dye transfer.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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For Use in Carpet Cleaning (Pre-Spray):

- Dilute product at 2 oz. of product per gallon of water (1:64).
- Apply evenly to carpet surfaces through a coarse hand pump or trigger spray device. Do not breathe spray.
- Let stand for 5-10 minutes.
- Extract carpeting per manufacturer's instructions.
- Allow to dry thoroughly before resuming foot traffic.

Always test first in an inconspicuous area. To test: Apply a small amount, press with an absorbent white cloth for 10 seconds and see if there is any dye transfer.

For Use as a Glass Cleaner:

- Dilute product at 1 oz. of product per gallon of water (1:128).
- Apply evenly to glass surfaces through a coarse trigger spray device. Do not breathe spray.
- Wipe dry with an absorbent cloth or towel.

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DIRECTIONS FOR ALTERNATE CONTAINERS DELIVERY SYSTEMS

AUTOMATED DILUTION SYSTEM (DILUTION SYSTEMS TRADE NAME)

INSTRUCTIONS: Remove cap/spray nozzle from empty container. Fill empty container with a newly prepared use-solution. Replace cap/spray nozzle. Place correct use-dilution label on newly filled container.

BAG-IN BOX CONTAINERS

How to use this package: This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on the box.

TRIGGER SPRAYERS: Fill bottle from dispenser. Apply to surfaces according to directions above.

MOP BUCKETS: Fill bucket from dispenser. Set up "Wet Floor" signs. Mop floor surfaces as specified in directions above.

PACKETS (For pre-measured tear open packets)

(Simply) (Tear) open and pour contents into (X) gallon(s) of water. Keep packets in box until ready to use.

OR

Pour contents of (X oz) packet into (X) gallon(s) of water. Keep packets in box until ready to use.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear chemical splash-proof goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF SWALLOWED:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IN CASE OF EMERGENCY, CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE. (Call 1-XXX-XXX-XXXX) Have the product container or label with you when calling a Poison Control Center or doctor or going in for treatment.

Note to Physician: Probable mucosal damage may contraindicate gastric lavage.

The following language will only appear on containers of 5 gallons or more

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 agency 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Do not reuse empty container

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

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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CONTAINER DISPOSAL –

One or more of the following paragraphs for Container Disposal will be selected, depending on packaging type:

Non-refillable sealed container is designed to reduce worker exposure to the concentrate. This container cannot be triple rinsed because it is a closed container. The following text will be used on this container.

CONTAINER DISPOSAL: Non-refillable sealed container. Do not reuse or refill this container. Offer for recycling or wrap empty container and put in trash.

For containers 5 gallons or less.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticide rinsate. Triple rinse as follows: Fill container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

For containers greater than 5 gallons

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat procedure two more times. Then offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

For 2.5 gallon bladder in box

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Remove empty bladder from outer corrugated box. Triple rinse as follows: Fill container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer box and bladder for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
Bold, Italicized text is information for the reviewer and is not part of the label.)

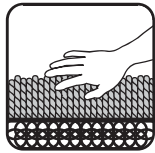
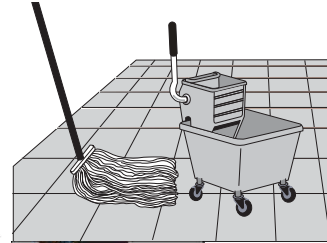
For 275 gallon, 300 gallon or 330 gallon tote

CONTAINER DISPOSAL: Refillable container. Refill this container with (this product) only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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(Note to Reviewer: These are representative icons for use sites/application methods that may appear on the label with the appropriate directions for use or package type.)

- Rug icon
- Disinfectant icon
- Floor/mopping icon
- Glass icon
- Bathroom icon
- Floor icon
- Safety glasses icon
- Recycle icon
- Clean wall icon
- Child drowning warning icon



CLEAN

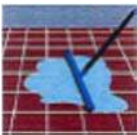
WARNING
AVISO

Children can fall into bucket and drown. Keep children away from bucket with even a small amount of liquid.

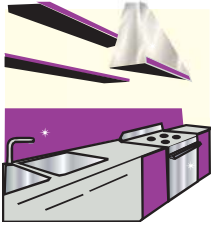
Los niños pueden caerse en el balde y ahogarse. Mantenga los niños alejados de baldes, incluso los que sólo contienen una pequeña cantidad de líquido.



LIMPIO



(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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FLOORS



HARD SURFACES



GLASS



BATHROOMS



X oz TO X GAL. WATER



DISINFECTS



KITCHENS

Note to reviewer: Sealed containers are designed to reduce worker exposure to the concentrate. It is an industry standard to number each product in a dilution control system to further prevent misidentification. For labels using numbering for a sealed, dilution control system, the below represents any number from 1-9999.



(Represents Alternate Dilution Control System logos)

This product may be patented.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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HP202

REFERENCE SHEET

When used as directed, (this product) is highly effective against wide variety (broad-spectrum) of †pathogenic microorganisms (including bacteria, **antibiotic-resistant bacteria, and *viruses). At a 1:64 dilution (2 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load and 10 minute contact time, this product kills the following on hard, non-porous inanimate surfaces:

The words “pathogens”, “Pathogenic microorganism” and “germicidal” will be qualified with the following bacteria and viruses when used on the label.

Bacteria (Bactericidal Activity):

Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)
Salmonella enterica (formerly known as *Salmonella choleraesuis*) (ATCC 10708)
Escherichia coli (0157:H7) (ATCC 35150)
Listeria monocytogenes (ATCC 19117)****
Staphylococcus aureus, Methicillin resistant (MRSA) (ATCC 33592)
Staphylococcus aureus (CA-MRSA) USA300 (NRS 384)
Staphylococcus aureus (CA-MRSA) USA400 (NRS 123)
Staphylococcus epidermidis, Methicillin-resistant (MRSE) (ATCC 51625)
Streptococcus pneumoniae (ATCC 6305)
Streptococcus pneumoniae, Penicillin-resistant (PRSP) (ATCC 700677)

**Antibiotic-Resistant (Strains of) Bacteria (Antibiotic-Resistant Bactericidal Activity):

***Staphylococcus aureus, Methicillin resistant (MRSA)* (ATCC 33592)
***Staphylococcus aureus, Community Associated Methicillin-resistant (CA-MRSA), (Genotype USA300)* (NRS 384)
***Staphylococcus aureus, Community Associated Methicillin-resistant (CA-MRSA), (Genotype USA400)* (NRS 123)
***Staphylococcus epidermidis, Methicillin-resistant (MRSE)* (ATCC 51625)
***Streptococcus pneumoniae, Penicillin-resistant (PRSP)* (ATCC 700677)

****Enterococcus faecalis* (Vancomycin Resistant (VRE)) (ATCC 51575)

***Indicates that a dilution of (4 oz.) or (8 oz.). per gallon of water is required for this claim.

****Indicates that a dilution at (2.5 oz.) or (2.5-4 oz.) per gallon of water is required for this claim.

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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***Virus (Virucidal Activity):**

- *Adenovirus type 8 (5 minute contact time) (ATCC VR-1368)
- *Hepatitis B Virus (HBV) (Duck Hepatitis B Virus as the surrogate)(5 minute contact time on pre-cleaned surfaces)
- *Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus as the surrogate) (5 minute contact time)
- *Herpes Simplex Virus Type 1 (ATCC VR-733) (5 minute contact time)
- *Herpes Simplex Virus Type 2 (ATCC VR-734) (5 minute contact time)
- Kills *HIV-1 (Human Immunodeficiency Virus Type 1) (AIDS virus) (1 minute contact time)
- *Influenza Virus Type A (H1N1) (ATCC VR-1469) (1 minute contact time)
- *Norovirus (Feline Calicivirus as the surrogate) (5 minute contact time)
- *Rhinovirus Type 37 (ATCC VR-1147) (5 minute contact time)
- *Rotavirus (ATCC VR-2018)(5 minute contact time)
- †*Avian Influenza A (H7N9) virus (1 minute contact time)

Animal Premise Virucidal* Performance: This product kills the following viruses in 10 minutes at 1:16 (8 oz. per gal. of water) and 5% soil on hard, non-porous surfaces:

- *Canine Parvovirus (CPV) (ATCC VR-2017)
- *Murine Norovirus (MNV-1)
- †*Avian Influenza A (H7N9) virus
- †*Indicates that a dilution of (2) or (4) oz. per gallon of water at one minute contact time is required for this claim.*
- (Effective against *Murine Norovirus (MNV-1) at a dilution of 4 oz. per gallon of water.)*

H1N1 Information: (Note to reviewer: We will choose one or more of these statements depending on available space on the product label.)

- *Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. (This product) is a broad-spectrum hard surface disinfectant that has been shown to be effective against *Influenza Type A (H1N1), 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 (in 60 seconds) (in 1 minute) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- *This product has demonstrated effectiveness against Influenza Type A (H1N1), and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu) (in 60 seconds) (in 1 minute).
- *Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu) (in 60 seconds) (in 1 minute).
- *Kills Pandemic 2009 H1N1 Influenza A virus (in 60 seconds) (in 1 minute).

(Note to reviewer: Text appearing in parenthesis is done to show optional text.
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(Modes of Application:)

This product can be applied by mop, sponge, cloth, paper towel, (coarse trigger) sprayer, or auto-scrubber. Change cloth, sponges or towels frequently to avoid redeposition of soil.

Fungicidal Performance: This product kills the following fungi in 10 minutes at 1:16 (8 oz. per gallon of water), (in the presence of 200 ppm hard water, 5% serum load,) on hard, non-porous surfaces: *Trichophyton interdigitale* (Athlete's foot fungus).

Sanitizing: When used as a non-food contact sanitizer at a 1:16 dilution (8 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load, this product reduces the following bacteria by 99.9% with a 1 minute contact time on hard non-porous inanimate surfaces:

Staphylococcus aureus

Enterobacter aerogenes

Sanitizing: When used as a non-food contact sanitizer at a 1:128 dilution (1 oz. of product per gallon of water), in the presence of 200 ppm hard water, 5% serum load, this product reduces the following bacteria by 99.9% with a 5 minute contact time on hard non-porous inanimate surfaces:

Enterobacter aerogenes

Salmonella enterica