

U.S. ENVIRONMENTAL PROTECTION AGENCY

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

Date of Issuance:

6/8/17

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

Term	of	Issuance
Con	di	tional

EPA Reg. Number:

Name of Pesticide Product:

Valhalla

Name and Address of Registrant (include ZIP Code):

David Swain Consultant for Byotrol, Inc. 3740 Boiling Springs Hwy, #119 Boiling Springs, SC 29316

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.

- A. 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/registration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:	Date:
E. Mideloff	6/8/17
Eric Miederhoff, Product Manager 31	
Regulatory Management Branch I	
Antimicrobials Division (7510P)	
Office of Pesticide Programs	

EPA Form 8570-6

- 2. You are required to comply with the data requirements described in the DCI identified below:
 - a. DDAC GDCI-069149-30869
 - b. ADBAC GDCI-069175-30909

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic GDCI listed above, 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. 83614-1."
- 4. Submit one copy of the final printed label for the record before you release the product for shipment.
- B. 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 of 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:
 - 1. CDC Current Outbreak List for "U.S. Based Outbreaks" (www.cdc.gov/outbreaks),
 - 2. CDC Current Outbreak list for "Outbreaks Affecting International

Travelers" with an "Alert" or "Advisory" classification (www.cdc.gov/oubtreaks) (also released through the CDC's Health Alert Network (HAN) notification process),
3. 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/Deaseinformation/WI)

- b. 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 large non-enveloped or enveloped.
- c. 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 B.3.a. of an outbreak of an emerging viral pathogen meeting all of the criteria of term B.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 B.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 B.1 through B.4 above shall become immediately void and ineffective if registration for use against *Feline Calicivirus* 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

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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.

The following alternate brand names have been added to the product record:

- SaniLast 24
- MicroGuard 24
- ByoGuard 24
- Byotrol
- Byotrol 24
- DetSan24
- ByoShield
- ByoShield 24
- Zap 24

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

• Basic CSF dated 12/16/2016

If you have any questions, please contact Tara Flint via email at flint.tara@epa.gov.

Enclosure

VALHALLA

[Residual Self Sanitizer][One Step Disinfectant][Non-Food Contact Sanitizer][Virucide†][Fungicide][Mildewstat][Cleaner][Deodorizer]

Alternate Brand Names: SaniLast 24, MicroGuard 24, ByoGuard 24, Byotrol, Byotrol 24, DetSan24, ByoShield, ByoShield 24, Zap 24

CAUTION

KEEP OUT OF REACH OF CHILDREN

Active Ingredient:

1-Decanaminium, N-decyl-N,N-dimethyl-, chloride	0.324%
Alkyl* dimethyl benzyl ammonium chloride *(67%C12, 25%C14, 7%C16,	1% C18)0.215%
Poly (hexamethylenebiguanide) hydrochloride	0.539%
Other ingredients	98.922%
Total:	100.000%

EPA Reg. No.: 83614-x

EPA Est. No.: XXXXX-XX-001

Manufactured [by] [for]: Byotrol, Inc. 3740 Boiling Springs Hwy # 119 Boiling Springs, SC 29316 1-866-469-5302

www.byotrol.com

Net contents: 8 FL OZ. (237 mL) 1 Pint, 16 FL. OZ. (473 mL) 1 Quart, 32 FL. OZ. (946 mL)

[See [Side][Back] Panel for Precautionary Statements and First Aid]

ACCEPTED

06/08/2017

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

83614-1

([bracketed text] and (text in parenthesis) is optional; italicized text is informational.)

BACK PANEL:

PRECAUTIONARY STATEMENTS: Hazardous to Humans and Domestic Animals

Caution. Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing or breathing spray mist. 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 swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person. If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. 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.

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.

Shake well before use

To Clean [and] [Deodorize]: Wet the surface with the spray and wipe clean.

To Sanitize Non-Food Contact Sanitizer: For hard, non-porous, non-food contact surfaces, spray [this product] [6-8 inches from] [on] surface until thoroughly wet. Let stand for 10 seconds. Wipe dry. [No rinsing required.] Remove heavy soil prior to sanitization.

For General Broad Spectrum Non-Food Contact [Bacterial] Disinfection: Spray [this product] [6-8 inches from] hard, non-porous surfaces until thoroughly wet. Let stand 2 minutes [for bacteria] [and 10 minutes for fungi]. Wipe dry. [No rinsing required.] Preclean if heavy soil is present. [To disinfect Rotavirus, let stand 2 mins.] [To disinfect Norovirus, let stand 5 mins.] To disinfect fungi, let stand for 10 minutes. See Table 4 for contact time for specific organisms.]

For Hospital Disinfection of Bacteria & Viruses†: Spray [this product] [6-8 inches from] hard, non-porous non-food contact surfaces until thoroughly wet. Let stand 5 minutes. Wipe dry. [No rinsing required.] Preclean if heavy soil is present. To disinfect fungi, let stand for 10 minutes.

Residual Self Sanitizing: To sanitize for 24 hours against [bacteria][including][Staphylococcus aureus and Enterobacter aerogenes] on hard, nonporous non-food contact surfaces. Spray [this product] [6-8 inches from] [on] hard, nonporous surfaces until thoroughly wet. Let stand for 5 minutes. Wipe dry. [No rinsing required.] Preclean if heavy soil is present.

Shoe Sanitizer Directions: To [reduce] [limit] tracking harmful organisms into animal areas, the packaging and storage areas of food plants, waterproof shoes should be sanitized prior to entering. Scrape waterproof shoes and spray [this product] [6-8 inches from] [on] shoes until thoroughly wet. Unused shoes will remain sanitized for 24 hours.

To Disinfect Toilets and Urinals: Empty toilet bowl or urinal. Hold container upright about 6-8 inches from surface. Spray to thoroughly wet hard, nonporous surfaces. Brush over exposed surfaces and under the rim. Preclean if heavy soil is present. Allow to stand for 5 minutes, then flush.

Hard Surface Mildewstat To [Inhibit] [Control] Mold and Mildew [:] Spray [this product] [6-8 inches from] [on] hard, nonporous surfaces until thoroughly wet and allow to air dry. Reapply weekly.

[Use of this product on a floor or flooring surface is not recommended and may cause slipping]

This product [name brand] [is compatible. with] [will not harm] [surfaces is selected from the following) acrylic, aluminum, brass, ceramic, glass, nickel, painted surfaces, polycarbonate, polypropylene, polyurethane varnish, PVC, silicone rubber, stainless steel, vinyl, vinyl rubber, glazed porcelain and similar hard, nonporous surfaces.(spray test before using]

DISINFECTION OF POULTRY EQUIPMENT, ANIMAL QUARTERS AND KENNELS - For disinfection of poultry equipment (brooders, watering founts, feeding equipment), animal quarters and kennels, Spray [this product] [6-8" from] hard, non-porous surfaces until thoroughly wet.. Remove all poultry, animals, and feed from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry or animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the surfaces with the disinfecting solution for a period of 5 minutes. Ventilate building, coops, and other closed spaces. Do not house poultry or animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

Poultry (And Swine) Premise: Remove all animals and feeds from premises, trucks, cars, coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Spray [this product] [6-8 inches from] hard, non-porous surfaces until thoroughly wet. Saturate surfaces with the disinfecting solution for a period of 5 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

Hatcheries: Spray [this product] [6-8 inches from] hard, non-porous surfaces until thoroughly wet. Treat the following hard non-porous surfaces: hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 5 minutes or more. Rinse with potable water before reuse. Then allow to air dry. Only for treatment of setters and hatchers after poultry/chicks/eggs have been removed. Not for treatment of hatchers which contain eggs. Remove heavy soil prior to treatment.

Vehicles: Clean all vehicles including mats, crates, cabs, and wheels with high pressure water. Spray [this product] [6-8 inches from] hard, non-porous surfaces until thoroughly wet to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 5 minutes or more. Remove heavy soil prior to treatment.

Shoe Disinfection Directions: Scrape and remove heavy soil from waterproof shoes prior to treatment and spray [this product] [6-8 inches from] shoe surface. Leave treated shoe surface thoroughly wet for 5 minutes.

Dressing Plant Use: Disinfect equipment, tools walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all gross soils. Spray [this product] [6-8 inches from] hard, non-porous surfaces until thoroughly wet. Scrub to loosen all soils. Allow to soak for 5 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water. Do not use to disinfect appliances, refrigerator interiors, and microwave oven interiors. Do not use on dishes, glasses and utensils.

Veterinary Practice/Animal Care Animal Laboratory/Zoos/Pet Shop/Kennels Disinfection

Directions: For cleaning and disinfecting the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Spray [this product] [6-8 inches from] hard, non-porous surfaces until

thoroughly wet for a period of 5 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

Farm Premise Use: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Spray [this product] [6-8 inches from] hard, non-porous surfaces until thoroughly wet for a period of 5 minutes. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

Commercial Florist Use Directions: To disinfect and deodorize hard non-porous surfaces in one step, spray [this product] [6-8 inches from] hard, non-porous surfaces until thoroughly wet for a period of 5 minutes.

Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. For heavily soiled areas, a preliminary cleaning is required. Allow to air dry.

{Residential Containers}

STORAGE AND DISPOSAL

Nonrefillable container. Store in original container in areas inaccessible to small children. Keep securely closed. Do not reuse or refill this container. Place [container] in trash or offer for recycling if available.

{Institutional Containers}

STORAGE AND DISPOSAL:

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

PESTICIDE STORAGE: Store in original container in areas inaccessible to children. Keep securely closed.

PESTICIDE DISPOSAL: To avoid waste, use all material in this container according to label directions. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse (or equivalent). Follow pesticide disposal instructions for rinsate. Then discard in trash or offer for recycling, if available.

Ouestions or Comments:

Phone Number: 1-866-469-5302

Website: www.byotrol.com

NOTE: Any claim may appear on either FRONT / BACK panel in bullet / paragraph format

Marketing Claims:

- 1. NEW (to be used only as a claim descriptor only for the first six months of product on shelf)
- 2. Gentle for surfaces such as metal, stainless steel, plastic
- 3. Safe for surfaces such as metal, stainless steel, plastic
- 4. Non Corrosive
- 5. Scientifically proven time release formula
- 6. Tough on dirt
- 7. Non Harsh formula
- 8. No bleach
- 9. Great for use on non-food contact surfaces in the kitchen, bathroom, floors and other household areas
- 10. Removes odors
- 11. Deodorizes
- 12. Will not harm most surfaces
- 13. For a cleaner, fresher household
- 14. Non-staining
- 15. Alcohol free (No alcohol)
- 16. Can be used on multiple surfaces such as (select from surface table)
- 17. (Will not harm)(will not damage) most surfaces (such as) (select from surfaces table) (you touch most)
- 18. No harsh chemical (smell)(odor)
- 19. No dulling residue
- 20. Bleach free (formula)
- 21. Long lasting fragrance
- 22. Colorless
- 23. Will not (damage)(discolor) most common (household) surfaces
- 24. Do not use on (unfinished)(uncoated) surfaces
- 25. Spot test all surfaces in an inconspicuous area
- 26. Leaves your (pick from surfaces table) shiny
- 27. Not harmful to most surfaces
- 28. No phosphates (phosphate free)
- 29. Surfaces sparkle/ shine after cleaning
- 30. With Byotrol technology
- 31. Smear/ streak free
- 32. Surfaces sparkle/ shine after cleaning
- 33. No need for gloves
- 34. (Patented)(Patent pending) formulation is durable enough to withstand continuous (contact)(touches), even on high contact areas like (doorknobs)(handles)(desks) and (faucets)
- 35. (will not) (harm)(damage) (safe for) most surfaces (such as) {select from surfaces table} (you touch most)

Fragrance Claims

- 1. (Fresh)
- 2. (Soap)
- 3. (Light)
- 4. (Lemon)
- 5. (Floral)

- 6. (Scented)
- 7. (Scent)
- 8. (Citrus)
- 9. (Fragrance)
- 10. (Marine)
- 11. (Long lasting fragrance)
- 12. (Unscented)

Cleaning Claims

- 1. Can be used on multiple surfaces such as {select from surface table}
- 2. Cuts through common (household)(grease)(dirt) and (grime)
- 3. For all your (heavy)(light) duty jobs
- 4. Removes dirt
- 5. Great for use in the kitchen, bathroom, floors and hard non-porous surfaces in other household areas
- 6. Great for use on hard non-porous surfaces in the kitchen, bathroom, floors and hard non-porous surfaces in other household areas
- 7. Hygienically clean

Stain Claims

1. Removes stains

Deodorizing Claims

- 1. Neutralizes odors
- 2. Neutralizes pet odors
- 3. Long lasting deodorizer

Healthcare Disinfectant Claims

- 1. Healthcare disinfectant
- 2. One-step disinfectant
- 3. Hospital disinfectant
- 4. Eliminates >99.9% bacteria
- 5. Kills >99.9% bacteria
- 6. Destroys >99.9% bacteria
- 7. Removes >99.9% bacteria
- 8. Gets rid of >99.9% bacteria
- 9. Antibacterial spray
- 10. Disinfectant
- 11. Disinfectant sanitizer
- 12. Bactericidal sprav
- 13. Bactericidal
- 14. Deodorizes
- 15. Disinfects in 5 minutes*

- 16. Kills Staphylococcus aureus and Pseudomonas aeruginosa
- 17. (Kills Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 18. Kills 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa

^{*} Trichophyton mentagrophytes in 10 minutes

- 19. (Kills 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 20. Eliminates Staphylococcus aureus and Pseudomonas aeruginosa
- 21. (Eliminates Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 22. Eliminates 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa
- 23. (Eliminates 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 24. Disinfects Staphylococcus aureus and Pseudomonas aeruginosa
- 25. (Disinfects Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 26. Disinfects 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa
- 27. (Disinfects 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 28. Reduces Staphylococcus aureus and Pseudomonas aeruginosa
- 29. (Reduces Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 30. Reduces 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa
- 31. (Reduces 99.9% of Staphylococcus aureus and Pseudomonas aeruginosa in 5 minutes)
- 32. Disinfects against Staphylococcus aureus and Pseudomonas aeruginosa
- 33. Disinfects household bacteria
- 34. Disinfects common bathroom bacteria
- 35. Kills household bacteria
- 36. Kills common household bacteria
- 37. Kills common household and bathroom bacteria
- 38. Kills household and bathroom bacteria
- 39. Kills common household germs
- 40. Disinfects hard, non-porous household surfaces
- 41. Kills common bathroom bacteria
- 42. Disinfects in a variety of areas
- 43. This product will clean and disinfect hard, non-porous surfaces of {select from surfaces}
- 44. [Cleaning made easy] [ideal for] [sanitizing] [cleans] [and] [disinfects] and [sanitizes][in one step] when the disinfection/sanitization directions for use are followed
- 45. [Cleaning made easy] [ideal for] [sanitizing] [disinfecting] all [your] hard, non-porous surfaces
- 46. [One step] [antibacterial] formula [that] [cleans] [and] [disinfects] and [sanitizes] [in one step]
- 47. A simple[r] solution for helping to maintain a cleaner [home] [area] [with less chance of cross-contamination across treated surfaces]
- 48. Eliminates [bacterial] [and] [fungal] [mold] [mildew] odors [at the source]
- 49. Kills [>99.9%] [odor causing] [bacteria] [germs] [and leaves a nice smell]
- 50. Peace of mind that you are [helping to eliminate][eliminating] germs

General Disinfectant Claims

- 1. General disinfectant
- 2. Broad spectrum
- 3. Broad spectrum disinfectant
- 4. Broad spectrum disinfecting
- 5. Broad spectrum cleaner
- 6. Broad spectrum disinfectant cleaner
- 7. Broad spectrum disinfecting cleaner
- 8. Kills Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes
- 9. (Kills Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes)
- 10. Kills 99.9% of Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes

- 11. (Kills 99.9% of Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes)
- 12. Eliminates Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes
- 13. (Eliminates Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes)
- 14. Eliminates 99.9% of Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli 0157:H7 and Streptococcus pyogenes
- 15. (Eliminates 99.9% Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes)
- 16. Disinfects Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes
- 17. (Disinfects Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes)
- 18. Disinfects 99.9% of Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes
- 19. (Disinfects 99.9% of Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes)
- 20. Reduces Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes
- 21. Reduces Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes
- 22. Reduces 99.9% of Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes
- 23. (Reduces 99.9% of Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes)
- 24. Reduces Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes in 2 minutes
- 25. Disinfects against Salmonella enterica, Staphylococcus aureus, Listeria monocytogenes, Escherichia coli O157:H7 and Streptococcus pyogenes
- 26. Disinfectant
- 27. Disinfectant sanitizer
- 28. Bactericidal spray
- 29. Bactericidal
- 30. Deodorizes
- 31. Kills >99.9% bacteria
- 32. Destroys >99.9% bacteria
- 33. Removes >99.9% bacteria
- 34. Gets rid of >99.9% bacteria
- 35. Antibacterial spray
- 36. Disinfects household bacteria
- 37. Disinfects common bathroom bacteria
- 38. Kills household bacteria
- 39. Kills common household bacteria
- 40. Kills common household and bathroom bacteria
- 41. Kills household and bathroom bacteria
- 42. Kills common household germs
- 43. Disinfects household surfaces
- 44. Kills common bathroom bacteria
- 45. Disinfects in a variety of areas

- 46. This product will clean and disinfect hard, non-porous surfaces of {select from surfaces}
- 47. [Cleaning made easy] [ideal for] [sanitizing] [cleans] [and] [disinfects] and [sanitizes][in one step] when the disinfection/sanitization directions for use are followed
- 48. [Cleaning made easy] [ideal for] [sanitizing] [disinfecting] all [your] hard, non-porous surfaces
- 49. [One step] [antibacterial] formula [that] [cleans] [and] [disinfects] and [sanitizes] [in one step]
- 50. A simple[r] solution for helping to maintain a cleaner [home] [area] [with less chance of cross-contamination across treated surfaces]
- 51. Eliminates [bacterial] [and] [fungal] [mold] [mildew] odors [at the source]
- 52. Kills [>99.9%] [odor causing] [bacteria] [germs] [and leaves a nice smell]
- 53. Peace of mind that you are [helping to eliminate] [eliminating] germs

Antifungal Claims

- 1. Eliminates >99.9% fungi [Trichophyton mentagrophytes (Athlete's Foot Fungus)]
- 2. Kills >99.9% fungi[Trichophyton mentagrophytes (Athlete's Foot Fungus)]
- 3. Destroys >99.9% fungi[Trichophyton mentagrophytes (Athlete's Foot Fungus)]
- 4. Removes >99.9% fungi[Trichophyton mentagrophytes (Athlete's Foot Fungus)]
- 5. Gets rid of >99.9% fungi[Trichophyton mentagrophytes (Athlete's Foot Fungus)]
- 6. Fungicidal spray
- 7. Fungicidal
- 8. Fungicidal disinfectant

Mildewstat Claims

- 1. Mildewstat spray for up to 7 days
- 2. Mildewstat for up to 7 days
- 3. Controls mold & mildew for up to 7 days
- 4. Prevents mold & mildew for up to 7 days
- 5. Inhibits mold & mildew for up to 7 days
- 6. Prevents mold and mildew for up to 7 days
- 7. Controls mold and mildew for up to 7 days
- 8. Prevents the growth of mold and mildew for up to 7 days
- 9. Controls the growth of mold and mildew for up to 7 days
- 10. Prevents mold & mildew from re-growing between cleanings for 7 days
- 11. Extended mold & mildew control for 7 days
- 12. 7 day mold & mildew control
- 13. Controls mold and mildew on hard nonporous surfaces for up to 7 days
- 14. Prevents mold & mildew growth for up to 7 days
- 15. Prevents mold and mildew on hard surfaces for 7 days
- 16. For residual mold & mildew control for up to 7 days
- 17. 7 day mold protection
- 18. 7 day mold & mildew protection
- 19. 7 day mold prevention
- 20. Long lasting 7 day mold prevention
- 21. Controls growth of mold and mildew for up to 7 days
- 22. Inhibits growth of mold and mildew for up to 7 days
- 23. Prevents growth of mold and mildew for up to 7 days
- 24. Controls the growth of mold and mildew for up to 7 days
- 25. Inhibits the growth of mold and mildew for up to 7 days

- 26. Prevents the growth of mold and mildew for up to 7 days
- 27. Inhibits growth of mold and mildew for up to 7 days {select hard nonporous surface}
- 28. Prevents growth of mold and mildew for up to 7 days {select hard nonporous surface}
- 29. Controls the growth of mold and mildew for up to 7 days {select hard nonporous surface}
- 30. Inhibits the growth of mold and mildew for up to 7 days {select hard nonporous surface}
- 31. Prevents the growth of mold and mildew for up to 7 days {select hard nonporous surface}

Antiviral† Claims

- 1. Eliminates >99.9% viruses†
- 2. Kills >99.9% viruses†
- 3. Destroys >99.9% viruses†
- 4. Removes >99.9% viruses†
- 5. Gets rid of >99.9% viruses†
- 6. Virucidal† spray
- 7. Virucidal†
- 8. Virucidal† disinfectant
- 9. One-step virucidal† disinfectant
- 10. Kills 2009-H1N1 Influenza A virus (novel H1N1) StainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and Norovirus
- 11. (Reduces 2009-H1N1 Influenza A virus (novel H1N1) StainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and Norovirus in 5 minutes)
- 12. Disinfects 2009-H1N1 Influenza A virus (novel H1N1) StainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and Norovirus
- 13. Kills 99.9% of 2009-H1N1 Influenza A virus (novel H1N1) StainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and Norovirus
- 14. Kills cold° and flu [in 1 minute [min]]
- 15. Eliminates >99.9% cold° and flu viruses [in 1 minute [min]]
- 16. Kills >99.9% cold° and flu viruses [in 1 minute [min]]
- 17. Destroys >99.9% cold° and flu viruses [in 1 minute [min]]
- 18. Removes >99.9% cold° and flu viruses [in 1 minute [min]]
- 19. Gets rid of >99.9% cold° and flu viruses [in 1 minute [min]]
- 20. Kills flu [in 1 minute [min]]
- 21. Eliminates 99.9% flu viruses [in 1 minute [min]]
- 22. Kills 99.9% flu viruses [in 1 minute [min]]
- 23. Destroys flu viruses [in 1 minute [min]]
- 24. Removes 99.9% flu viruses [in 1 minute [min]]
- 25. Gets rid of 99.9% flu viruses [in 1 minute [min]]
- 26. Kills cold° and flu viruses
- 27. Kills cold° and flu viruses and •Norovirus [in 5 minutes [mins]]
- 28. Eliminates •Norovirus [in 5 minutes [mins]]
- 29. Kills Norovirus [in 5 minutes [mins]]
- 30. Destroys •Norovirus [in 5 minutes [mins]]

Germ Claims

- 1. Antimicrobial
- 2. Antimicrobial spray
- 3. Destroys 99.9% germs

- 4. Eliminates 99.9% [of] germs
- 5. Germicidal spray
- 6. Gets rid of >99.9% [of] germs
- 7. Kills >99.9% [of] germs
- 8. Removes >99.9% [of]germs
- 9. Kills germs

Residual Claims

- 1. 24 hour antimicrobial surface protection against bacteria
- 2. 24 hour sanitization against bacteria
- 3. 24 hour sanitization of bacteria
- 4. 24 hour sanitization of ^Staph and ^Enterobacter
- 5. 24 hour surface protection against bacteria
- 6. A product that gives you peace of mind for 24 hour
- 7. A product that gives you peace of mind for 24 hour residual sanitization against bacteria
- 8. A product that gives you peace of mind for 24 hr
- 9. A product that gives you peace of mind for 24 hr residual sanitization against bacteria
- 10. Antibacterial for 24 hours
- 11. Antibacterial protection for 24 hours
- 12. Antibacterial sanitizing for 24 hours
- 13. Bacteria fighting formula
- 14. Continues to kill > 99.9% of bacteria for 24 hours
- 15. Continues to kill > 99.9% of [Staphylococcus aureus] [and] Enterobacter aerogenes for 24 hours
- 16. Continues to kill 99.9% of bacteria for 24 hours
- 17. Continues to kill 99.9% of [Staphylococcus aureus] [and] Enterobacter aerogenes for 24 hours
- 18. Delivers protection against bacteria for 24 hours
- 19. Designed for 24 hour sanitization against bacteria
- 20. Eliminates 99.9% of bacteria for 24 hours even after multiple touches
- 21. Eliminates 99.9% of bacteria for up to 24 hours even after multiple touches
- 22. Eliminates 99.9% of bacteria, fungi and †viruses then continues to sanitize bacteria even after multiple touches for 24 hours
- 23. Eliminates 99.9% of bacteria, fungi and †viruses then continues to sanitize bacteria even after multiple touches for 24 hrs
- 24. Even after multiple touches maintains a sanitized surface for 24 hours
- 25. Independent [External] tests show this formulation is scientifically proven to kill >99.9% of bacteria for 24 hours
- 26. Independent [External] tests show this formulation is scientifically proven to kill 99.9% of bacteria for 24 hours
- 27. Ideal for use on {select from surfaces} to provide 24 hour antibacterial sanitization
- 28. Independent [external] tests show this formulation is scientifically proven to kill 99.9% of bacteria for 24 hours
- 29. Independent [external] tests show this formulation is scientifically proven to kill 99.9% of bacteria for 24 hours
- 30. Keeps killing > 99.9% of bacteria for 24 hours
- 31. Keeps killing > 99.9% of [Staphylococcus aureus] [and] Enterobacter aerogenes for 24 hours
- 32. Keeps killing 99.9% of bacteria for 24 hours
- 33. Keeps killing 99.9% of [Staphylococcus aureus] [and] Enterobacter aerogenes for 24 hours
- 34. Keeps surfaces sanitized longer to stop [reduce] the spread of bacteria -

- 35. Kills 99.9% of bacteria for 24 hours
- 36. Kills 99.9% of bacteria for 24 hours even after multiple touches
- 37. Kills 99.9% of bacteria for up to 24 hours even after multiple touches
- 38. Kills 99.9% of bacteria, fungi and †viruses then continues to sanitize bacteria even after multiple touches for 24 hrs
- 39. Kills 99.9% of bacteria, fungi and viruses then continues to sanitize bacteria even after multiple touches for 24 hours
- 40. Kills 99.9% of bacteria, fungi and viruses then continues to sanitize bacteria even after multiple touches for 24 hrs
- 41. Kills 99.9% of [Staphylococcus aureus] [and] Enterobacter aerogenes for 24 hours
- 42. 24 hour surface sanitization protection from bacteria
- 43. Persistent antibacterial protection for 24 hours
- 44. Persistent antibacterial sanitizing for 24 hours
- 45. 24 hour surface sanitization protection from bacteria between each daily cleaning with product
- 46. 24 hour surface sanitization protection from bacteria between each daily disinfecting with product
- 47. 24 hour surface sanitization protection from bacteria between each daily sanitizing with product
- 48. Provides 24 hour residual antibacterial control
- 49. Provides defense from bacteria for 24 hours
- 50. Provides defense from [Staphylococcus aureus] [and] Enterobacter aerogenes for 24 hours
- 51. Residual self-sanitizing for 24 hours
- 52. Sanitization that lasts all day
- 53. Sanitize surfaces once a day to provide residual sanitization against bacteria
- 54. Sanitize surfaces once a day to provide you with residual sanitization against bacteria
- 55. Sanitizes 99.9% of bacteria for 24 hours even after multiple touches
- 56. Sanitizes 99.9% of bacteria for up to 24 hours even after multiple touches
- 57. Spray surfaces once a day to provide residual sanitization against bacteria
- 58. Spray surfaces once a day to provide you with residual sanitization against bacteria
- 59. Surfaces are quickly re-contaminated. Eliminates 99.9% of bacteria for up to 24-hours
- 60. Surfaces are quickly re-contaminated. Eliminates 99.9% of [Staphylococcus aureus] [and] Enterobacter aerogenes for up to 24-hours
- 61. Surfaces are quickly re-contaminated. This product eliminates 99.9% of bacteria for up to 24-hours
- 62. Surfaces are quickly re-contaminated. This product eliminates 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for up to 24 hours
- 63. This product eliminates 99.9% of bacteria, fungi and viruses then continues to sanitize bacteria even after multiple touches for 24 hours
- 64. This product eliminates 99.9% of bacteria, fungi and viruses then continues to sanitize bacteria even after multiple touches for 24 hrs
- 65. This product kills 99.9% of bacteria, fungi and viruses then continues to sanitize against bacteria even after multiple touches for 24 hours
- 66. This product kills 99.9% of bacteria, fungi and viruses then continues to sanitize bacteria even after multiple touches for 24 hrs
- 67. When used as directed provides residual protection from *Enterobacter aerogenes* and *Staphylococcus aureus* for up to 24 hours after initial application
- 68. Even after multiple touches maintains a sanitized surface for 24 hours and prevents mold & mildew for up to 7 days
- 69. Provides 24 hour residual antibacterial control and 7 day mold & mildew prevention

Non-Food Contact Sanitizer Claims

- 1. Ouick [Fast] [Rapid] Sanitization [Sanitizer]
- 2. One Step Sanitization [Sanitizer]
- 3. One Step [Quick][Fast][Rapid] Sanitization[Sanitizer]
- 4. Kills 99.9% of bacteria [in 10 seconds][quickly][fast]
- 5. Sanitizes 99.9% of bacteria [in 10 seconds][quickly][fast]
- 6. Kills > 99.9% of bacteria [in 10 seconds][quickly][fast]
- 7. Sanitizes > 99.9% of bacteria [in 10 seconds][quickly][fast]!
- 8. Kills 99.9% of bacteria in just 10 seconds
- 9. Sanitizes 99.9% of bacteria in just 10 seconds
- 10. Kills 99.9% of bacteria in just 10 seconds!
- 11. Sanitizes 99.9% of bacteria in just 10 seconds!
- 12. Sanitizes in 10 seconds
- 13. Sanitizes in a variety of areas
- 14. A sanitizer that sanitizes >99.9% of bacteria on hard non-porous surfaces around your house
- 15. A sanitizer that sanitizes >99.9% of bacteria on hard non-porous surfaces
- 16. A sanitizer that sanitizes >99.9% of bacteria on surfaces around your house
- 17. A sanitizer that sanitizes >99.9% of bacteria on surfaces
- 18. A sanitizer that kills >99.9% of bacteria on hard non-porous surfaces around your house
- 19. A sanitizer that kills >99.9% of bacteria on hard non-porous surfaces
- 20. A sanitizer that kills >99.9% of bacteria on hard non-porous surfaces around your house
- 21. A sanitizer that kills >99.9% of bacteria on hard non-porous surfaces

Hard Non-Porous Non-Food Contact Surfaces:

Table 1: General Use Non-Food Contact Surfaces

exterior toilet surfaces microwave exteriors arm rests

faucet handles bins stove tops

appliance exteriors cabinet handles faucets

cabinets potty chairs appliances potty seats

chairs

counter tops potty training seats cell phones

counters restrooms computer keyboards

plastic shower curtains computers door handles

doorknob shower doors desks shower faucets desktops floors garbage cans shower fixtures fax machines handrails shower handles headsets home/gym exercise equipment shower walls kevboards

Lamps showers LCD screens light switch covers sinks monitors light switches soap dispensers mouse pads lockers stall doors office supplies non-porous shelves toilet exteriors telephone headsets

recycling bins surfaces toilet handle telephones tables toilet seat activity centers tiled walls toilet surfaces booster chairs trash cans toilets booster seats towel dispensers child car seats tubs urinal surfaces under sinks children's toys

walls grocery carts cribs

walls display caseshampersjungle gymswaste containerskitchen countersplay tableswrist restskitchen non-food contactplayhousesbathroom counterslaminate countertopsplaypensdiaper changing tablesrange hoodsstroller handles

range tops strollers

diaper pails refrigerator exteriors toys

Table 2: Hospital Use Sites

(these sites will not be associated with the residual self-sanitization claims on market label)

bed framesexamination tableslaundry roombed railslab benchesover-bed tablesequipment tableslaundry hamperswheelchairs

Table 3: Usage Non-Food Contact Sites

Apartments Barges Recreation centers
Attics Boats Recreation facilities
Basements Buses Recreational facilities

BathroomsCampersRest stopsBedroomsCarsRestaurantsGaragesCruise shipsRestrooms

Holiday homes Helicopters Retail and Wholesale

establishments

HomesMobile homesSalonsKitchensPublic transportShelters

Laundry rooms Rail cars Shopping malls

Living rooms RVs Spas

Playrooms Shipping containers Sports areas
Porches Ships Storage areas
Sheds Subways Supermarkets
Toilets Tankers Tayerns

Vacation homes Tanks Animal research centers

Washrooms Taxis Animal shelters

Workshops Trailers Animal transport Vehicles
Art galleries Trains Breeding and grooming

establishments

Banks Transport vehicles Cages

Churches Trucks Examination rooms

Class roomsYachtsKennelsCollegesAirportsPet shopsCourthousesBarber shopsStables

Day care facilities Bars Veterinary clinics

Dorm rooms Beauty shops Zoos

Funeral homes Bowling alleys Ambulances

([bracketed text] and (text in parenthesis) is optional; italicized text is informational.)

Government buildings
Libraries
Canteens
Locker rooms
Coffee shops
Military institutions
Museums
Department stores
Nurseries
Exercise facilities
Offices
Fast food operations

Offices Fast food operat
Playgrounds Gas stations
Police stations Grocery stores
Post offices Gymnasiums

Prisons Gyms
Restrooms Gyms
School buses Health Clubs
Schools Hotels
Theaters Motels
Universities Public areas
Airplanes Public restrooms

Dental clinics Hospitals Housekeeping Janitorial rooms Laboratories

Medical and dental offices

Medical clinics Nursing homes

Patient transfer vehicles

Pharmacies

TABLE 4 List of Organisms*

DISINFECTANT

	2201112011111
1 minute 2 minutes 2 minutes 2 minutes 2 minutes 2 minutes 5 minutes	Bacteria* [*S.] Salmonella enterica [(Salmonella)] [ATCC 10708] [*S.] Staphylococcus aureus [(Staph)] [ATCC 6538] [*L.] Listeria monocytogenes [ATCC 7644] [*E.] Escherichia coli O157:H7 [ATCC 43888] [*S.] Streptococcus pyogenes [ATCC 12384] [*P.] Pseudomonas aeruginosa [(Pseudomonas)] [ATCC 15442]
1 minute	Viruses† †[□]2009-H1N1 Influenza A virus (novel H1N1) StainA/Mexico/4108/2009, CDC #2009712192 †[°]Respiratory Syncytial Virus [ATCC VR-26] †[°]Coronavirus [ATCC VR-740]
2 minutes	†Rotavirus [ATCC VR-2018]
5 minutes	†•Feline Calicivirus [as a Surrogate Virus for] [Norovirus] [ATCC VR-782]
10 minutes	Fungicidal Trichophyton mentagrophytes [ATCC 9533]

24 hour Residual Self SANITIZER

	[*S.] Staphylococcus aureus [(Staph)] [ATCC 6538]
5 minutes	[*E.] Enterobacter aerogenes [ATCC 13048]

Non-Food Contact SANITIZER

4.0	[*S.] Staphylococcus aureus [(Staph)] [ATCC 6538] [*E.] Enterobacter aerogenes [ATCC 13048]
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MILDEWSTAT

7 day	Aspergillus niger [ATCC 6275]
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Making Claims Against Emerging Viral Pathogens

This product meets the criteria to make the claims (identified below) against the following categories of emerging viral pathogens when the directions for use against Feline Calicivirus are used:

- -Enveloped viruses
- -Large non-enveloped viruses

Designated claims:

[Product name] has demonstrated effectiveness against viruses similar to [name of emerging virus, which must be large non- enveloped or enveloped virus] on [eligible surface type(s)]. Therefore, [product name] can be used against [name of emerging virus, which must be a large non-enveloped, and/or enveloped virus] when used in accordance with the directions for use against [name of supporting virus(es)] on [hard, non-porous surfaces]. Refer to the [CDC or OIE] website at [pathogen-specific website address] for additional information.

[Name of illness/outbreak] is caused by [name of emerging virus, which must be a large non-enveloped, and/or enveloped virus]. [Product name] kills similar viruses and therefore can be used against [name of emerging virus, which must be large non-enveloped, and/or enveloped virus] when used in accordance with the directions for use against [name of supporting virus(es)] on [hard, non-porous surfaces]. Refer to the [CDC or OIE] website at [website address] for additional information.



