



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 18, 2023

David Swain  
Regulatory Agent for,  
Byotrol, Inc.  
Electronic Transmittal: [David.Swain@SRCCconsultants.com]

Subject: PRIA Label and CSF Amendment – Adding new organisms and efficacy claims to the label, and Revising Basic and Alternate CSFs 1-5  
Product Name: DETSAN24  
EPA Registration Number: 83614-1  
Received Date: July 29, 2022  
Action Case Number: 00382273

Dear Mr. Swain:

The amended label and CSF(s) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are 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. Pursuant to 40 CFR 156.10(a)(6), 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.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 11/28/2022
- Alternate CSF 1 dated 11/28/2022
- Alternate CSF 2 dated 11/28/2022
- Alternate CSF 3 dated 11/28/2022
- Alternate CSF 4 dated 11/28/2022
- Alternate CSF 5 dated 11/28/2022

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 FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2).

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) lists 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, FIFRA section 12(a)(1)(B). 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 Assurance.

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, please contact Karen M. Leavy by phone at (202)-566-0668, or via email at [Leavy.Karen@epa.gov](mailto:Leavy.Karen@epa.gov).

Sincerely,



Tara Flint Silva, Acting Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division  
Office of Pesticide Programs

Enclosure: Stamped label

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

DETSAN24

[Residual Viral Disinfectant (Influenza A Virus and Human Coronavirus 229E)] [Residual Bacterial Disinfectant] [24-hour Surface Disinfection Action] [Residual Self Disinfectant] [Residual Self Sanitizer][One Step] [Multi-Purpose] [Daily] [Bathroom] [Disinfectant][Non-Food Contact Sanitizer][Virucide+][Fungicide][Mildewstat][Cleaner][Deodorizer] [Byotrol®][Byotrol24™] [Impressions™][Once-A-Day] [24-hour surface sanitizing action], [24-hour (fresh) (lavender) (citrus) (waterfall) (forest) (floral) (garden) (scent) (fragrance)], [7 day mold and mildew control<sup>b</sup>]

Alternate Brand Names: SaniLast 24, MicroGuard 24, ByoGuard 24, Byotrol, Byotrol Disinfectant Cleaner, Byotrol 24[®] [™], Byotrol Impressions™ Multipurpose Disinfectant Cleaner[®] [™], Byotrol Impressions™ Bathroom Disinfectant Cleaner[®] [™], Byotrol Impressions™ Multipurpose Daily Disinfectant Cleaner[®] [™], Byotrol24 Impressions™ Multipurpose Disinfectant Cleaner[®] [™], Byotrol24 Impressions™ Bathroom Disinfectant Cleaner[®] [™], Byotrol24 Impressions™ Multipurpose Daily Disinfectant Cleaner[®] [™], DetSan24, ByoShield, ByoShield 24, Zap 24, Byotrol Impressions™ Multipurpose Daily Disinfectant Cleaner with 24-Hour Surface Sanitizing Action™ PLUS 24-Hour Fresh Lavender Scent[®] [™]

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%

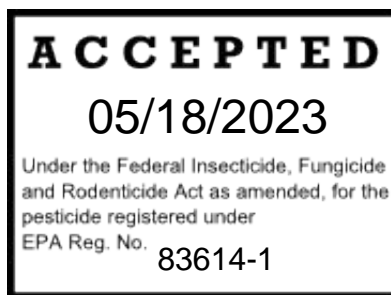
**Total:** 100.000%

EPA Reg. No.: 83614-1

EPA Est. No.: 87325-CAN-001, 79533-WI-1, 48211-MO-1, 8251-OH-1, 6574-KY-1, 1677-MN-1, 1677-CA-2, 1677-TX-1, 1677-IL-2, 1677-GA-1, 1677-WV-1, 303-IN-1, 58046-TX-2, 5389-NC-1, 60156-IL-1, 72806-OK-1, 1677-CAN-1, 7378-MO-1

Manufactured [by] [for]:

Byotrol, Inc.  
PO Box 18514  
Atlanta, GA 30326



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

Patented [Scientific] Formula. Made in [USA][Canada]

Net contents:

8 FL OZ. (237 mL)

1 Pint, 16 FL. OZ. (473 mL)

20-128 Fl. OZ

1 Quart, 32 FL. OZ. (946 mL)

{*Refill Bottles*} - 68 Fl. Oz (2.0L) - 128 Fl. OZ (1 Gallon) (3.785L)

(See (back), (side), (inside), (other) (fold-out) (booklet) (hang tag) (product container) (label(s)) (panel(s)) (container) for (complete) (additional) (information) (and) (storage and disposal) (container handling and disposal) and (directions for use)

(CUIDADO: Si no puede leer en inglés, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.)

(CAUTION: If you cannot read English, ask your supervisor for the appropriate instructions before handling this product.)

### **For Institutional Use**

### **BACK PANEL:**

[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].

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

## 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] [on hard, nonporous, non-food contact surfaces. Preclean if visible soil is present.]

*{For Refillable Trigger Bottles}*:

**To Refill:** Refill only with this product. Remove trigger sprayer from empty bottle. Open refill container and pour contents directly into this empty bottle. Replace trigger sprayer.

*{For Refillable Trigger Bottles one statement below will be utilized}*:

[To remove the trigger spray nozzle assembly, give the collar a light squeeze by gripping it firmly along the base, then twist the sleeve counterclockwise (to the left) until the locking teeth rotate above the pawl. Using a solid grip, the nozzle will become loose and may be removed by unscrewing anti-clockwise. To replace the trigger spray nozzle, carefully rotate firmly in a clockwise direction until the ratchet and pawl click closed. The nozzle is once again secured and locked closed.]

[To remove the trigger spray nozzle assembly, give the collar a light squeeze by gripping it firmly along the base, then twist the sleeve counterclockwise (to the left) until the dual threads disengage. Using a solid grip, the nozzle will become loose and may be removed by unscrewing anti-clockwise. To replace the trigger spray nozzle, carefully rotate firmly in a clockwise direction until the nozzle threads re-engage. The nozzle is once again secured and locked closed.]

[To remove the trigger spray nozzle assembly, twist trigger on spray bottle counterclockwise and pull upward to remove. To replace the trigger spray nozzle assembly, press straight down on the trigger until it clicks into place.]

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

### Directions for Use – Residual Activity

**Residual Self Sanitizing:** To sanitize to 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 surface is fully saturated. Allow surface to remain visibly wet for 5 minutes. Wipe dry. [No rinsing required.] Preclean if visible soil is present.

**Residual Self Disinfecting:** To disinfect for up to 24 hours against [bacteria] on hard, nonporous non-food contact surfaces. Spray this product 6-8 inches [from] [on] hard, nonporous surfaces until surface is fully saturated. Allow surface to remain visibly wet for 10 minutes. Air dry. Preclean if visible soil is present.

**Residual Virucide:** To disinfect for 24 hours against Influenza A (H1N1) Virus and Human Coronavirus 229E on hard, nonporous non-food contact surfaces. Spray this product 6-8 inches [from] [on] hard, nonporous surfaces. Allow surface to remain visibly wet for 10 minutes. Air dry. Preclean if visible soil is present.

[**To Sanitize for 24 Hours:** Spray on surface until thoroughly wet. Allow surface to remain visibly wet for 5 minutes. Wipe dry.] [Reapply if surface is rinsed.]

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

#### Directions for Use – Non-Residual Activity

**To Sanitize Non-Food Contact Surfaces:** For hard, non-porous, non-food contact surfaces, spray [this product] 6-8 inches from [on] surface until thoroughly wet. Allow surface to remain visibly wet for 10 seconds. Wipe dry. [No rinsing required.] Remove visible 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. Allow surface to remain visibly wet for 2 minutes<sup>#</sup> [for bacteria] [and 10 minutes for fungi]. Wipe dry. [No rinsing required.] Preclean if visible soil is present. [To disinfect Rotavirus, allow surface to remain visibly wet 2 mins.] [To disinfect @Norovirus, allow surface to remain visibly wet 5 mins.] To disinfect fungi allow surface to remain visibly wet for 10 minutes. [See Table 4 for contact time for specific organisms.]

<sup>#</sup> For *Pseudomonas aeruginosa*, allow surface to remain visibly wet 5 minutes.

**For Hospital Disinfection of Bacteria & Viruses+:** Spray [this product] 6-8 inches from hard, non-porous non-food contact surfaces until thoroughly wet. Allow surface to remain visibly wet for 5 minutes. Wipe dry. [No rinsing required.] Preclean if visible soil is present. To disinfect fungi, allow surface to remain visibly wet for 10 minutes.

**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 visible soil is present. Allow surface to remain visibly wet for 5 minutes, then flush.

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

[**To Disinfect & Deodorize:** Spray on surface until thoroughly wet. Surface must remain visibly wet for appropriate contact time listed on this label. Wipe dry. No rinse required.]

[**To Sanitize:** Spray on surface until thoroughly wet. Allow surface to remain visibly wet for 10 seconds. Wipe dry.]

[**To Control Mold & Mildew for up to 7 Days<sup>b</sup>:** Spray on surface until thoroughly wet. Allow to air dry.] [Reapply if surface is rinsed.]

<sup>b</sup> effectiveness on indoor hard, non-porous surfaces

[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 are 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]

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**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 inches 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 visible 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 visible soil prior to treatment.

**Shoe Disinfection Directions:** Scrape and remove visible 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.

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

**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 visibly 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.

*{For Residential refillable bottles:}*

Refillable container. This bottle can only be refilled with *{insert product name}* refill bottle. Use only the same product refill bottle. Do not reuse this bottle for any other purpose. Offer for recycling, if available. If not, discard in trash.

*{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.

*{For Institutional refillable bottles:}*

**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:** Refillable container. This bottle can only be refilled with *{insert product name}* refill bottle. Use only the same product refill bottle. Do not reuse this bottle for any other purpose. Offer for recycling, if available. If not, discard in trash.



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

*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 [on surfaces]
5. Tough on dirt
6. No bleach
7. Great for use on non-food contact surfaces in the kitchen, bathroom, floors and other household areas
8. Removes odors
9. Deodorizes
10. Will not harm most surfaces
11. For a cleaner, fresher household
12. Non-staining
13. Alcohol free (No alcohol)
14. Can be used on multiple surfaces such as (select from surface table)
15. (Will not harm) (will not damage) most surfaces such as *enter surface or surfaces from Table 1*  
[Admin Note – a surface or surface from Table 1 must be entered to use this claim.]
16. No chemical odor
17. No chemical smell
18. No dulling residue
19. Bleach free (formula)
20. Long lasting fragrance
21. Colorless
22. Will not (damage)(discolor) most common (household) surfaces
23. Do not use on (unfinished)(uncoated) surfaces
24. Spot test all surfaces in an inconspicuous area
25. Leaves your (pick from surfaces table) shiny
26. Not harmful to most surfaces
27. No phosphates (phosphate free)
28. Surfaces sparkle/ shine after cleaning
29. With Byotrol technology
30. Smear/ streak free
31. Surfaces sparkle/ shine after cleaning
32. No need for gloves
33. (Patented) (Patent pending) formulation is durable enough to withstand continuous (contact)(touches) for up to 24 hours, even on high contact areas like (doorknobs)(handles)(desks) and (faucets)
34. (Will not) (harm)(damage) (safe for) most surfaces (such as) {*select from surfaces table*} (you touch most)
35. Great for use in the bathroom, kitchen, floors and other hard surfaces
36. Smart science for an evolving world [®] [™]
37. Byotrol is a [remarkable][revolutionary] disinfectant cleaner
38. Non-corrosive on surfaces
39. With {*insert product brand name*} you not only clean your house, but you also create a home – fully renewed with a lasting clean and a lasting {*insert fragrance descriptor from Fragrance Claim list above*} scent

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

40. Multipurpose Daily Disinfectant Cleaner with 24-Hour Surface Sanitizing Action™ PLUS 24-Hour Fresh Lavender Scent
41. Great for use in the bathroom and kitchen, on floors and other hard surfaces.
42. For worry-free and round-the-clock reassurance, use {*insert product brand name*} on a variety of frequently touched spots [in your bathroom] such as tubs, showers, sinks, doorknobs, counters, toilets, hard floors, baths & showers and other germ surfaces

### **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) [*Admin Note – use only with unfragranced formula version*]
13. (Unfragranced) [*Admin Note – use only with unfragranced formula version*]
14. Lavender Morning Breeze [®] [™]
15. Citrus Sparkle [®] [™]
16. Pure Mountain Mist [®] [™]
17. Citrus Hawaiian Sunrise [®] [™]
18. Serene Mountain Woodland [®] [™]
19. Spring garden Blossoms [®] [™]
20. Tranquil Tahitian Waterfall [®] [™]
21. Ocean [®] [™]
22. Lavender
23. Citrus
24. Waterfall [®] [™]
25. Spring garden [®] [™]
26. Forest [®] [™]
27. Seaside Serenity [®] [™]
28. French lavender [®] [™]
29. Grove Sunrise [®] [™]
30. Clean
31. Clean and Fresh
32. Fragrance Free [*Admin Note – use only with unfragranced formula version*]
33. Lavender Morning [®] [™]
34. Hawaiian Sunrise Citrus [®] [™]
35. Mountain Serenity [®] [™]
36. Fragrance-Free [*Admin Note – use only with unfragranced formula version*]

### **Cleaning Claims**

1. Can be used on multiple surfaces such as {*select from surface table*}

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

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. Removes [tough mold & mildew] stains [from tile, grout, and more] [without scrubbing]
8. [Destroys] Removes soap scum
9. Prevents soap scum for 24 hours
10. Powers through tough soap scum and [bath] grime
11. Bathroom cleaner
12. Whitening power
13. Cleans to a brilliant shine
14. Bathroom grime fighter
15. Erases mold & mildew stains and cleans soap scum [easily]
16. Leaves a brilliant surface shine
17. Effective on tub, showers, basins, stainless steel, tile, chrome, fiberglass, plastic and vinyl [toilets]
18. Powers through tough grime
19. Removes calcium, lime and hard water deposits, soap scum, discoloration and dirt
20. Effectively removes dirt from multiple bathroom surfaces
21. Cleans fast. Works hard.
22. Deep cleaning for surfaces.
23. Cleaner spaces and surfaces.
24. A scientific clean for surfaces
25. A scientific clean for spaces and surfaces
26. A comprehensive clean [ing solution]
27. A comprehensive clean with Byotrol Science

### **Stain Claims**

1. Removes stains

### **Deodorizing Claims**

1. Neutralizes odors
2. Neutralizes pet odors
3. Long lasting deodorizer
4. 24-Hour Deodorizer with 24-hour fragrance
5. 24-hour fragrance
6. Renews your home with a lasting clean and a lasting fresh scent
7. Pleasing fragrance that lasts a full 24 hours
8. Leaves rooms smelling fresh
9. Leaves rooms smelling clean
10. Leaves rooms smelling fresh and clean
11. [Plus] 24 hours [ {*insert fragrance descriptor from Fragrance Claim list above*} ]
12. Lavender Morning Breeze [®] [™] transports your home to the French countryside. A soothing herbal fragrance evokes the sensation of opening your window to a gentle morning breeze carrying in the refreshing scent of lavender, rosemary and thyme.

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

13. [Citrus Hawaiian Sunrise] [Hawaiian Sunrise Citrus] [®] [™] reinvigorates your home with the fresh scents of the Pacific islands, where the burgeoning warmth of a Hawaiian sunrise brings out the sweet fragrance of newly ripened, luscious orange, pineapple, lemon, lime, and starfruit.
14. Your home becomes a tropical oasis with Tranquil Tahitian Waterfall [®] [™]. This cool, breezy fragrance is a refreshing waterfall mist that gently wafts into your home with a delicate aroma of fresh island flowers blended with subtle hints of driftwood and white musk.
15. [Serene Mountain Woodland] [Mountain Serenity] [®] [™] nestles your home into a secluded pine forest high in the Pacific Northwest. A cool, soothing woody scent rich with tones of lush wildflowers and native herbs elevates you to the dense foliage of a grove untouched by civilization and bathed in the purest mountain air.
16. Breathe new life into your home with nature's perfume, Spring Garden Blossoms [®] [™], an enchanting blend of the sweet scent of hyacinth and lily of the valley, the ambrosial aroma of honeysuckle vines irresistible to hummingbirds and the bright fragrance of orange blossoms.
17. Spring Garden Blossoms [®] [™] brightens your home with nature's perfume. A flowering fragrance [that is irresistibly alluring to hummingbirds] is [beautifully] blended with the [ambrosial] aroma of honeysuckle vines, hyacinth and sweet orange blossoms.
18. Byotrol 24 [Hour][with] [24 hour] Surface Sanitizing Action [R] [™]
19. 24-Hour [Fresh] [Scent] [Fragrance]
20. A pleasing fragrance that lasts a full 24 hours lets you know that [BYOTROL24®] {*insert product brand name*} is actively working to control germs around the clock
21. Deodorizes for 24 Hours [with (fresh) {*insert fragrance descriptor from Fragrance Claim list above*} (scent) (fragrance)]
22. Deodorizes [with (fresh) {*insert fragrance descriptor from Fragrance Claim list above*} (scent) (fragrance)] for 24 Hours

### Healthcare Non-Residual 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. Bactericidal spray
12. Bactericidal
13. Deodorizes
14. Disinfects in 5 minutes\*  
\* *Trichophyton mentagrophytes* in 10 minutes
15. Kills *Staphylococcus aureus* and *Pseudomonas aeruginosa*
16. (Kills *Staphylococcus aureus* and *Pseudomonas aeruginosa* in 5 minutes)
17. Kills 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa*
18. (Kills 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa* in 5 minutes)
19. Eliminates 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa*
20. (Eliminates 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa* in 5 minutes)
21. Disinfects *Staphylococcus aureus* and *Pseudomonas aeruginosa*

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

22. (Disinfects *Staphylococcus aureus* and *Pseudomonas aeruginosa* in 5 minutes)
23. Disinfects 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa*
24. (Disinfects 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa* in 5 minutes)
25. Reduces *Staphylococcus aureus* and *Pseudomonas aeruginosa*
26. (Reduces *Staphylococcus aureus* and *Pseudomonas aeruginosa* in 5 minutes)
27. Reduces 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa*
28. (Reduces 99.9% of *Staphylococcus aureus* and *Pseudomonas aeruginosa* in 5 minutes)
29. Disinfects against *Staphylococcus aureus* and *Pseudomonas aeruginosa*
30. Disinfects household bacteria\* on hard, non-porous surfaces
31. Disinfects common bathroom bacteria\* on hard, non-porous surfaces
32. Kills household bacteria\* on hard, non-porous surfaces
33. Kills common household bacteria\* on hard, non-porous surfaces
34. Kills common household and bathroom bacteria\* on hard, non-porous surfaces
35. Kills household and bathroom bacteria\* on hard, non-porous surfaces
36. Kills common household germs\* on hard, non-porous surfaces
37. Disinfects hard, non-porous household surfaces\* on hard, non-porous surfaces
38. Kills common bathroom bacteria\* on hard, non-porous surfaces
39. Disinfects in a variety of areas on hard, non-porous surfaces
40. This product will clean and disinfect hard, non-porous surfaces of {*select from surfaces*}
41. [Ideal for] [sanitizing] [cleans] [and] [disinfects] and [sanitizes] [in one step] when the disinfection/sanitization directions for use are followed
42. [Ideal for] [sanitizing] [disinfecting] all [your] hard, non-porous surfaces
43. [One step] [antibacterial] formula [that] [cleans] [and] [disinfects] and [sanitizes] [in one step] when the disinfection directions for use are followed
44. A simple[r] solution for helping to maintain a cleaner [home] [area] [with less chance of cross-contamination across treated surfaces]
45. Eliminates 99.9% [bacterial] [and] [fungal] [mold] [mildew] odors [at the source]
46. Kills 99.9% [odor causing] [bacteria][bacteria] [germs] [and leaves a nice smell]
47. Peace of mind that you are [helping to eliminate] [eliminating] 99.9% germs
48. Kills [cold<sup>c</sup>], [flu<sup>d</sup>], [Staph<sup>1</sup>], [Salmonella<sup>2</sup>], [E. coli<sup>3</sup>], [Strep<sup>4</sup>], and [Listeria<sup>5</sup>]
49. Disinfection for healthcare environments

\*on hard, non-porous surfaces

### General Disinfectant and Sanitizer 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)

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

12. Eliminates 99.9% of *Salmonella enterica*, *Staphylococcus aureus*, *Listeria monocytogenes*, *Escherichia coli* O157:H7 and *Streptococcus pyogenes*
13. (Eliminates 99.9% *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* O157: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\* on hard, non-porous surfaces
37. Disinfects common bathroom bacteria\* on hard, non-porous surfaces
38. Kills household bacteria\* on hard, non-porous surfaces
39. Kills common household bacteria\* on hard, non-porous surfaces
40. Kills common household and bathroom bacteria\* on hard, non-porous surfaces
41. Kills household and bathroom bacteria\* on hard, non-porous surfaces
42. Kills common household germs\* on hard, non-porous surfaces
43. Disinfects household hard, non-porous surfaces s
44. Kills common bathroom bacteria\* on hard, non-porous surfaces
45. Disinfects in a variety of areas on hard, non-porous surfaces
46. This product will clean and disinfect hard, non-porous surfaces of {select from surfaces}

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

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] when the disinfection/sanitization directions for use are followed
50. A simple[r] solution for helping to maintain a cleaner [home] [area] [with less chance of cross-contamination across treated surfaces]
51. Eliminates 99.9% [bacterial] [and] [fungal] [mold] [mildew] odors [at the source]
52. Kills {99.9%} [odor causing] [bacteria][bacteria] [germs] [and leaves a nice smell]
53. Peace of mind that you are [helping to eliminate] [eliminating] 99.9% germs
54. Sanitizer
55. Cleaning and disinfecting in one step when the disinfection directions for use are followed.
56. Cleaning and disinfecting for spaces and hard, non-porous surfaces.
57. Cleans and disinfects spaces and hard, non-porous surfaces.
58. Cleaning and disinfecting made easy [when used according to directions for use]
59. Get more done with an easy-to-use cleaner and disinfectant
60. [Help] disinfect spaces and hard, non-porous surfaces with Byotrol Science

### Antifungal Claims

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

<sup>b</sup>on hard, non-porous indoor surfaces

### Mildewstat Claims

1. Mildewstat spray for up to 7 days<sup>b</sup>
2. Mildewstat for up to 7 days<sup>b</sup>
3. Controls [bathroom] [mold &] mildew for [up to] 7 days<sup>b</sup>
4. Prevents mold & mildew for up to 7 days<sup>b</sup>
5. Inhibits mold & mildew for up to 7 days<sup>b</sup>
6. Prevents mold and mildew for up to 7 days<sup>b</sup>
7. Controls mold and mildew for up to 7 days<sup>b</sup>
8. Prevents the growth of mold and mildew for up to 7 days<sup>b</sup>
9. Controls the growth of mold and mildew for up to 7 days<sup>b</sup>
10. Prevents mold & mildew from re-growing between cleanings for 7 days<sup>b</sup>
11. Extended mold & mildew control for 7 days<sup>b</sup>
12. 7-day mold & mildew control<sup>b</sup>
13. Controls mold and mildew on hard nonporous surfaces for up to 7 days<sup>b</sup>
14. Prevents mold & mildew growth for up to 7 days<sup>b</sup>
15. Prevents mold and mildew on hard surfaces for 7 days<sup>b</sup>
16. For residual mold & mildew control for up to 7 days<sup>b</sup>

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

17. 7-day mold protection of surfaces<sup>b</sup>
18. 7-day mold & mildew protection of surfaces<sup>b</sup>
19. 7-day mold prevention<sup>b</sup>
20. Long lasting 7-day mold prevention<sup>b</sup>
21. Controls growth of mold and mildew for up to 7 days<sup>b</sup>
22. Inhibits growth of mold and mildew for up to 7 days<sup>b</sup>
23. Prevents growth of mold and mildew for up to 7 days<sup>b</sup>
24. Controls the growth of mold and mildew for up to 7 days<sup>b</sup>
25. Inhibits the growth of mold and mildew for up to 7 days<sup>b</sup>
26. Prevents the growth of mold and mildew for up to 7 days<sup>b</sup>
27. Inhibits growth of mold and mildew for up to 7 days<sup>b</sup> {*select hard nonporous surface*}
28. Prevents growth of mold and mildew for up to 7 days<sup>b</sup> {*select hard nonporous surface*}
29. Controls the growth of mold and mildew for up to 7 days<sup>b</sup> {*select hard nonporous surface*}
30. Inhibits the growth of mold and mildew for up to 7 days<sup>b</sup> {*select hard nonporous surface*}
31. Prevents the growth of mold and mildew for up to 7 days<sup>b</sup> {*select hard nonporous surface*}

<sup>b</sup> effectiveness on indoor hard, non-porous surfaces

#### **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) StrainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and @Norovirus
11. (Reduces 2009-H1N1 Influenza A virus (novel H1N1) StrainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and @Norovirus in 5 minutes)
12. Disinfects 2009-H1N1 Influenza A virus (novel H1N1) StrainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and @Norovirus
13. Kills 99.9% of 2009-H1N1 Influenza A virus (novel H1N1) StrainA/Mexico/4108/2009, CDC #2009712192, Respiratory Syncytial Virus, Coronavirus, Rotavirus and @Norovirus
14. Kills cold<sup>c</sup> and flu<sup>d</sup> [in 1 minute [min]]
15. Eliminates 99.9% cold<sup>c</sup> and flu<sup>d</sup> viruses [in 1 minute [min]]
16. Kills 99.9% cold<sup>c</sup> and flu<sup>d</sup> viruses [in 1 minute [min]]
17. Destroys 99.9% cold<sup>c</sup> and flu<sup>d</sup> viruses [in 1 minute [min]]
18. Removes 99.9% cold<sup>c</sup> and flu<sup>d</sup> viruses [in 1 minute [min]]
19. Gets rid of 99.9% cold<sup>c</sup> and flu<sup>d</sup> viruses [in 1 minute [min]]
20. Kills flu<sup>d</sup> [in 1 minute [min]]
21. Eliminates 99.9% flu<sup>d</sup> viruses [in 1 minute [min]]
22. Kills 99.9% flu<sup>d</sup> viruses [in 1 minute [min]]
23. Destroys flu<sup>d</sup> viruses [in 1 minute [min]]
24. Removes 99.9% flu<sup>d</sup> viruses [in 1 minute [min]]
25. Gets rid of 99.9% flu<sup>d</sup> viruses [in 1 minute [min]]
26. Kills cold<sup>c</sup> and flu<sup>d</sup> viruses



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

27. Kills cold<sup>c</sup> and flu<sup>d</sup> viruses and @Norovirus [in 5 minutes [mins]]
28. Eliminates 99.9% @Norovirus [in 5 minutes [mins]]
29. Kills ♦Norovirus [in 5 minutes [mins]]
30. Destroys 99.9% @Norovirus [in 5 minutes [mins]]
31. Kills {99.9% of} SARS-CoV-2 [in 1 minute]<sup>b</sup>
32. Disinfects against SARS-CoV-2 [in 1 minute]<sup>b</sup>
33. Eliminates {99.9% of} the SARS-CoV-2 virus [in 1 minute]<sup>b</sup>
34. Kills cold<sup>c</sup>, flu<sup>d</sup>, and SARS-CoV-2 viruses [in 1 minute]<sup>b</sup>
35. [Tested and] proven effective to kill [the] [SARS-CoV-2] [COVID- 19 virus] [in 1 minute]<sup>b</sup>
36. [Tested and] proven effective against [the] [SARS-CoV-2] [COVID- 19 virus] [in 1 minute]<sup>b</sup>
37. [Tested and] proven effective to help reduce the spread of [the] [SARS-CoV-2] [COVID-19 virus] [in 1 minute]<sup>b</sup>

<sup>b</sup>effectiveness on indoor hard, non-porous surfaces

### **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
10. Let's you know that Byotrol is actively working to control germs

### **Residual Claims**

1. 24-hour antimicrobial protection of surfaces 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 protection of surfaces against bacteria
6. A product that gives you peace of mind for 24 hours
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 of surfaces for 24 hours
12. Antibacterial sanitizing for 24 hours
13. Continues to kill 99.9% of bacteria for 24 hours
14. Continues to kill 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for 24 hours
15. Continues to kill 99.9% of bacteria for 24 hours
16. Continues to kill 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for 24 hours
17. Delivers protection on treated surfaces against bacteria for 24 hours
18. Designed for 24-hour sanitization against bacteria
19. Eliminates 99.9% of bacteria for 24 hours even after multiple touches
20. Eliminates 99.9% of bacteria for up to 24 hours even after multiple touches
21. Even after multiple touches maintains a sanitized surface for 24 hours

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

22. Independent [External] tests show this formulation is scientifically proven to kill 99.9% of bacteria for 24 hours
23. Independent [External] tests show this formulation is scientifically proven to kill 99.9% of bacteria for 24 hours
24. Ideal for use on *{select from surfaces}* to provide 24-hour antibacterial sanitization
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. Keeps killing 99.9% of bacteria for 24 hours
28. Keeps killing 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for 24 hours
29. Keeps killing 99.9% of bacteria for 24 hours
30. Keeps killing 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for 24 hours
31. Keeps surfaces sanitized longer to stop [reduce] the spread of bacteria -
32. Kills 99.9% of bacteria for 24 hours
33. Kills 99.9% of bacteria for 24 hours even after multiple touches
34. Kills 99.9% of bacteria for up to 24 hours even after multiple touches
35. Kills 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for 24 hours
36. 24-hour sanitization protection of surfaces from bacteria
37. Persistent antibacterial protection of surfaces for 24 hours<sup>g</sup>
38. Persistent antibacterial sanitizing for 24 hours<sup>g</sup>
39. 24-hour sanitization protection of surfaces from bacteria between each daily cleaning with product
40. 24-hour sanitization protection of surfaces from bacteria between each daily disinfecting with product
41. 24-hour sanitization protection of surfaces from bacteria between each daily sanitizing with product
42. Provides 24-hour residual antibacterial control
43. Provides defense from bacteria for 24 hours
44. Provides defense from [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for 24 hours
45. Residual self-sanitizing for 24 hours
46. Sanitization that lasts all day
47. Sanitize surfaces once a day to provide residual sanitization against bacteria
48. Sanitize surfaces once a day to provide you with residual sanitization against bacteria
49. Sanitizes 99.9% of bacteria for 24 hours even after multiple touches
50. Sanitizes 99.9% of bacteria for up to 24 hours even after multiple touches
51. Spray surfaces once a day to provide residual sanitization against bacteria
52. Spray surfaces once a day to provide you with residual sanitization against bacteria
53. Surfaces are quickly re-contaminated. Eliminates 99.9% of bacteria for up to 24-hours
54. Surfaces are quickly re-contaminated. Eliminates 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for up to 24-hours
55. Surfaces are quickly re-contaminated. This product eliminates 99.9% of bacteria for up to 24-hours
56. Surfaces are quickly re-contaminated. This product eliminates 99.9% of [*Staphylococcus aureus*] [and] *Enterobacter aerogenes* for up to 24 hours
57. When used as directed provides residual protection of surfaces from *Enterobacter aerogenes* and *Staphylococcus aureus* for up to 24 hours after initial application
58. Even after multiple touches maintains a sanitized surface for 24 hours and prevents mold & mildew for up to 7 days
59. Provides 24-hour residual antibacterial control and 7-day mold & mildew prevention
60. 24-hour surface sanitizing action [®] [™]
61. Keeps surfaces sanitized for a full 24 hours with only one application
62. 24-hour antimicrobial action

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

63. 24-hour antiviral action against Influenza A Virus and Human Coronavirus 229E
64. 24-hour antibacterial action
65. 24-hour [surface] disinfection against bacteria, Influenza A Virus and Human Coronavirus 229E
66. 24-hour hospital disinfection against bacteria\*, Influenza A Virus and Human Coronavirus 229E
67. 24- hour disinfection against influenza A [the flu virus]
68. 24-hour disinfection against Human Coronavirus 229E
69. Disinfection for 24 hours against Influenza A Virus and Human Coronavirus 229E
70. Hospital disinfection\* for 24 hours against Staphylococcus aureus and Pseudomonas aeruginosa
71. Continues to kill [99.9% of] Influenza A Virus and Human Coronavirus 229E for 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
72. Continues to kill [99.9% of] bacteria and Influenza A Virus and Human Coronavirus 229E for 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
73. Continues to kill [99.9% of] Influenza A Virus and Human Coronavirus 229E for 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
74. Continuous disinfection of bacteria and Influenza A Virus and Human Coronavirus 229E [for 24 hours] [even after multiple touches] [even while the hard, non-porous surface is in use]
75. Continuous hospital disinfection for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
76. Continuous kill of bacteria and Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
77. 24-hour [hospital] disinfection against bacteria\*, Influenza A Virus and Human Coronavirus 229E [even after multiple touches] [even while the hard, non-porous surface is in use]
78. Eliminates 99.9% of bacteria, Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches]
79. Eliminates 99.9% of bacteria, Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even while the hard, non-porous surface is in use]
80. Eliminates 99.9% of Influenza A Virus [the flu virus] and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
81. Eliminates 99.9% of Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
82. Keeps killing [99.9% of] bacteria, Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
83. Keeps killing [99.9% of] Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours
84. Keeps killing [99.9% of] Influenza A Virus [the flu virus] and Human Coronavirus 229E for [up to] 24 hours
85. Keeps surfaces disinfected for [up to] 24 hours [with one application] [even after multiple touches] [even while the hard, non-porous surface is in use]
86. Kills 99.9% of bacteria, and +viruses then continue to disinfect bacteria, Influenza A Virus and Human Coronavirus 229E [even after multiple touches] for [up to] 24 hours
87. Persistent antibacterial performance for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
88. Persistent disinfection [performance] for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use] of bacteria and Influenza A Virus and Human Coronavirus 229E
89. Persistent antimicrobial [performance][kill] for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
90. Persistent antiviral [performance][kill] against Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
91. Provides continuous antibacterial [control][kill] for [up to] 24 hours [even after multiple

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

- touches] [even while the hard, non-porous surface is in use]
92. Provides continuous antiviral [control][kill] against Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
  93. Provides continuous bacterial, Influenza A Virus and Human Coronavirus 229E antimicrobial [control][kill] for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
  94. Provides defense against bacteria, Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
  95. Provides defense against bacterial, Influenza A Virus and Human Coronavirus 229E pathogens for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
  96. Defend against bacteria, Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
  97. Defend against bacterial, Influenza A Virus and Human Coronavirus 229E pathogens for [up to] 24 hours [even after multiple touches] [even while the hard, non-porous surface is in use]
  98. Defend against bacteria, Influenza A Virus and Human Coronavirus 229E in between cleans [for [up to] 24 hours]
  99. Shield your surfaces against 99.9% bacteria, Influenza A Virus and Human Coronavirus 229E for [up to] 24 hours
  100. Shield your surfaces against 99.9% bacterial, Influenza A Virus and Human Coronavirus 229E pathogens for [up to] 24 hours
  101. Shield your surfaces against 99.9% bacteria, Influenza A Virus and Human Coronavirus 229E in between cleans
  102. Shield your surfaces against 99.9% bacterial, Influenza A Virus and Human Coronavirus 229E pathogens in between cleans
  103. Disinfection that lasts all day
  104. [Have] Confidence in between cleans
  105. [Disinfectant] continues to work [for you] all day long
  106. Disinfect once a day for all day control
  107. Disinfect once a day for all day confidence
  108. Disinfect once a day for 24-hour confidence
  109. Disinfect once a day for 24-hour control
  110. All day confidence in between cleans
  111. All day confidence with [24 hour] continuous disinfection

<sup>g</sup> when the directions for use for residual disinfection are followed

### **Non-Food Contact Sanitizer Claims**

1. Quick [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

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

13. Sanitizes in a variety of hard, non-porous surface 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
22. Sanitizer

**Hard Non-Porous Non-Food Contact Surfaces:**

**Table 1: General Use Non-Food Contact Surfaces**

arm rests	exterior toilet surfaces	microwave exteriors
bins	faucet handles	stove tops <sup>a</sup>
cabinet handles	faucets	appliance exteriors
cabinets	potty chairs	appliances
chairs	potty seats	
counter tops	potty training seats	cell phones
counters	restrooms	computer keyboards
door handles	plastic shower curtains	computers
doorknob	shower doors	desks
floors	shower faucets	desktops
garbage cans	shower fixtures	fax machines
handrails	shower handles	headsets
home/gym exercise equipment	shower walls	keyboards
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
tubs	towel dispensers	child car seats
under sinks	urinal surfaces	children's toys
walls	grocery carts	cribs
walls display cases	hampers	jungle gyms
waste containers	kitchen counters	play tables
wrist rests	kitchen non-food contact	playhouses
bathroom counters	laminated countertops	playpens
diaper changing tables	range hoods	stroller handles
	range tops <sup>a</sup>	strollers
diaper pails	refrigerator exteriors	toys

<sup>a</sup>allow surface to adjust to room temperature before applying product

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

**Table 2: Hospital Use Sites**

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

bed frames <sup>b</sup>	examination tables <sup>b</sup>	laundry room <sup>b</sup>
bed rails <sup>b</sup>	lab benches <sup>b</sup>	over-bed tables <sup>b</sup>
equipment tables <sup>b</sup>	laundry hampers <sup>b</sup>	wheelchairs <sup>b</sup>

<sup>b</sup>on hard, non-porous indoor surfaces

**Table 3: Usage Hard, Non-Porous, Non-Food Contact Sites**

Apartments	Barges	Recreation centers
Attics	Boats	Recreation facilities
Basements	Buses	Recreational facilities
Bathrooms	Campers	Rest stops
Bedrooms	Cars	Restaurants
Garages	Cruise ships	Restrooms
Holiday homes	Helicopters	Retail and Wholesale establishments
Homes	Mobile homes	Salons
Kitchens	Public transport	Shelters
Laundry rooms	Rail cars	Shopping malls
Living rooms	RVs	Spas
Playrooms	Shipping containers	Sports areas
Porches	Ships	Storage areas
Sheds	Subways	Supermarkets
Toilets	Tankers	Taverns
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
Classrooms	Yachts	Kennels
Colleges	Airports	Pet shops
Courthouses	Barber shops	Stables
Day care facilities	Bars	Veterinary clinics
Dorm rooms	Beauty shops	Zoos
Funeral homes	Bowling alleys	Ambulances
Government buildings	Cafeterias	Dental clinics
Libraries	Canteens	Hospitals
Locker rooms	Coffee shops	Housekeeping
Military institutions	Convenience stores	Janitorial rooms
Museums	Department stores	Laboratories
Nurseries	Exercise facilities	Medical and dental offices
Offices	Fast food operations	Medical clinics
Playgrounds	Gas stations	Nursing homes
Police stations	Grocery stores	Patient transfer vehicles
Post offices	Gymnasiums	Pharmacies

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

Prisons  
Restrooms  
School buses  
Schools  
Theaters  
Universities  
Airplanes

Gyms  
Gyms  
Health Clubs  
Hotels  
Motels  
Public areas  
Public restrooms

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

**TABLE 4 List of Organisms\***

<b>DISINFECTANT</b>	
	<b>Bacteria*</b>
1 minute	[*S.] [ <sup>2</sup> ] <i>Salmonella enterica</i> [( <i>Salmonella</i> <sup>2</sup> )] [ATCC 10708]
2 minutes	[*S.] [ <sup>1</sup> ] <i>Staphylococcus aureus</i> [( <i>Staph</i> <sup>1</sup> )] [ATCC 6538]
2 minutes	[*L.] [ <sup>5</sup> ] <i>Listeria monocytogenes</i> [( <i>Listeria</i> <sup>5</sup> )] [ATCC 7644]
2 minutes	[*E.] [ <sup>4</sup> ] <i>Escherichia coli O157:H7</i> [( <i>E.coli</i> <sup>4</sup> )] [ATCC 43888]
2 minutes	[*S.] [ <sup>3</sup> ] <i>Streptococcus pyogenes</i> [( <i>Strep</i> <sup>3</sup> )] [ATCC 12384]
5 minutes	[*P.] <i>Pseudomonas aeruginosa</i> [( <i>Pseudomonas</i> )] [ATCC 15442]
	<b>Viruses+</b>
1 minute	+ [ <sup>d</sup> ] 2009-H1N1 Influenza A virus (novel H1N1) Strain A/Mexico/4108/2009, CDC #2009712192 + [ <sup>c</sup> ] Respiratory Syncytial Virus [ATCC VR-26] + [ <sup>c</sup> ] Coronavirus [ATCC VR-740] + [ <sup>c</sup> ] SARS-Related Coronavirus 2 [SARS-CoV-2] [cause of COVID-19]
2 minutes	+Rotavirus [ATCC VR-2018]
5 minutes	+@Feline Calicivirus [as a Surrogate Virus for] [Norovirus] [ATCC VR-782]
	<b>Fungicidal</b>
10 minutes	<i>Trichophyton mentagrophytes</i> [ATCC 9533]

<b>24-hour Residual Self SANITIZER</b>	
5 minutes	[*S.] <i>Staphylococcus aureus</i> [( <i>Staph</i> )] [ATCC 6538] [*E.] <i>Enterobacter aerogenes</i> [ATCC 13048]

<b>24-hour Residual Self DISINFECTANT</b>	
10 minutes	[*S.] [ <sup>2</sup> ] <i>Salmonella enterica</i> [( <i>Salmonella</i> <sup>2</sup> )] [ATCC 10708] [*S.] [ <sup>1</sup> ] <i>Staphylococcus aureus</i> [( <i>Staph</i> <sup>1</sup> )] [ATCC 6538] [*L.] [ <sup>5</sup> ] <i>Listeria monocytogenes</i> [( <i>Listeria</i> <sup>5</sup> )] [ATCC 7644] [*E.] [ <sup>4</sup> ] <i>Escherichia coli O157:H7</i> [( <i>E. coli</i> <sup>4</sup> )] [ATCC 43888] [*S.] [ <sup>3</sup> ] <i>Streptococcus pyogenes</i> [( <i>Strep</i> <sup>3</sup> )] [ATCC 12384] [*P.] <i>Pseudomonas aeruginosa</i> [( <i>Pseudomonas</i> )] [ATCC 15442]

<b>24-hour Residual Self VIRUCIDE</b>	
10 minutes	Influenza A virus (H1N1) (ATCC VR-1469) Human coronavirus 229E [ATCC VR-740]

<b>Non-Food Contact SANITIZER</b>	
10 seconds	[*S.] <i>Staphylococcus aureus</i> [( <i>Staph</i> )] [ATCC 6538] [*E.] <i>Enterobacter aerogenes</i> [ATCC 13048]

<b>MILDEWSTAT</b>	
7 days	<i>Aspergillus niger</i> [ATCC 6275]



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

## **Making Claims Against Emerging Viral Pathogens**

(EMERGING VIRAL PATHOGEN CLAIMS – The statements below shall only be communicated through 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 or final print product labels.)

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.

This product meets the criteria to make the claims (identified below) against the following categories of emerging viral pathogens.

<b>For an emerging viral pathogen that is a/an...</b>	<b>... follow the directions for use for the following organisms on the label:</b>
Enveloped virus	Norovirus (Feline Calicivirus tested surrogate) (ATCC VR-782)
Large, non-enveloped virus	

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.*

*(Communication of these statements may begin upon CDC or OIE website notification identified under Section V of the Guidance of an outbreak of an emerging small non-enveloped, large non- enveloped, and/or enveloped viral pathogen.)*

*(Communication will cease, and all non-label communications intended for consumers no later than 24 months after original notification of the outbreak on the CDC or OIE website, unless the agency provides guidance to the contrary due to continued public health concerns.)*

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

Don't let bacteria bug you.™



Continuous Protection from Harmful Bacteria for up to 24 hours.



New Icons:



[ Continuous Disinfection ]



[ Antimicrobial ]



[ No PPE Required ]



[ Wipe ]



[ Hospital Disinfectant ]



[ Spray ]

# VIROCID™