

70627-2

06/17/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

Kresti A. Lyddon,  
Johnson Diversity,  
8310 16<sup>th</sup> Street,  
P.O. Box 902,  
Sturtevant, WI 53177-0902

JUN 17 2010

Subject: Disinfectant D.C. 100  
EPA Registration No.: 70627-2  
Notification Date: May 18, 2010  
EPA Receipt Date: May 19, 2010  
Submission #: 875432

Dear Ms. Lyddon,

This letter acknowledges receipt of your notification submitted under the provision of FIFRA section 3(c)9 and PR Notice 98-10.

**Proposed Notification:**

- 1) Add H1N1 Label Claim
- 2) Add the word "virus" after all viruses on the label not already using the word in their name
- 3) Add the phrase "on hard nonporous surfaces" per California DPR requirements
- 4) Remove the brand name and replace it with the term "this product" throughout the label text

**General Comments**

Based on a review of the submitted materials, your notification for Disinfectant D.C. 100, registration No., "70627-24" is acceptable.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233 or Jamil Mixon at (703) 308-8032.

Sincerely,

Velma Noble  
Product Manager -31  
Regulatory Management Branch  
Antimicrobials Division (7510P)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							



United States  
**Environmental Protection Agency**  
Washington, DC 20460

<input type="checkbox"/> Registration
<input type="checkbox"/> Amendment
<input checked="" type="checkbox"/> Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number <b>70627-2</b>	2. EPA Product Manager <b>Velma Noble</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Disinfectant DC 100</b>	PM# <b>31</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>JohnsonDiversey, Inc. 8310 16<sup>th</sup> Street, MS 707 Sturtevant, WI 53177-1964</b> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3 (c) (3) (b) (i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional Page(s) if necessary. (For section I and Section II)

Label Notification to add Influenza H1N1 claim, to add the word "virus" after all viruses on the label not already using the word in their name and to add the phrase "on hard nonporous surfaces" in the malodors section, per California DPR requirements, and to remove the brand name and replace it with the term "this product" throughout the label text.

Fee statement: no fee required.

Contact Information: kresti.Lyddon@johnsondiversevy.com or Kresti A. Lyddon, fax: 262-631-2731  
Secondary Contact: Lisa Amadio, 262-631-4241

### Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. _____ No. per Container _____	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Package wgt. _____ No. Per Container _____	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* <b>Certification must be submitted</b>			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container <b>32 &amp; 64 oz, 2.5 L, 1, 5 &amp; 55 gal</b>	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application.)		
Name <b>Kresti A. Lyddon</b>	Title <b>Senior Registration Specialist</b>	Telephone No. (Include Area Code) <b>262-631-4930</b>
<b>Certification</b> I certify that the statements which I have made on this form and all attachments are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title <b>Senior Registration Specialist</b>	
4. Typed Name <b>Kresti A. Lyddon</b>	5. Date <b>May 18, 2010</b>	

JohnsonDiversey, Inc.  
8310 16th Street  
P.O. Box 902  
Sturtevant, WI 53177-0902  
Tel: 262 631 4001

**JohnsonDiversey**  
Clean is just the beginning



May 18, 2010

Office of Pesticide Programs (Amendment - No Fee)  
U. S. Environmental Protection Agency  
Attn: Ms. Velma Noble  
Antimicrobial Division (7510P)  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

COURIER

Dear Ms. Noble:

Subject: Label Notification for Disinfectant DC 100  
EPA Reg. No. - 70627-2

JohnsonDiversey, Inc. is submitting a label notification to add Influenza H1N1 efficacy claims to the above-referenced product in accordance with PR Notice 98-10. We have removed the product brand name from the text of the label and replaced it with the term "this product". We also added the clarifying phrase "on hard, nonporous surfaces" to the Malodor statement on pages 5 and 12 per the request of California DPR. Additionally, we have added the word virus to all viruses on the label, also at the request of California DPR. The following documents are included in support of this notification:

- An Application Form (EPA Form 8570-1).
- Two (2) copies of the proposed label (One copy with changes highlighted)
- Electronic copy of the label with certification
- Certification of Compliance with PR Notice 98-10

If you have any questions or need additional information for this label notification, please contact me at 262-631-4830 or [kresti.lyddon@diversey.com](mailto:kresti.lyddon@diversey.com).

Best regards,



Kresti A. Lyddon  
Senior Registration Specialist

Enclosures

May 18, 2010

This Notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.



Kresti A. Lyddon  
Senior Registration Specialist

Disinfectant D.C. 100  
EPA Reg. No. – 70627-2

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

MARKED COPY

JohnsonDiversey



**DISINFECTANT D.C. 100**

READY-TO-USE DISINFECTANT DEODORIZING CLEANER

- Cleaner • Deodorizer • Disinfectant • Tuberculocidal •\*Virucide
  - Fungicide (against pathogenic fungi) • Mildewstat (on hard non-porous surfaces)
- Meets OSHA Bloodborne Pathogen Standard for HBV & HIV

For (Hospital,) (Commercial) (Industrial) & Institutional Use (Only)

<b>ACTIVE INGREDIENTS:</b>	
n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides.....	0.105%
n-Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides.....	0.105%
<b>INERT (OTHER) INGREDIENTS:</b> .....	<b>99.790%</b>
<b>TOTAL:</b> .....	<b>100.000%</b>

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

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

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

Net Contents:

(Product of U.S.A.)

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

MARKED COPY

This product is designed specifically as a general non-acid cleaner and disinfectant for use in hospitals, nursing homes, schools and hotels. It is formulated to disinfect (the following) (hard non-porous environmental surfaces such as walls, metal surfaces, stainless steel surfaces, sink tops, tables, chairs, telephones, glazed ceramic tile in bathrooms, shower stalls, bathtubs, and cabinets. May be used in the kitchen on counters, sinks, appliances, and stovetops. A rinse with potable water is required for surfaces in direct contact with food. Do not use on eating utensils, plates or glasses. In addition, this product deodorizes those areas, which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, basements, restrooms and other areas, which are prone to odors caused by microorganisms.

**(FEATURES, CLAIMS & USES:)**

**(General disinfectant cleaner:)**

This product is a ready-to-use, non-abrasive germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting (deodorizing) (and controlling mold and mildew on) hard, non-porous inanimate surfaces. Quickly removes dirt, grime, mold, mildew and other common soils found in hospitals, nursing homes, schools and colleges, (day care centers), (medical) offices, funeral homes, veterinary clinics, pet shops, (equine farms), animal life science laboratories, hotels, motels, public restrooms, food processing plants, and food service establishments (restaurants). Use it on all hard, non-porous inanimate (restroom) surfaces.

It is designed for use on (Use daily on) the following hard, non-porous inanimate surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, laminated surfaces and baked enamel surfaces associated with walls, ceilings, tables, chairs, countertops, exterior surfaces of microwave ovens, kitchen areas, telephones, fixtures, glazed tile, toilets, urinals, sinks, shower rooms and locker rooms areas - any washable food and non-food contact surface where disinfection is required. A potable water rinse is required for all food contact surfaces. It (also) eliminates odors leaving (restroom) surfaces smelling clean and fresh. Use where odors are a problem. This product must not be used to clean the following surfaces: utensils, glassware, and dishes.

**(Hospitals/Health Care Facilities:)**

This product is a one-step (hospital-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting (deodorizing) (and controlling mold and mildew on) (of) hard, non-porous inanimate surfaces. Quickly removes dirt, grime, mold, mildew, food residue, blood and other organic matter commonly found in hospitals (in health care facilities) (on medical surfaces). It (also) eliminates odors leaving (restroom) surfaces smelling clean and fresh. Use where odors are a problem.

This product cleans, disinfects and deodorizes hard, non-porous inanimate (hospital (medical) surfaces) in one step (with no rinsing required). Use daily on the following hard, non-porous inanimate surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, laminated surfaces and baked enamel surfaces associated with walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, urinals, sinks found in (health care facilities [hospitals],) patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. (It can also be used to pre-clean and disinfect hospital items such as wheelchairs, [hospital] [patient] bed rails and linings, wash basins, bed pans, medical equipment surfaces) - any washable (non-food contact) surface where disinfection is required. A potable water rinse is required for all food contact surfaces. This product must not be used to clean the following surfaces: utensils, glassware, and dishes.

**(Food Service:)**

This product can be used to clean food contact surfaces as well as the rest room and general areas. Quickly removes dirt, grime and food soils in food preparation and processing areas. Its non-abrasive formula will not harm (scratch) surfaces. It cleans, disinfects and eliminates odors leaving surfaces smelling clean and fresh. Use where odors are a problem.

Its non-abrasive formula is designed for use on (Use daily on) the following hard, non-porous inanimate surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, aluminum, stainless steel, brass, copper, laminated surfaces and baked enamel surfaces (associated with walls, ceilings, tables, chairs, countertops, fixtures, glazed tile, toilets, (toilet bowls), urinals, sinks found in food establishments, (restaurants), (commercial kitchens) & restrooms - any washable (food and non-food contact) surface (where disinfection is required). A potable water rinse is required for all food contact surfaces. This product must not be used to clean the following surfaces: utensils, glassware, and dishes.

**(Animal Housing Facilities:)**

This product removes dirt, grime, mold, mildew, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It (also) eliminates odors leaving surfaces smelling clean and fresh.

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

**(Public Restrooms:)**

This product is a one-step ready-to-use disinfectant cleaner and deodorant (odor-counteractant) (odor-neutralizer) designed for general cleaning, (and) (disinfecting) (deodorizing) (and controlling mold and mildew) on hard, non-porous inanimate surfaces.

It cleans, disinfects and deodorizes surfaces by killing odor-causing microorganisms and prevents (inhibits) (controls) the growth of mold and mildew. It's non-abrasive formula is designed for use on (restroom surfaces): glazed ceramic (restroom) glazed tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

**(Non-Acid Bowl [& Bathroom] Disinfectant Cleaner:)**

This product is (also) a (ready-to-use) non-acid (bowl and) bathroom cleaner which cleans, disinfects and deodorizes in one easy step. Simply apply it like you would a non-acid bowl cleaner. It cleans, disinfects and deodorizes toilet bowls, urinals, rims, sinks, sink basins, faucets, tubs, glazed tiles, glazed ceramic, glazed porcelain, chrome, stainless steel, and all non-porous inanimate surfaces found in the bathroom (restroom) (in the presence of organic soil).

It eliminates odors leaving bathrooms (restrooms) smelling clean and fresh. Use where odors are a problem. It cleans, disinfects and deodorizes surfaces by killing odor-causing microorganisms and prevents (inhibits) (controls) the growth of mold and mildew. Its non-abrasive formula is designed for use (Use it daily) on (restroom surfaces): glass, glazed ceramic (restroom) glazed tile, glazed porcelain, chrome, stainless steel, and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

**(Refill)**

**To Refill Product From Large Containers Into Smaller Containers:**

This product may be used to fill and refill clean, properly labeled containers for use elsewhere within your facility.

1. Make sure the small container has been cleaned, dried and properly labeled. Also make sure other items (such as funnels or hand pumps) are properly cleaned and dried.
2. To refill, simply pour (or pump product) from the larger container directly into the smaller one being careful not to spill any product.
3. Keep both containers sealed when not in use.

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

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**(CLAIMS:)**

When used as directed, this product (contains 2100 ppm of active germicide making it) (is) highly effective against a wide variety (broad-spectrum) of pathogenic microorganisms (including bacteria, antibiotic resistant bacteria, viruses, fungi, mold and mildew. See reference sheet (enclosed in each case) for a complete list of organisms).

**Using approved AOAC test methods (under Good Laboratory Practices, [GLP's]), in the presence of 10% serum load and 3 minute contact time (unless otherwise noted); this product kills the following on hard non-porous inanimate (environmental) surfaces:**

**Bacteria (Bactericidal Activity):**

*Pseudomonas aeruginosa*, (ATCC 15442)  
*Staphylococcus aureus*, (ATCC 6538)  
*Salmonella enterica*, (ATCC 10708)  
formerly known as *Salmonella choleraesuis*  
*Acinetobacter calcoaceticus*, (ATCC 23055)  
*Burkholderia cepacia*, (ATCC 25416)  
formerly known as *Pseudomonas cepacia*  
*Brevibacterium ammoniagenes*, (ATCC 6872)  
*Campylobacter fetus*, (ATCC 27374)  
*Campylobacter jejuni*, (ATCC 29428)  
  
*Citrobacter freundii*, (ATCC 8090)  
*Enterobacter aerogenes*, (ATCC 13048)  
*Enterobacter agglomerans*, (ATCC 27155)

*Enterococcus faecalis*, (ATCC 19433)  
formerly known as *Streptococcus faecalis*  
*Enterococcus hirae*, (ATCC 10541)  
*Escherichia coli*, (ATCC 11229)  
  
*Escherichia coli* 0157:H7, (ATCC 43890)  
*Haemophilus influenza*, (ATCC 10211)  
*Klebsiella pneumoniae*, (ATCC 13883)  
*Legionella pneumophila*, (ATCC 33153)  
  
*Listeria monocytogenes*, (ATCC 15313)  
*Micrococcus luteus*, (ATCC 4698)  
  
*Morganella morganii*, (ATCC 25830)  
*Neisseria gonorrhoeae*, (ATCC 43069)  
*Pasteurella multocida*, (ATCC 43137)

*Proteus mirabilis*, (ATCC 33583)  
*Proteus vulgaris*, (ATCC 13315)  
*Pseudomonas fluorescens*, (ATCC 13525)  
*Salmonella enteritidis*, (ATCC 4931)  
  
*Salmonella schottmuelleri*, (ATCC 10719)  
*Salmonella typhi*, (ATCC 6539)  
*Serratia liquefaciens*, (ATCC 35551)  
*Shigella dysenteriae*, (ATCC 13313)  
  
*Shigella flexneri*, (ATCC 9380)  
*Streptococcus pyogenes* (Necrotizing Fasciitis) - Group A, (clinical isolate)  
*Vibrio cholera*, (ATCC 11623)  
*Yersinia enterocolitica*, (ATCC 23715)

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

*Enterococcus faecalis*, (ATCC 51299);  
(Resistant to Vancomycin [VRE])  
  
*Staphylococcus aureus*, (ATCC 33591)  
(Resistant to Methicillin [MRSA])

*Staphylococcus epidermidis*, (ATCC 51625);  
(Resistant to Methicillin [MRSE])  
  
Community Associated Methicillin Resistant  
*Staphylococcus aureus* (CA-MRSA),  
(NRS 123) Genotype USA400

*Streptococcus pneumoniae*, (ATCC 51915);  
(Resistant to Penicillin [PRSP])  
Community Associated Methicillin  
Resistant *Staphylococcus aureus* (CA-MRSA), (NRS 384) Genotype USA300

**\*Viruses (\*Virucidal Activity):**

\*Adenovirus Type 2, (VR-846)  
  
\*Herpes Simplex Virus Type 1 (HSV-1), (VR-733)  
\*Herpes Simplex Virus Type 2 (HSV-2), (VR-734)

\*Influenza Virus Type A<sub>2</sub> (Hong Kong), (VR-544)  
\*Poliovirus Type 1, (VR-192)  
\*Rhinovirus Type 39, (VR-340)

\*Respiratory syncytial virus, (VR-26)  
\*Rotavirus, (Strain WA)

Kills Norwalk virus and Feline Calicivirus when used as directed on hard, non-porous inanimate surfaces with a 30 second contact time.

Kills \*Hepatitis B Virus (HBV), \*Hepatitis C Virus (HCV) and \*HIV-1 (AIDS virus) (HTLV-III<sub>B</sub>) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

Kills \*Human Coronavirus, (VR-740) when used as directed on hard, non-porous inanimate surfaces with a 2 minute contact time.

Kills \*Hepatitis A Virus (HAV) when used as directed on hard, non-porous inanimate surfaces with a 10 minute contact time.

**(Veterinary \*viruses:)**

\*Avian Influenza Virus, (VR-2072)  
\*Canine parvovirus, (VR-2017)

\*Feline panleukopenia Virus, (VR-648)

\*Pseudorabies Virus, (VR-135)

**Fungi/Yeast (Fungicidal and Yeast Activity):**

*Aspergillus niger*, (ATCC 16404)

*Candida albicans*, (ATCC 18804)

*Trichophyton mentagrophytes*, (ATCC 9533)

**Tuberculocidal Activity** – This product exhibits disinfectant efficacy against *Mycobacterium tuberculosis* (BCG) in 5 minutes at 20° C when used as directed on previously cleaned hard non-porous environmental surfaces.

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

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**Fungicidal Activity** - This product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (the fungus which causes Athlete's Foot Fungus) in 3 minutes when used as directed on hard surfaces found in bathrooms, shower stalls, locker rooms, or other clean, non-porous, hard surfaces commonly contacted by bare feet.

**Mold/Mildew Mildewstatic Activity - controls and prevents (inhibits) the growth of mold and mildew:** *Aspergillus niger* (ATCC 6275) (and the odors caused by them when applied to hard, non-porous environmental surfaces).

**Non-Food Contact Surface Sanitizer for hard non-porous surfaces** – effective against *Enterobacter aerogenes* (ATCC 15038) and *Staphylococcus aureus* (ATCC 6538) in 30 seconds.

**Malodor(s) (Activity) (Counteractancy)** – eliminates (destroys) odors and odor-causing bacteria on hard, nonporous surfaces in restroom areas, behind and under sinks and counters, and storage areas (and other places where bacterial growth can cause malodors).

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

- \*Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. (This product or product name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against Avian Influenza, (VR-2072), and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- \*This product has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- \*This product has demonstrated effectiveness against Avian Influenza, (VR-2072) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- \*Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).
- \*Kills Pandemic 2009 H1N1 Influenza A virus.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

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

**Disinfection, Deodorizing and Cleaning** - Remove gross filth or heavy soil prior to application of the product. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow product to saturate the surface and remain wet for 3 minutes. For Hepatitis A Virus, let surface remain wet for 10 minutes. Wipe off with a clean cloth, mop or sponge. A rinse with potable water is required for surfaces in direct contact with food. This product must not be used to disinfect or clean utensils, glassware and dishes.

**To Use as a Tuberculocide:** Remove gross filth or heavy soil prior to application of the product. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow product to saturate the surface and remain wet for 5 minutes. Wipe off with a clean cloth, mop or sponge.

**To kill Norwalk virus and Feline Calicivirus:** Remove gross filth or heavy soil prior to application of the product. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow product to saturate the surface and remain wet for 30 seconds. Wipe off with a clean cloth, mop or sponge. A rinse with potable water is required for surfaces in direct contact with food. This product must not be used to disinfect or clean utensils, glassware and dishes.

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

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**For use as a (General) Cleaner and/or Deodorizer:**

1. Hold bottle upright.
2. Spray evenly over hard, non-porous surface to be cleaned.
3. Wipe with clean cloth, sponge or paper towel. For heavily soiled areas or stubborn spots, let solution stay on the surface longer before wiping.

**For use as a Cleaner/Disinfectant:**

1. Spray evenly over surface. Be sure to wet all surfaces thoroughly.
2. Let this product remain on surface for three (3) minutes. For Hepatitis A, let surface remain wet for 10 minutes.
3. Wipe with clean cloth, sponge or paper towel.
4. For heavily soiled areas, thoroughly clean surface prior to disinfecting.

Note: All food contact surfaces such as kitchen counters and tables used for food preparation, appliances and sinks must be rinsed thoroughly with potable water after disinfecting. This product must not be used to clean the following surfaces: utensils, glassware, and dishes.

**For use in Food Processing Plants:**

1. Before using this product in food processing areas, food products and packaging materials must be removed from the room or carefully protected.
2. Spray evenly over surface. Be sure to wet all surfaces thoroughly.
3. Let this product remain on surface for three (3) minutes. For Hepatitis A, let surface remain wet for 10 minutes.
4. Wipe with clean cloth, sponge or paper towel.
5. For heavily soiled areas, thoroughly clean surface prior to disinfecting.
6. When disinfecting food contact surfaces such as kitchen counters and tables used for food preparation, appliances and sinks, then thoroughly rinse surfaces with potable water. This product must not be used to clean the following surfaces: utensils, glassware, and dishes.

**For use as a Non-Acid Cleaner/Disinfectant for Toilet Bowls and Urinals:**

1. Pre-clean heavily soiled areas.
2. With swab applicator, remove water from bowl by forcing water over trap.
3. Press swab applicator against side of bowl to remove excess water.
4. Apply this product to swab applicator, cloth, mop, sponge or directly to surface.
5. Swab entire surface area especially under the rim.
6. Allow entire surface to remain wet for three (3) minutes. For Hepatitis A, let surface remain wet for 10 minutes.
7. Flush toilet or urinal and rinse swab applicator thoroughly.

**To Sanitize Non-Food Contact Surfaces:**

1. Remove gross filth or heavy soil prior to sanitization.
2. Apply this product until thoroughly wet.
3. Let stand 30 seconds.
4. Then wipe.
5. Not for use on food contact surfaces or on food preparation areas.

**To Control Mold and Mildew:**

1. Apply this product to pre-cleaned hard, non-porous inanimate surfaces.
2. Allow to air dry.
3. Repeat application weekly or when growth reappears.

**To Kill Fungi:**

1. Pre-clean heavily soiled areas.
2. Apply this product to hard, non-porous inanimate surfaces.
3. Allow surface to remain wet for three (3) minutes.
4. Wipe surfaces (and let air dry).

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

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**For Use In Treatment of Animal Housing Facilities:**

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

**\*This product kills HBV, HCV and HIV-1 in one minute on pre-cleaned inanimate surfaces/objects previously soiled with blood/body fluids** in health care settings (Hospitals, Nursing Homes) and other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Hepatitis B Virus, Hepatitis C Virus and Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS).

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

**Personal Protection:** Disposable latex or vinyl gloves, gowns, face masks, and eye coverings as appropriate, must be worn during all cleaning of body fluids, blood, and decontamination procedures.

**Cleaning Procedures:** Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**Contact Time:** Allow surface to remain wet for 1 minute to kill HBV, HCV and HIV-1. For other organisms allow surface to remain wet for 3 minutes, 5 minutes for *Mycobacterium tuberculosis* (BCG) and 10 minutes for HAV.

**Disposal of Infectious Material:** Blood and other body fluids must be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

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**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container and place in locked storage area. Store in a dry place no lower in temperature than 50°F or higher than 120°F.

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

**CONTAINER DISPOSAL:** *(Note to reviewer – One or more of the following paragraphs for Container Disposal will be selected, depending on packaging type:)*

*(If not being refilled with this product,) triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.*

**NONREFILLABLE SEALED CONTAINERS:** *Note to Reviewer: Several of our packaging options are sealed containers or bottles designed to reduce worker exposure to the concentrate. None of these can be triple rinsed because they are closed, sonically welded, sealed containers. The following text will be used on these sealed container types:*

Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in trash.

**NONREFILLABLE NON-RIGID CONTAINERS:** *Note to Reviewer: Several of our packaging options are Bag-in-Box containers (a plastic bag liner supported inside a box) or are flexible bag-type containers. These flexible containers are exempt from the triple rinsing requirements. The following text will be used on these container types:*

Nonrefillable container. Do not reuse or refill this container. Wrap empty container and put in trash.

**SMALL NONREFILLABLE CONTAINERS:** *Note to Reviewer: The following text will be used on rigid, nonrefillable containers small enough to shake (5 gallons or smaller):*

Nonrefillable container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer container for recycling, if available.

(Note to Agency: Text appearing in parenthesis is done to show optional text.)

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**LARGE NONREFILLABLE CONTAINERS:** *Note to Reviewer: One of the following paragraphs will be used on labels for rigid, nonrefillable containers too large to shake (larger than 5 gallons):*

Nonrefillable container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for at least 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer container for reconditioning, if appropriate.

OR

Nonrefillable container. Clean container promptly after emptying. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for reconditioning, if appropriate.

**REFILLABLE CONTAINERS:** *Note to Reviewer: One of the following paragraphs will be used on labels for refillable containers:*

Refillable container. Refill this container with (this brand or brand name) pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

OR

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container prior to final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates.

*(For containers of 5 gallons or 50 lbs. or more)*

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting agency has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IN CASE OF EMERGENCY, CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.

**XXX-XXX-XXXX**

Have the product container or label with you when calling a Poison Control Center or doctor or going in for treatment.

EPA Reg. No. 70627-2

EPA Est.

(Lot Code (letters) indicate(s) establishment number.)

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## DISINFECTANT D.C. 100 REFERENCE SHEET

When used as directed, this product (contains 2100 ppm of active germicide making it) (is) highly effective against a wide variety (broad-spectrum) of pathogenic microorganisms (including bacteria, antibiotic resistant bacteria, viruses, fungi, mold and mildew.

**Using approved AOAC test methods (under Good Laboratory Practices, [GLP's]), in the presence of 10% serum load and 3 minute contact time (unless otherwise noted); this product kills the following on hard non-porous inanimate (environmental) surfaces:**

### **Bacteria (Bactericidal Activity):**

*Pseudomonas aeruginosa*, (ATCC 15442)  
*Staphylococcus aureus*, (ATCC 6538)  
*Salmonella enterica*, (ATCC 10708)  
 formerly known as *Salmonella choleraesuis*  
*Acinetobacter calcoaceticus*, (ATCC 23055)  
*Burkholderia cepacia*, (ATCC 25416)  
 formerly known as *Pseudomonas cepacia*  
*Brevibacterium ammoniagenes*, (ATCC 6872)  
*Campylobacter fetus*, (ATCC 27374)  
*Campylobacter jejuni*, (ATCC 29428)

*Citrobacter freundii*, (ATCC 8090)  
*Enterobacter aerogenes*, (ATCC 13048)  
*Enterobacter agglomerans*, (ATCC 27155)

*Enterococcus faecalis*, (ATCC 19433)  
 formerly known as *Streptococcus faecalis*  
*Enterococcus hirae*, (ATCC 10541)  
*Escherichia coli*, (ATCC 11229)

*Escherichia coli* 0157:H7, (ATCC 43890)  
*Haemophilus influenza*, (ATCC 10211)  
*Klebsiella pneumoniae*, (ATCC 13883)  
*Legionella pneumophila*, (ATCC 33153)

*Listeria monocytogenes*, (ATCC 15313)  
*Micrococcus luteus*, (ATCC 4698)

*Morganella morganii*, (ATCC 25830)  
*Neisseria gonorrhoeae*, (ATCC 43069)  
*Pasteurella multocida*, (ATCC 43137)

*Proteus mirabilis*, (ATCC 33583)  
*Proteus vulgaris*, (ATCC 13315)  
*Pseudomonas fluorescens*, (ATCC 13525)  
*Salmonella enteritidis*, (ATCC 4931)

*Salmonella schottmuelleri*, (ATCC 10719)  
*Salmonella typhi*, (ATCC 6539)  
*Serratia liquefaciens*, (ATCC 35551)  
*Shigella dysenteriae*, (ATCC 13313)

*Shigella flexneri*, (ATCC 9380)  
*Streptococcus pyogenes* (Necrotizing Fasciitis) - Group A, (clinical isolate)  
*Vibrio cholera*, (ATCC 11623)  
*Yersinia enterocolitica*, (ATCC 23715)

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

*Enterococcus faecalis*, (ATCC 51299);  
 (Resistant to Vancomycin [VRE])

*Staphylococcus aureus*, (ATCC 33591)  
 (Resistant to Methicillin [MRSA])

*Staphylococcus epidermidis*, (ATCC 51625);  
 (Resistant to Methicillin [MRSE])

Community Associated Methicillin Resistant  
*Staphylococcus aureus* (CA-MRSA),  
 (NRS 123) Genotype USA400

*Streptococcus pneumoniae*, (ATCC 51915);  
 (Resistant to Penicillin [PRSP])  
 Community Associated Methicillin Resistant  
*Staphylococcus aureus* (CA-MRSA), (NRS 384) Genotype USA300

### **\*Viruses (\*Virucidal Activity):**

\*Adenovirus Type 2, (VR-846)

\*Herpes Simplex Virus Type 1 (HSV-1), (VR-733)

\*Herpes Simplex Virus Type 2 (HSV-2), (VR-734)

\*Influenza Virus Type A<sub>2</sub> (Hong Kong), (VR-544)

\*Poliovirus Type 1, (VR-192)

\*Rhinovirus Type 39, (VR-340)

\*Respiratory syncytial virus, (VR-26)

\*Rotavirus, (Strain WA)

Kills Norwalk virus and Feline Calicivirus when used as directed on hard, non-porous inanimate surfaces with a 30 second contact time.

Kills \*Hepatitis B Virus (HBV), \*Hepatitis C Virus (HCV) and \*HIV-1 (AIDS virus) (HTLV-III<sub>B</sub>) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

Kills \*Human Coronavirus, (VR-740) when used as directed on hard, non-porous inanimate surfaces with a 2 minute contact time.

Kills \*Hepatitis A Virus (HAV) when used as directed on hard, non-porous inanimate surfaces with a 10 minute contact time.

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**(Veterinary \*viruses:)**

\*Avian Influenza Virus, (VR-2072)  
\*Canine parvovirus, (VR-2017)

\*Feline panleukopenia Virus, (VR-648)

\*Pseudorabies Virus, (VR-135)

**Fungi/Yeast (Fungicidal and Yeast Activity):**

*Aspergillus niger*, (ATCC 16404)

*Candida albicans*, (ATCC 18804)

*Trichophyton mentagrophytes*, (ATCC 9533)

**Tuberculocidal Activity** – This product exhibits disinfectant efficacy against *Mycobacterium tuberculosis* (BCG) in 5 minutes at 20° C when used as directed on previously cleaned hard non-porous environmental surfaces.

**Fungicidal Activity** - This product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (the fungus which causes Athlete’s Foot Fungus) in 3 minutes when used as directed on hard surfaces found in bathrooms, shower stalls, locker rooms, or other clean, non-porous, hard surfaces commonly contacted by bare feet.

**Mold/Mildew Mildewstatic Activity - controls and prevents (inhibits) the growth of mold and mildew:** *Aspergillus niger* (ATCC 6275) (and the odors caused by them when applied to hard, non-porous environmental surfaces).

**Non-Food Contact Surface Sanitizer for hard non-porous surfaces** – effective against *Enterobacter aerogenes* (ATCC 15038) and *Staphylococcus aureus* (ATCC 6538) in 30 seconds.

**Malodor(s) (Activity) (Counteractancy)** – eliminates (destroys) odors and odor-causing bacteria on hard, nonporous surfaces in restroom areas, behind and under sinks and counters, and storage areas (and other places where bacterial growth can cause malodors).

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

- \*Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. (This product or product name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against Avian Influenza, (VR-2072), and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- \*This product has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- \*This product has demonstrated effectiveness against Avian Influenza, (VR-2072) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- \*Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).
- \*Kills Pandemic 2009 H1N1 Influenza A virus.

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