



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 26, 2017

Tony Herber  
Agent for W.M. Barr & Company  
6750 Lenox Center Court, Suite 200  
Memphis, TN 38115

Subject: Notification per PRN 98-10 – Correcting typos, adding new marketing claims and graphics  
Product Name: **Raptor 5**  
EPA Registration Number: 4091-22  
Application Date: 04/27/17  
Decision Number: 530917

Dear Mr. Herber,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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.

Page 2 of 2  
EPA Reg. No. 4091-22  
Decision No. 530917

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

If you have any questions, you may contact me at 703-305-6440 or via email at [grigsby.stacey@epa.gov](mailto:grigsby.stacey@epa.gov) .

Sincerely,

A handwritten signature in cursive script that reads "Stacey Grigsby".

Stacey Grigsby, Acting Product Manager, 34  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

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

# Raptor 5

[Disinfectant][non-food contact surface Sanitizer][24 Hour Residual Sanitizer][Hard Surface Mildewstat][Fabric Mildewstat][Cleaner][Soap Scum Remover][Bathroom Cleaner][Tub and Tile Cleaner][and][Deodorizer]

KEEP OUT OF REACH OF CHILDREN

### WARNING

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Active Ingredients:

Alkyl* dimethyl benzyl ammonium chloride (*50%C <sub>14</sub> , 40%C <sub>12</sub> , 10%C <sub>16</sub> ).....	0.32%
Didecyl dimethyl ammonium chloride.....	0.24%
Octyl decyl dimethyl ammonium chloride.....	0.12%
Diocetyl dimethyl ammonium chloride.....	0.12%
Citric acid.....	2.50%
Other ingredients.....	96.70%
<hr/> Total: .....	<hr/> 100.00%

EPA Reg. No.: 4091-22

EPA Est. No.: {insert appropriate EPA Est. No}  
[Lot code designates actual Est.]

[Manufactured][Distributed][Sold] [by][for]:  
WM Barr & Company, Inc.  
6750 Lenox Center Court  
Suite 200  
Memphis, TN 38115  
©YYYY WM Barr & Co., Inc.

### NOTIFICATION

4901-22

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/26/2017

Net contents: {Actual contents will be inserted on container label}  
XX FL OZ. (XXXX mL)

Questions [or Comments][?]:  
[Call] [888-326-7743]  
[Mon-Fri 9AM-5PM CT]

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

## PRECAUTIONARY STATEMENTS: Hazards to Humans and Domestic Animals

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

**FIRST AID:** If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. 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. 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 at 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.

[Can be used on] [For use on] {*Insert hard non-porous surfaces from Table 3*} [and many similar household surfaces.]

To Operate: Turn nozzle to preferred usage.

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

DO NOT USE on eating/cooking utensils, glasses/dishes or cookware. Not recommended for use on [unfinished, oiled, or waxed wood surfaces], [wool], [silk], [mirrors], [glass]. [For other surfaces, test in an inconspicuous area.] [Test on an inconspicuous area for colorfastness.] Rinse food contact surfaces with potable water.

Safe for use on:

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

TO CLEAN: Spray on surface(s), allow to penetrate [soil or stain]. Wipe clean with a [damp] cloth [or sponge] [or paper towel].

To DEODORIZE: Spray on surfaces as needed. [Wipe or allow to air dry]

{[Sanitizing] [Directions]}

Hold container 6"-8" from surface and spray until thoroughly wet. For use on hard, nonporous non-food contact surfaces. Preclean heavily soiled surfaces.

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

To Sanitize Hard Non-porous Surfaces FOR 24 HOURS: – Let stand 5 minutes. Allow to air dry. Pre-clean heavily soiled surfaces. [Kills [effective against] [99.9% of] {*Insert residual sanitization bacteria from Table B*} [for 24 hours].]

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

[{Disinfecting} {Directions}]

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

TO DISINFECT [Bacteria][and viruses<sup>†</sup> on]Hard, non-porous surfaces: Let stand for 5 minutes. Then wipe with a [damp] cloth [or sponge][or paper towel]. Pre-clean heavily soiled surfaces. [Kills [effective against] [99.9% of] {Insert disinfection bacteria and viruses from Table A.}]

{Mildew Fungistatic Directions}

TO PREVENT MOLD [AND MILDEW] [growth]:

[Fabric Mildewstat] On [cotton and polyester] Fabrics:

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

Repeat [application] every 28 days to inhibit mold [and mildew] growth. [Effective against *Aspergillus niger* [mildew] and *Penicillium variable.*] Pre-clean heavily soiled surfaces.

[Hard Surface Mildewstat] On hard surfaces:

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

{Storage and Disposal: Residential Containers}

**STORAGE AND DISPOSAL:**

{Nonrefillable containers}

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

{For bottles intended to be refilled by the consumer}

Store in original container in areas inaccessible to children. Keep securely closed. Do not reuse or refill this container except as described in the directions for use. Refill only with this product. Place [container] in trash or offer for recycling.

{Storage and Disposal: Institutional/Commercial Containers}

**STORAGE AND DISPOSAL:**

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

**PESTICIDE STORAGE:**

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

**PESTICIDE DISPOSAL:**

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

**CONTAINER DISPOSAL:**

{For Nonrefillable containers}

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

{or for bottles intended to be refilled by the end-user}

Do not reuse or refill this container except as described in the directions for use. Refill only with this product. [If not refilling] discard in trash or offer for recycling if available.

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

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

**{Packaging Related Claims}**

Buy 1 Get 1 Free

[(Bonus x%)] [Bonus x fl. oz.] [X% More Free] [X fl. oz. Free]

Packaging made with [x%] recycled plastic

New [& Improved]

New fragrance

New Scent

Bonus/X% More Free: [10%] [15%] [20%] [25%] [30%] More fl. ounces per bottle

Refill Size: fills trigger sprayer 3 times

Recyclable bottle

Refillable {to be used on container labels with refilling instructions}

**{Marketing Claims}**

Now -and/or- New [!] and -or- & Improved [!] {To be used as a claim descriptor only for the first 6 months on shelf}

[New] [New & Improved]

New fragrance

New Scent

Complies with VOC laws

Does not contain [chlorine] bleach

No mixing, measuring, [or rinsing] required

Ready to Use

No need to dilute

No need for gloves

Non-abrasive formula

Contains no phosphates

[Microban®] – [Antimicrobial solutions] used by hospitals

Microban [products][have][has] been used in hospitals for over 30 years

Used by hospitals Used in hospitals. Approved [for use] in hospitals

Eliminates [tough] Odors

Bleach-Free [formula]

Powered by Microban [antimicrobial] [technology]

Saves money[time][labor][by cleaning and disinfecting in one step]

Does not contain Triclosan

Will not corrode {insert any use surface from Tables below}

[Microban] a better clean

Powerful [formula][foam] destroys soap scum

Powerful [formula][foam] removes stains

Powerful foaming action for tough cleaning

Power foam for power cleaning

Power foam for tough cleaning

Will not harm septic tanks

**{Fragrance Claims}**

Light [scent], Citrus [scent], Citrus Fresh [scent], Lemon [scent], Lime [scent], Lemon-Lime [scent], Crisp Linen [scent], Linen [scent], Fresh Scent, Clean Meadows [scent], Lavender [scent], Lavender Vanilla [scent], Grapefruit [scent], Red Grapefruit [scent], Orange [scent], Tangerine [scent], Mandarin Orange [scent], Ocean Breeze [scent], Ocean Storm [scent], Ocean Waves [scent], Mountain Fresh [scent], Spring Fresh [scent], Ocean Waters [scent], Spring Garden [scent], Citrus Squeeze [scent], Mint [scent], Eucalyptus Mint [scent], Island Orchard [scent], Island Fresh [scent], Island Mist

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

[scent], Spring Shower [scent], Pear Blossom [scent], Desert Flower [scent], Island Fruit [scent], Cinnamon [scent], Clean Fresh [scent], Clean Burst [scent], Rose [scent], Clean [scent]

### {Cleaning and Deodorizing Claims}

Bathrooms, sinks and faucets and floor areas

Cleans bathroom soils

Cleans everyday messes

Cleans fingerprints

Cleans [up] grime

Compatible with equipment surfaces *{or insert surface/site from Tables 1-3}*

Convenient [ [bathroom] surface cleaner *{insert surface/site from lists below}*

Cuts -and/or- removes [tough] grime

Cuts Tough Grime without Scrubbing

Cuts cleaning time

Deep down clean

Deodorizer -or- Deodorizes

Designed -or- Ideal for daily [cleaning] [use]

Designed – or – Ideal for in home cleaning

Easy [cleaning]

Effective [cleaner -or- cleaning] [formula]

Effectively cleans on [many] [hard] non-porous surfaces

Eliminates odors [as it cleans]

For multiple cleaning tasks

Multipurpose Cleaner

Powerful cleaner

Quickly deodorizes

[Quickly] removes dirt and grime

Ready to use [multi-purpose] [bathroom] [cleaner]

Removes offensive odors from *{insert surface/site from Table 1-3}*

Removes odors

Suitable for everyday use

Tough on grime

Powerful cleaning formula penetrates tough stains

Powers through Grime

Keeps surfaces cleaner longer

Multi-action cleaning power

Cleans and degreases

Cuts through common household dirt and grime

Eliminates musty odors

Multi-surface cleaner

Multi-action cleaning power

Cleans and degreases

Provides a true clean

Provides a clean that lives on

Provides a true clean that lives on

Powers through [Cleans] [Removes] Grime

Powers through [tough] soap scum

Powerful cleaning formula penetrates [eliminates] [removes] tough stains

Cleans [everyday] [tough] messes

Multi-action cleaning power

Cuts through common household dirt and grime

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

[Patented formula is] powerful on dirt [and][&] [can be used on hard, nonporous and fabric surfaces around the house][will not harm surfaces when used as directed]

For the ultimate clean home

Non-abrasive formula

Will not scratch surfaces

for use on [sealed granite] [glazed tile] [sealed stone] [Formica] [composite] [sealed/painted wood] [bathroom surfaces]

Cleans everyday messes

Cuts through [wipes out] tough grease and grime

No smeary residue [left behind]

Leaves no smeary residue

Leaves behind a [light], [clean], [fresh] scent

Destroys odors [at the source]

Prevents odors by killing germs

Quick and Easy Cleaning

[leaves surfaces] Shiny

[An effective] [bathroom][restroom][floor] cleaner

Cuts through [tough] soap scum [without scrubbing]

Removes [tough] soap scum

Dissolves soap scum

Soap scum blaster

Cuts through [dirt], [grime] [and] [soap scum]

Tough on soap scum

Cleans mold and mildew stains

[The mother of all cleaners](#)

### {Sanitizing Claims}

Fast sanitization [against bacteria]

Kills 99.9% of bacteria [in 10 seconds]

[Quick] [Fast] [Rapid] [10 second] [bacterial] [sanitization][Sanitizer]

Kills [99.9%] of {Insert 1 or more organisms from Table B under non-food contact sanitization} [in 10 seconds]

Sanitizer [Sanitizes]

[Quick] [Fast] [Rapid] [10 second] [One Step] [1 Step] Sanitizer [on hard, nonporous surfaces]

[Quick] [Fast] [Rapid] [10 second] [One Step] [1 Step] Non-Food Contact Sanitizer

Cleans and sanitizes [quickly] [in One Step]

Cleans, deodorizes, and sanitizes in one quick [fast] [rapid] step

Fast acting cleaner and Sanitizer

[Antibacterial][Antimicrobial] All-Purpose Cleaner

Antibacterial

Antimicrobial

[Sanitizes in 10 seconds](#)

### {24 Hour Residual Sanitizing Claims}

Kills 99.9% of bacteria for 24 hours on treated surfaces

Keeps surface sanitized for 24 hours

Prevents bacterial growth on treated surfaces for 24 hours

Kills 99.9% of bacteria in 5 minutes, and keeps killing for 24 hours

24 hours of protection from bacteria growth [even in high contact areas]\* \*Even after multiple touches

Continuous antibacterial sanitizing for up to 24 hours

Protects household surfaces from [bacteria] for up to 24 hours



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

Keeps killing 99.9% of bacteria for up to 24 hours even after multiple touches

24 hour bacteria sanitization

[Patented][Patent Pending] formula [continues to work after multiple touches] [for up to 24 hours]

Protects treated surfaces against bacteria between cleanings for up to 24 hours

Sanitizes for up to 24 hours

Scientifically proven to kill bacteria for up to 24 hours

A product that gives you 24 hours peace of mind

24 hour peace of mind

Helps you protect treated hard [non-porous] surfaces from bacteria for 24 hours

[The cleaner that] provides 24 hours of sanitization

[The cleaner that] provides continuous sanitization [for 24 hours]

Protects treated surfaces from what you can't see 24 hours of sanitization [from bacteria growth]\* \*Even after multiple touches

24 hour bacteria sanitization

Persistent antibacterial sanitizing for up to 24 hours

Sanitizes treated [household] [surfaces][select from list][ from bacteria] for up to 24 hours

Protects treated [household surfaces] [select from list] [from bacteria] for 24 hours

[Provides 24 hour residual antibacterial control] [and] 7 day mold and mildew protection]

Provides 24 hour [bacteria] [antimicrobial] sanitization

Provides 24 hour [antimicrobial] [sanitization] [sanitizing] against bacteria

Protects against bacteria between cleanings for 24 hours on treated surfaces

Sanitizes for up to 24 hours

Sanitization that lasts all day

Scientifically proven to kill bacteria for up to 24 hours

A product that gives you [24 hours peace of mind]

[Leaves behind a] bacteria-fighting [shield][coating][surface][barrier] for 24 hours

[Fights][Sanitizes][bacteria]for 24 hours

[The cleaner that] provides 24 hour sanitizing

[The cleaner that] provides 24 hour continuous sanitizing

[Useful] when you want cleaning and [24 hour] sanitizing

Keeps killing [99.9% of bacteria] for up to 24 hours even after multiple touches

Multi-surface cleaner [with][and][&] [24 hour sanitizing]

Multi-purpose cleaner [with][and][&] [24 hour sanitizing]

Helps you [protect][defend][guard] your treated surfaces from bacteria

24 hour sanitizing spray for surface [sanitizing][sanitization]

Surface protection that lives on for 24 hours

Keeps Killing Even After Multiple Touches

Cleans and Sanitizes in One Step

[Microban] Protection that Lives On [for 24 hours]

Tap into the touchable bacteria-fighting power [of this product][Microban24]

24 Hour Bacteria Shield

Withstands the power of touch

Round the clock bacteria protection

Sanitize and protect for 24 hours

Stays cleaner between cleans – up to 24 hours

[This product] keeps killing bacteria even after multiple touches for up to 24 hours

[This product] [is] the ultimate 24 hour bacteria defender

[This product] [is] the only 24 hour sanitizer specifically formulated for your home [it keeps killing, even after multiple touches]

### {Disinfecting Claims}

Broad spectrum [general] disinfectant  
Antibacterial Cleaner  
Cleans as it disinfects  
Cleans, disinfects, and deodorizes  
Destroys bacteria on {insert site from Table 1 or 3}  
Disinfectant [&] Cleaner  
Disinfects and deodorizes  
All in one sanitizing and disinfecting when used as directed  
All in one – cleans, sanitizes & disinfects when used as directed  
Kills odor causing bacteria  
The choice for when you want cleaning and disinfecting  
Helps you maintain a cleaner home  
For the ultimate clean  
[Kills germs<sup>Δ</sup>] for the ultimate clean  
Kills [insert organism(s) from Table A]  
Kills bacteria on {insert surface/site from Table 1 or 3}  
Kills 99.9% of [bacteria] [germs<sup>Δ</sup>][and][viruses<sup>†</sup>]  
Kills 99.9% of bacteria on {insert surface/site from Table 1 or 3}  
Disinfects {insert surface/site from Table 3}  
Disinfects and removes offensive odors from {insert surface/site from Table 3}  
Disinfects bacteria [and] viruses, [in {insert location from Table 3}][on{Insert items from Table 1}]  
Effective against {Insert organisms from Table A under disinfection}  
Eliminates 99.9% of bacteria [germs<sup>Δ</sup>][and] [viruses<sup>†</sup>]  
Eliminates 99.9% of [household] bacteria  
Eliminates 99.9% of [household][bacteria][viruses<sup>†</sup>] [germs<sup>Δ</sup>] [in 5 minutes]  
Eliminates [99.9%] bacteria from {insert surface/site from -Table 1 or 3A}  
Eliminates [99.9%] bacteria [in] [the] [bathroom]  
Kills [99.9% of] bacteria [in one step]  
Kills [99.9% of] bacteria and (&) viruses<sup>†</sup>  
Kills [99.9% of] bacteria for a deep down clean  
Kills [99.9% of] germs<sup>Δ</sup> [including cold and flu viruses<sup>§</sup>]  
Kills [99.9% of] [household] bacteria [in 5 minutes]  
Kills in 5 minutes: [Bacteria:][viruses:<sup>†</sup>]{insert any organism(s) from Table A}  
Kills Viruses<sup>†</sup>  
Kills 99.9% of bacteria and cold and flu viruses<sup>§</sup>  
Kills 99.9% of cold & flu viruses<sup>§</sup>  
Kills the viruses that cause the common cold & flu<sup>§</sup> [including Influenza A virus]  
Kills [Rotavirus] [*Salmonella enterica*] [*Escherichia coli* O157:H7] [*Pseudomonas aeruginosa*] [*Staphylococcus aureus*]  
[Influenza A (H1N1) virus] [Herpes Simplex Virus Type 1&2] [Rhinovirus type 39] [Respiratory Syncytial Virus [(RSV)]]  
Broad spectrum [germ<sup>Δ</sup>][ bacteria] [and] [virus<sup>†</sup>] killer  
Kills odor-causing bacteria  
[Cleans] [and] [disinfects] [in one step]  
Eliminates tough stains and [99.9% of] germs<sup>Δ</sup>  
Helps you maintain a cleaner home  
Helps fight the spread of germs<sup>Δ</sup> [cold & flu viruses<sup>§</sup>] [on treated hard nonporous surfaces]  
[Antibacterial][Bactericidal][Germicidal<sup>†</sup>][Virucidal<sup>†</sup>][Antimicrobial]  
[Antibacterial][Antimicrobial] Multi-Purpose Cleaner  
Eliminates [][bacteria][viruses<sup>†</sup>]  
Eliminates musty odors

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

Kills [bacteria][viruses<sup>†</sup>]

Antibacterial

Antimicrobial

Disinfectant

3 in 1 [Cleans], [Disinfects], [Sanitizes for 24 hours], [Deodorizes]

4 in 1 [Cleans], [Disinfects], [Sanitizes for 24 hours], [Deodorizes]

<sup>†</sup>Kills *Staphylococcus aureus*, *Salmonella enterica*, [*Pseudomonas aeruginosa*] [*Escherichia coli* O157:H7] {and one or more of the following viruses will be listed when making a “germs” claim:} [Rotavirus] [Influenza A (H1N1) virus] [Herpes Simplex Virus Type 1&2] [Respiratory Syncytial Virus [(RSV)]] [Rhinovirus type 39]

### **{Fabric Mildewstat Claims}**

Fabric Mildewstat [fungistat]

Controls [Inhibits][Prevents] the growth of mold [and] [mildew] for [up to] 28 days on fabric

Controls [Inhibits][Prevents] the growth of [fungi][fungus][fungal spores][mold spores][mold & mildew spores] [for [up to] 28 days on fabric]

Controls [Inhibits][Prevents] the growth of mold [and] [mildew] for [up to] 28 days on {Insert one or more of the items in Table 2}

Controls [inhibits] [Prevents] [mold and] mildew growth

Protects [Fabric[s]] [from mildew] for 28 days\* \*soft surfaces

### **{Hard Surface Mildewstat Claims}**

Prevents [mold and mildew growth]

Mildewstat[fungistat]

Controls[Inhibits][Prevents] [the growth of] mold [and] [mildew] for [up to] 7 days on hard surfaces

Controls[Inhibits][Prevents] [the growth of] [fungi][fungus][fungal spores][mold spores][mold & mildew spores] [for [up to] 7 days on hard [bathroom][or kitchen] [or household] surfaces

Controls [Inhibits][Prevents] the growth of mold [and] [mildew] for [up to] 7 days on {Insert one or more of the items in Table 3}

Inhibits growth of mold [& mildew] for 7 days

Prevents [mold and mildew growth] [for [up to] 7 days]

### **{Emerging Viral Pathogens}**

This product [-or-Product Name] this product qualifies for emerging pathogen claims against:

- Enveloped viruses (at a 5 minute contact time)
- Large non-enveloped viruses (at a 5 minute contact time)

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

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

### **{Use Sites}**

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

{Table 1: Hard Nonporous Surface Types}

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

{Table 2: Fabric Mildewstat Use sites/surfaces}

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

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

Bathroom	Dining room	Mud room	Kitchen
Bedroom	Home[House]	Nursery	Garage
High-touch areas	Powder room	Basement	Living room
Acute Care Institutions	Bathroom Fixtures	Hotel Rooms	Assisted Living Facilities
Bathtubs	Campers	Cruise ship [surfaces] [equipment] [s]	Cruise ship surfaces
Airports	Bed [Frames] [railings]	Campground Cars	Curing Lights
Vanity top	Bed pans	Alternate Care Institutions	CAT Scan [equipment] [rooms]
Ambulance[s] [equipment] [surfaces]	Benches	Anesthesia rooms	Cutting Tools
Blood banks	Carts	Central Service Areas	Day Care Centers
Cervical collars	Blinds	Central Supply Rooms	Delivery Trucks
Animal Care Facilities	Dental [Chairs] [offices] [operatory rooms]	Clean rooms	Clinics
Animal Equipment	Dialysis [Centers] [machines]	Chairs	Nurse call [button] [device]
Animal Hospitals	Boats	Changing Tables – or- Areas	Emergency vehicles
Animal Labs	Commercial Building	Hotels	Department Stores
Animal Life Science Laboratories	Bowling Alleys	Acute care institutions	Desks

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

Auto Repair Centers	Hospital[s] [beds]	Medical offices	Desktops
Automatic Teller Machine (ATM)	Breeding and Grooming Establishments	Computer Manufacturing Sites	Barges
Automatic Feeders	[Nylon][Hair] Brushes	Coated Mattresses	EMS & Fire Facilities
Banks	Buckets	Coated Pillows	Diaper Pails
Barber/Beauty Shops	Buses	Combs	Elder Care Centers
Bars	Newborn Nurseries	Computer keyboards	Dispensing & Filling Equipment
Basements and crawl spaces	Medical Research Facilities	Clippers	Dog/Cat Animal Kennels
Dressing Carts	Isolation [Areas] [wards]	Computer peripheral[s]	[Door] [Cabinet] [Appliance] Knobs [Frames]
Dressing Rooms	Bathroom [Counter] tops	Cabinet[s] [Cupboard[s]] [Handles]	Neonatal units
Drinking Fountains (nonfood contact areas)	Countertops	Convenience Stores	IV Poles
Drone[s][peripherals] [equipment]	Drawer Pulls	Conveyer Belt (non-food contact)	Drain Boards
Operating Room[s] [lights] [surfaces][tables]	Folding Tables	Hard, nonporous surfaces	Massage/Facial Salons
Ultrasonic Baths	Plastic surfaces	Appliance exteriors	Neck Braces
Ophthalmic/ Optometric facilities	Life Care Retirement Communities	Tweezers	Polyurethane keyboard covers
Recovery Room	Food Processing Plants (nonfood contact areas)	Exam [rooms] [tables]	Examination [rooms] [tables]
Respiratory Therapy centers	Food Storage Areas	Household and Automotive Garages	Mobile Homes
[Empty] Diaper Pails	Government facilities[spaces]	Housekeeping & Janitorial Rooms	Movie Houses
Grocery Carts and Stores	Footboards	Ultrasound transducers and probes	External surfaces of medical equipment
Equine Farms	Orthopedic Clinics	Light fixture[s]	Museums
[Surgery] [Operating] [OR] Rooms	Garbage Cans	Radiology rooms	External surfaces of respiratory equipment
Polyvinyl splash aprons	Gift Shops	Mammography equipment	Hospices
Exercise Machines	Glass	Kennel Runs	Oxygen hoods
Hair/Nail/Pedicure Salons	Vet Offices or Hospitals	Kennels	Phlebotomy trays
Hair Clippers	Greenhouses	Kindergarten classrooms	Physician Offices
Finished Baseboard	Grill exteriors	Labs	Nurseries
Office[s] [Building[s]] [Equipment]	Physical therapy [rooms] [areas]	Large inflatable, non-porous plastic and rubber structures	Surgical Centers
Exterior Surfaces of Air Vents or Air Vent Exteriors	X-ray [labs] [tables] [equipment]	Laundries	Obstacle Course Play and Exercise Equipment
Manicure/ pedicure tools	Razor[s] [Trimmer] [Blades]	Vet or Veterinary Clinic Surfaces	Livestock[pork][poultry] [beef][ostrich][bison][emu] Premises
Traction Devices	Headboards	Flower Pots	
Fire Trucks	Health Clubs	Lifts	Oxygen Hoods
Flats	Sinks	Slides	Exterior surfaces of Urinals

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

Feed Racks	Helicopters	Litter boxes	Vanities
Public Spaces	Home Health Care	Locker Rooms	Outdoor Areas and Furniture
Photocopy Centers	Handrails	Slit Lamps	Libraries
Patio furniture	Reception Counters or Desks or Areas	Soap dispensers	Veterinary Clinics
Pedicure Basins	Recreational sporting [snow][water] equipment	Solar energy equipment[panel]	Veterinary Offices
Pens	Pet Shops	Spas	Video Stores
Performance/ Theater Centers	Recreational Facilities	Spine Backboards	Walkways
Pet Animal Quarters	Recycling Bins and Centers	Spittoons	Walls
Playpens	Shopping Malls	Sports Arenas	Washable Nail Files
Sports Complexes	Washable Walls	Stalls	Washing Areas
Unit Stools	Restrooms	Plumbing Fixtures	Washing machines
Trains	Restroom Fixtures	Storage areas	Watercraft
Exterior Toilet Bowl Surfaces	Retail and Wholesale Establishments	Stovetops	Wheelchairs
Piano keys	Robot[s]	Stretchers	High Touch Surfaces
Picnic Facilities	RV's	Strollers	Zoos
Pipeless Foot Spas	Satellite[s]	Supermarkets	Tools
Pipes	Salons	Tables	Touch Screen[s]
Plastic Rollers	Scales	Tack Shops	Windowsills
Playground Equipment	Schools	Surfaces of Tank Trucks	Work Areas
Playroom	Scissors	Surfaces of Tankers	Post Offices
Police Cars	Ships	Counter[top]s	Troughs
Portable and Chemical Toilets and Latrine Buckets	Recycled materials [polymers][textiles][fibers]	Trash [Barrels][Cans][Containers]	[Toilet] [Urinal] Exterior[s] [Surfaces]
Preschools	Steps	Taverns	Toy Factories
Mobile Homes	Trucks	Tires	Toilet [Seats]
TV Remote Controls	Trailers	Taxis	Refrigerator exteriors
Shower [Curtains] [doors] [stalls]	Exterior surfaces of Toilets	Telephone[s] [Booths] [Cradles]	Tanning [Beds] [equipment] [salons] [spas]

**{For product labels with medical devices listed on the label, the following statement will be used:}**

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream, or normally sterile areas of the body, or (2) contacts intact mucous membranes, but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

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

Use to disinfect and clean hard, nonporous surfaces such as feeding and watering equipment, cages, utensils, instruments, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings, and manure from walls, floors, and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering equipment. Pre-clean all surfaces with soap or detergent and rinse with water. Spray surface until completely wet and let stand for fiveone (51) minutes~~for bacteria and [and 5 minutes for Rotavirus]~~. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treated

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surfaces have been thoroughly rinsed with water and allowed to dry. Thoroughly scrub all treating, feeding, and watering appliances with soap or detergent, and rinse with potable water before re-use.

{Table A: List of Disinfection Organisms}

Disinfection			
Contact Time	Bacteria		
5 minutes	<i>Pseudomonas aeruginosa</i>	[ATCC 15442]	
	<i>Salmonella enterica</i>	[ATCC 10708]	
	<i>Staphylococcus aureus</i>	[ATCC 6538]	
	<i>Escherichia coli</i> O157:H7	[ATCC 43888]	
	Viruses <sup>†</sup>		
	<sup>†</sup> Rhinovirus type 39 <sup>§</sup>	[Strain 209]	[ATCC VR-340]
	<sup>†</sup> Herpes Simplex virus type 1	[Strain F(1)]	[ATCC VR-733]
	<sup>†</sup> Herpes Simplex virus type 2	[Strain G]	[ATCC VR-734]
	<sup>†</sup> Influenza A H1N1 [2009 H1N1] <sup>§</sup>	[Strain A/Mexico/4108/2009]	[CDC 2009712192]
	<sup>†</sup> Respiratory Syncytial Virus [RSV] <sup>§</sup>	[Strain Long]	[ATCC VR-26]
<sup>†</sup> Rotavirus	[Strain WA]	[ATCC VR-2018]	

{Table B: List of Sanitization Organisms}

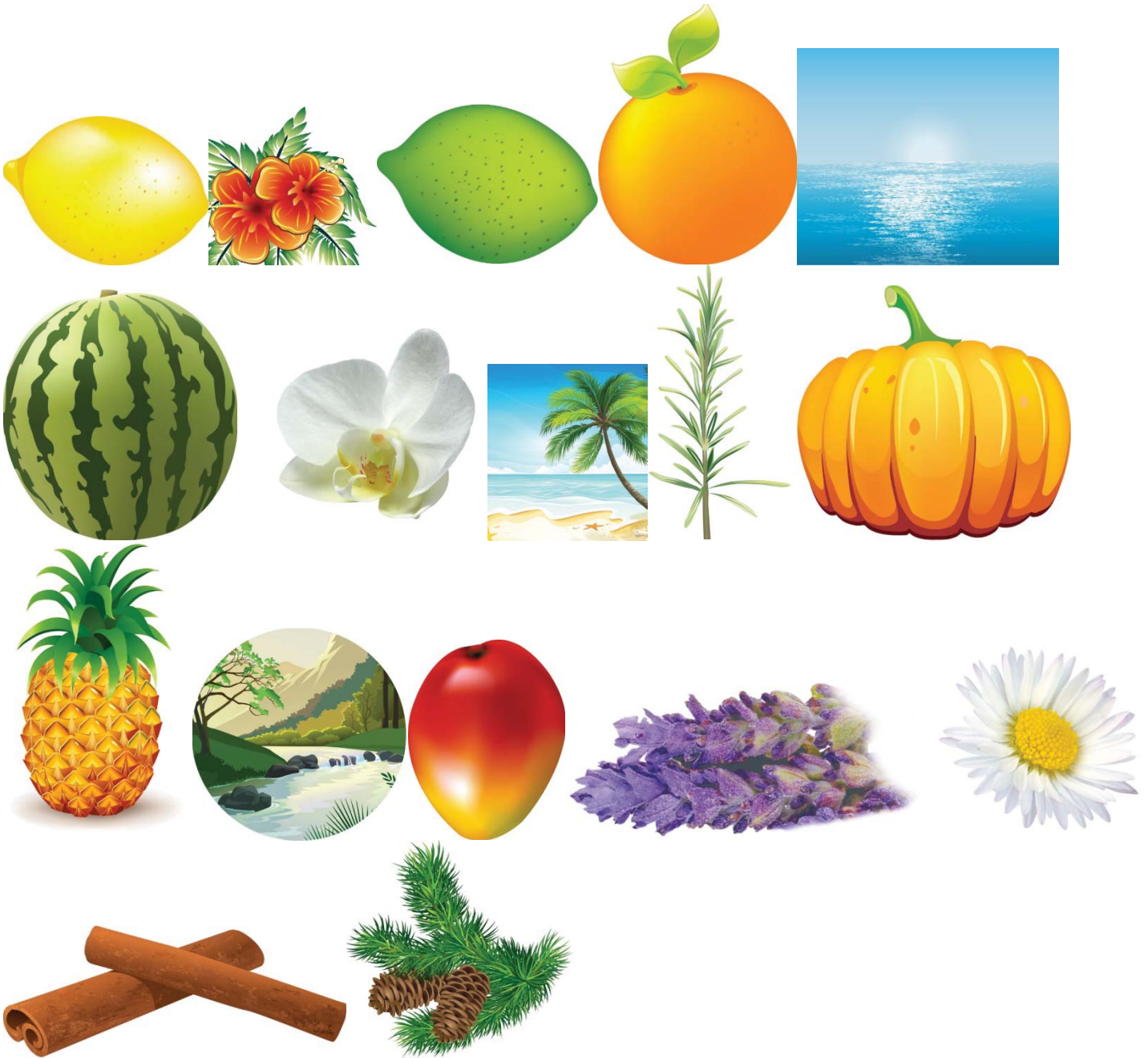
Sanitization		
Hard, Non-porous Non-Food Contact Sanitization		
Contact Time 10 seconds	<i>Enterobacter aerogenes</i>	[ATCC 13048]
	<i>Staphylococcus aureus</i>	[ATCC 6538]
Residual Sanitization		
Contact Time 5 minutes	<i>Enterobacter aerogenes</i>	[ATCC 13048]
	<i>Staphylococcus aureus</i>	[ATCC 6538]

{Table C: List of Fungistat Organisms}

Mildew Fungistat		
Duration	Hard Surface Mildewstat/Fungistat	
7 days	<i>Aspergillus niger</i>	[ATCC 6275]
Fabric Mildewstat/Fungistat		
28 days	<i>Aspergillus niger</i>	[ATCC 6275]
	<i>Penicillium variable</i>	[ATCC 32333]

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{Optional Pictograms- Usage and Use Sites/Surfaces}





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