

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

U.S. ENVIRONMENTAL PROTECTION  
AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510C)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:

5736-61

Date of Issuance:

AUG 14 2007

Term of Issuance:

Conditional

Name of Pesticide Product:

HDC V2 1:64

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

JohnsonDiversey, Inc.  
8310 16<sup>th</sup> Street, MS 486  
Sturtevant, WI 53177-0902

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Number to read, "EPA Reg. No. 5736-61".

Signature of Approving Official:

*Jacqueline M. Noble*  
Jacqueline M. Noble

Product Manager Team-31

Date:

AUG 14 2007

Regulatory Management Branch I

## CONCURRENCES

Antimicrobials Division (7510C)

7510C

EPA Form 8570-6

8/10/07

SYMBOL

SURNAME

DATE

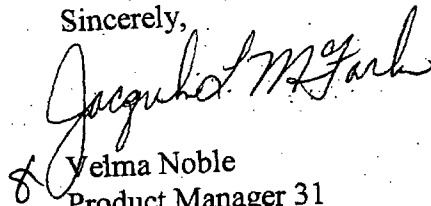
**General Comments**

A stamped copy of the label is enclosed for your records. Submit one (1) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Should you have any questions regarding this registration notice, please contact Velma Noble at (703) 308-6233

Sincerely,



Velma Noble  
Product Manager 31  
Regulatory Branch I  
Antimicrobials Division (7510C)

Enclosure: (Stamped Label)

**CONCURRENCES**

SYMBOL								
SURNAME								
DATE								

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



**HDC V2 1:64**  
**One-Step Disinfectant Cleaner and Deodorant**

Bactericidal • \*Virucidal • Fungicidal • Mildewcidal • (Mildewstatic) • Deodorizer (Odor Counteractant) (Odor Neutralizer)  
• Non-Dulling To Floors (Floor Finishes) • Concentrate • Ready-to-Dispense (RTD)

(Fragrance Free Formula) (Unscented) (Outdoor Fresh) (Country Breeze) (Spring Orchard) (Country Wildflowers)  
(Fresh [Lemon] [Pine] [Mint] [Spring Fresh] [Floral] [Citrus] [Powder] Scent)  
Meets OSHA Bloodborne Pathogen Standard for HBV & HIV

For (Hospital,) (Foodservice,) (Commercial,) Industrial & Institutional Use (Only)  
(Suitable) For Use in Meat and Poultry Plants

<b>ACTIVE INGREDIENTS:</b>	
Didecyl dimethyl ammonium chloride .....	2.1760%
n-Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) dimethyl benzyl ammonium chloride .....	2.0475%
<b>INERT (OTHER) INGREDIENTS:</b> .....	95.7765%
<b>TOTAL:</b> .....	100.0000%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER:**

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

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

**Net Contents:**

(Product of USA)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

**AUG 14 2007**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. **5736-61**

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

**(MARKETING CLAIMS):** (Note to EPA - This text will only appear on the appropriate container.)

**SOLUTIONS CENTER™** (64 oz. containers) - For use with (JOHNSON WAX PROFESSIONAL™) (SOLUTIONS CENTER™) Brand Dispensing Equipment. Eliminates Mixing. The Accurate Solution To Cleaner Dilution. Disinfectant Cleaning With The Convenience Of (SOLUTIONS CENTER™). (SOLUTIONS CENTER™) (This) packaging offers Reduced Exposure To Concentrate Due To Closed Transfer System. Solutions To Go!

**J-FILL™ DISPENSING SYSTEMS** (84.5 oz. containers) - For use with (JOHNSON WAX PROFESSIONAL™) (J-FILL™) Brand Dispensing Equipment. Eliminates Mixing. The Accurate Solution To Cleaner Dilution. Disinfectant Cleaning With The Convenience Of J-FILL™. J-FILL™ (This) packaging offers Reduced (Reduces) Exposure To Concentrate Due To Closed Transfer System. Solutions To Go!

**RTD™ DISPENSING SYSTEMS** (1.5L & 5L containers) - RTD. Very Simple. Very Smart. Ready-To-Dispense. Provides accuracy. No chemical connections, sealed bottle. Proven dilution control concentrate.

**OUTPOST™ (SINGLE SOLUTION™) DISPENSING SYSTEMS** (2 L containers) - For use with (BUTCHER™) (RAMSEY™)(OUTPOST™) (SINGLE SOLUTION™) Brand Dispensing Equipment. Eliminates Mixing. The Accurate Solution To Cleaner Dilution. (OUTPOST™) (SINGLE SOLUTION™) (This) packaging offers Reduced Exposure To Concentrate Due To Closed Transfer System.

**PRACTICAL SOLUTIONS™** (1 gal. containers) - For use with (BUTCHER™) (RAMSEY™) (PRACTICAL SOLUTIONS™) Brand Dispensing Equipment. Eliminates Mixing. The Accurate Solution To Cleaner Dilution. PRACTICAL SOLUTIONS™ (This) packaging offers Reduced Exposure To Concentrate Due To Closed Transfer System.

**COMMAND CENTER™** (1.5 gal. containers) - For use with (BUTCHER™) (COMMAND CENTER™) Brand Dispensing Equipment. Eliminates Mixing. The Accurate Solution To Cleaner Dilution. COMMAND CENTER™ (This) packaging offers Reduced Exposure To Concentrate Due To Closed Transfer System.

**J-PAK™ CONTAINERS** (Pre-measured packets) - Pre-Measured [Tear-Open] Packets.

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

**(General Uses)**

This product is a one-step (hospital-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew on) (of) hard, non-porous environmental surfaces. It cleans quickly by removing dirt, grime, mold, mildew, body oils 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 areas and restrooms, foodservice establishments (restaurants) and federally inspected meat and poultry establishments (food [processing] plants).

It is designed for use on (Use daily on) (the following) (hard, non-porous environmental surfaces): vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, urinals, sinks, shower rooms and locker room areas - any washable (food and non-food contact) surface where disinfection is required. This product's non-dulling formula eliminates the time and labor normally required for rinsing. A potable water rinse is required for food contact surfaces. Do not use on glasses, dishes and utensils.

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

**(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 environmental surfaces. This product cleans quickly by removing dirt, grime, mold, mildew, food residue, body oils, dead skin, blood and other organic matter commonly found in hospitals (and) (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 environmental hospital (medical) surfaces) in one step (with no rinsing required). Its non-abrasive formula is designed for use on (Use daily on) (the following) hard, non-porous environmental surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, urinals, sinks found in (health care facilities [hospitals],) patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. (It can also be used to pre-clean and disinfect hospital items: wheelchairs, [hospital] [patient] bed rails and linings, wash basins, bed pans, medical equipment surfaces) - any washable (food and non-food contact) surface (where disinfection is required). A potable water rinse is required when disinfecting food contact surfaces. Do not use on glasses, dishes and utensils.

**(Food Service:)**

This product cleans by removing 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: (This product or product name) deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and other areas which are prone to odors caused by microorganisms.

Its non-abrasive formula is designed for use on (Use daily on) (the following) (hard, non-porous environmental surfaces): vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, aluminum, stainless steel, brass, copper, laminated surfaces and baked enamel surfaces (associated with floors, walls, ceilings, tables, chairs, countertops, fixtures, glazed tile, toilets, (toilet bowls), urinals, sinks found in food establishments, (restaurants), (commercial kitchens) & restrooms. A potable water rinse is required for food contact surfaces.

**(Animal Housing Facilities:)**

This product cleans by removing 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.

This product cleans, disinfects and deodorizes (hard, non-porous environmental 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 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 disinfectant cleaner and deodorant (odor-counteractant) (odor-neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew) on hard, non-porous environmental surfaces.

This product cleans, disinfects and deodorizes surfaces by killing odor-causing microorganisms and mold & mildew. Its non-abrasive formula is designed for use on (restroom surfaces:) glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

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

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

This product is a (concentrated) non-acid (bowl and) bathroom cleaner which cleans, disinfects and deodorizes in one easy step. 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 hard non-porous, washable surfaces found in the bathroom (restroom) (in the presence of organic soil).

This product eliminates odors leaving bathrooms (restrooms) smelling clean and fresh. Use where odors are a problem. It cleans, disinfects and deodorizes surfaces by killing many odor-causing microorganisms and mold & mildew. Its non-abrasive formula is designed for use (Use it daily) on ([hard, non-porous environmental] restroom surfaces:) glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

**(Refill)**

**(To Refill Concentrate From Large Containers Into Smaller Containers:)**

This product may be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, simply pour (or pump product) from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

[NOTE TO AGENCY: All unbolded italicized phrases, which appear in the Directions for Use, are explanatory and are not to be considered label text. They are included for clarity to the agency only.]

**(CLAIMS:)**

When used as directed at a 1:64 dilution (2 oz. per gallon of water), this product contains 660 ppm of active quaternary germicide making it 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 400 ppm hard water, 10% serum and 10 minutes contact time, unless otherwise noted, this product kills the following on hard non-porous inanimate surfaces:**

**Bacteria (Bactericidal Activity) - (kills on hard non-porous inanimate surfaces:)**

*Pseudomonas aeruginosa*, (ATCC 15442)  
*Staphylococcus aureus*, (ATCC 6538)  
*Salmonella enterica*, (ATCC 10708)  
formerly known as *Salmonella choleraesuis*  
*Acinetobacter calcoaceticus*, (ATCC 9957)  
*Bordetella bronchiseptica*, (ATCC 10580)  
*Enterobacter cloacae*, (ATCC 23355)  
*Enterococcus faecalis*, (ATCC 19433)  
formerly known as *Streptococcus faecalis*  
*Escherichia coli*, (ATCC 11229)  
*Escherichia coli* 0157:H7, (ATCC 43890)  
*Klebsiella pneumoniae*, (ATCC 13883)

*Legionella pneumophila*, (ATCC 33153)  
*Listeria monocytogenes*, (ATCC 15313)  
*Neisseria gonorrhoeae*, (ATCC 43069)  
*Proteus mirabilis*, (ATCC 9240)  
*Proteus vulgaris*, (ATCC 13315)  
*Pseudomonas diminuta*, (ATCC 11568)  
*Pseudomonas putida*, (ATCC 12633)  
*Pseudomonas stutzeri*, (ATCC 17588)  
*Salmonella schottmuelleri*, (ATCC 10719)  
*Salmonella typhi*, (ATCC 6539)  
*Serratia marcescens*, (ATCC 9103)  
*Shigella dysenteriae*, (ATCC 29026)

*Shigella flexneri*, (ATCC 25875)  
*Shigella sonnei*, (ATCC 25931)  
*Staphylococcus aureus*, (ATCC 25923)  
*Staphylococcus aureus* (Toxic Shock),  
(ATCC 33586)  
*Streptococcus mutans*, (ATCC 25175)  
*Streptococcus pyogenes*, (ATCC 19615)  
*Streptococcus pyogenes* ("Strep A" -  
Flesh Eating Strain), (clinical isolate)  
*Vibrio cholera*, (ATCC 11623)  
*Yersinia enterocolitica*, (ATCC 9610)

**Antibiotic-Resistant (Strains of) Bacteria (Antibiotic-Resistant Bactericidal Activity) - (kills on hard non-porous inanimate surfaces:)**

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

*Staphylococcus aureus*, (CDC HIP-5836),  
(Intermediate Vancomycin Resistance [VISA])

*Staphylococcus aureus*, (ATCC 33592)  
(Resistant to Methicillin [MRSA], Gentamicin  
[GRSA])

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

**Viruses (\*Virucidal Activity) – (kills on hard non-porous inanimate surfaces:)**

Herpes simplex Type 1, (VR-733)	Influenza Type A <sub>2</sub> (Hong Kong), (VR-544)	Vaccinia virus (smallpox vaccine virus), (VR-119)
Herpes simplex Type 2, (VR-734)		

Kills 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 HBV & HCV when used as directed on hard, non-porous inanimate surfaces with a 10 minute contact time.

**(Veterinary viruses:)**

Avian Influenza, (VR -2072)	New Castle disease, (VR -108)	Transmissible gastroenteritis virus (TGE), (U of Minn. Strain)
Canine distemper, (VR -128)		

**Fungi/Yeast (Fungicidal and Yeast Activity) – (kills on hard non-porous inanimate surfaces:)**

<i>Geotrichum candidum</i> , (ATCC 18301)	<i>Saccharomyces cerevisiae</i> , (ATCC 2601)
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**Using approved AOAC test methods (under Good Laboratory Practices, [GLP's]), in the presence of 400 ppm hard water, 5% serum load and 10 minutes contact time, unless otherwise noted, this product kills the following on hard non-porous inanimate surfaces:**

**Viruses (\*Virucidal Activity) – (kills on hard non-porous inanimate surfaces:)** *Adenovirus Type 2*, (VR-2)

**Fungi/Yeast (Fungicidal and Yeast Activity) – (kills on hard non-porous inanimate surfaces:)**

Fungi: *Aspergillus niger*, (ATCC 6275), *Trichophyton mentagrophytes* (athlete's foot fungus), (ATCC 9533)

Yeast: *Candida albicans*, (ATCC 10231)

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

**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.)

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

**Bactericidal Stability of Use-Dilution -** Tests show this product, when diluted in 400 ppm hard water and in the presence of 5% serum load, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* (formerly known as *Salmonella choleraesuis*) (up to 7 days) (for up to one week) (for up to one month) (for up to 2 months) (for up to 3 months) (up to 4 months) (up to 5 months) (up to 6 months) (up to 7 months) (up to 8 months) (up to 9 months) (up to 10 months) (up to 11 months) (up to 12 months) (up to one year) in storage as long as it remains sealed. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, dry containers when diluting this product.

**(Modes of Application:)**

This product can be applied by mop, sponge, cloth, paper towel, (hand pump) coarse trigger sprayer, auto-scrubber or foam gun (device). Change cloth, sponges or towels frequently to avoid redeposition of soil. For disinfection, all surfaces must remain wet for 10 minutes.

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

## **DIRECTIONS FOR USE:**

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

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.

### **To Prepare Use Solution:**

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

*(Note to EPA: The directions that appear for specific container sizes will be substituted for the sentence above only on that container size.)*

**ACCUMIX™ CONTAINERS** (32 oz. container) - Add the product at 2 oz. per gallon of water (1:64).

**SOLUTIONS CENTER™** (64 oz. containers) - Remove cap and insert cartridge into dispenser. Note: See dispenser instructions for proper cartridge placement. Once cartridge is in place, squeeze the handle or press the button to dispense a 1:64 solution into a bucket, bottle, scrubber or other container.

**J-FILL™ DISPENSING SYSTEMS** (84.5 oz. containers) - Remove cap and insert cartridge into dispenser. Note: See dispenser instructions for proper cartridge placement. Once cartridge is in place, squeeze the handle or press the button to dispense a 1:64 solution into a bucket, bottle, scrubber or other container.

**RTD™ DISPENSING SYSTEMS** (1.5L and/or 5L containers) - Turn off water to connect unit. Attach to water source. Rotate control knob to fill bottle (or bucket). Squeeze handle to dispense a 1:64 solution into a bottle (bucket) (or other container). See device instruction manual for more information.

**OUTPOST™ (SINGLE SOLUTION™) DISPENSING SYSTEMS** (2 L containers) - Remove cap and insert cartridge into dispenser. Note: See dispenser instructions for proper cartridge placement. Once cartridge is in place turn the knob to dispense a 1:64 solution into a bucket, bottle, scrubber or other container.

**PRACTICAL SOLUTIONS™** (1 gal. containers) - Remove cap and insert cartridge into dispenser. Note: See dispenser instructions for proper cartridge placement. Once cartridge is in place, press the button to dispense a 1:64 solution into a bucket, bottle, scrubber or other container.

**COMMAND CENTER™** (1.5 gal. containers) - Remove cap and insert cartridge into dispenser. Note: See dispenser instructions for proper cartridge placement. Once cartridge is in place, press the button to dispense a 1:64 solution into a bucket, bottle, scrubber or other container.

**J-PAK™ CONTAINERS** (Pre-measured packets) - (Simply) open and pour contents into xx gallons of water (for a 1:64 dilution). Keep packets in box until ready to use. (Pour contents of packet into xx gallons of water for a 1:64 dilution.)

*(Special Instructions for J-PAK CONTAINERS.)*

### **For Use as a Non-Acid Bowl Cleaner/Disinfectant in Toilet Bowls from Concentrate:**

1. Pre-clean heavily soiled areas.
2. Pour packet contents into toilet bowl.
3. Swab entire surface area especially under the rim.
4. Allow entire surface to remain wet for ten (10) minutes.
5. Flush toilet and rinse swab applicator thoroughly.



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

**For Use as a One-Step Cleaner/Disinfectant:**

1. Pre-clean heavily soiled areas.
2. Apply Use Solution to hard, non-porous environmental surfaces.
3. To disinfect, all surfaces must remain wet for ten (10) minutes.
4. Wipe surfaces (and let air dry).

Note - Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces such as appliances and kitchen countertops must be rinsed with potable water. Do not use on glassware, utensils, or dishes.

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

Apply Use Solution to surfaces. Wipe surfaces (and let air dry).

**For Use as a Cleaner/Disinfectant 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. Apply Use Solution evenly over surface. Be sure to wet all surfaces thoroughly.
3. Allow product remain on surface for ten (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 used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glassware, and dishes.

**For Use To Clean and Disinfect Barber and Beauty/Manicure Instruments and Tools:**

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

NOTE: Plastics may remain immersed until ready to use. Stainless steel shears and other metal instruments must be removed after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged soaking may cause damage to metal instruments.

**For Use as a Non-Acid Bowl Cleaner/Disinfectant in Toilet Bowls from Concentrate:**

1. Pre-clean heavily soiled areas.
2. Add 1.5 oz. into toilet bowl for a 1:64 dilution.
3. Swab entire surface area especially under the rim.
4. Allow entire surface to remain wet for ten (10) minutes.
5. Flush toilet and rinse swab applicator thoroughly.

**For Use as a Non-Acid Bowl Cleaner/Disinfectant in Toilet Bowls [and Urinals] from Use-Dilution:**

1. Pre-clean heavily soiled areas.
2. Empty toilet bowls by forcing water through the trap. Apply Use Solution to exposed surfaces in toilet bowls and urinals.
3. Swab entire surface area especially under the rim.
4. Allow entire surface to remain wet for ten (10) minutes.
5. Flush toilet or urinal and rinse swab applicator thoroughly.

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

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

1. Pre-clean heavily soiled areas.
2. Apply Use Solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for ten (10) minutes.  
*Special instructions for foam guns: Pour concentrate into foam gun bottle and attach bottle to spray nozzle and ensure gun is attached to hose. Note: See foam gun instructions for more information. Make sure setting is set for a 1:64 dilution. Once in place, squeeze the handle to dispense foam solution. To disinfect, all surfaces must remain wet for ten (10) minutes.*
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.

**To Kill Mold and Mildew (in 5% soil load):**

Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. Allow surfaces to remain wet for ten (10) minutes. Wipe surfaces (and let air dry).

**To Control Mold and Mildew:**

Apply Use Solution to pre-cleaned hard, non-porous environmental surfaces. Allow to air dry. Repeat application weekly or when growth reappears.

**To Kill Fungi:**

Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. Allow surface to remain wet for ten (10) minutes. Wipe surfaces (and let air dry).

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

1. Remove all animals and feeds 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 and 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 minutes.
6. Do not house animals or re-employ equipment until product has dried.
7. 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 on pre-cleaned environmental 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, or 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 HIV-1, 5 minutes to kill HBV & HCV, and for 10 minutes to kill all other organisms cited on the label.

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

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

## **STORAGE AND DISPOSAL**

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

## **PESTICIDE STORAGE**

Do not reuse empty container (unless refilling from a larger container of the same product according to the refilling directions outlined previously). (Keep from freezing).

## **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**

(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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

*(Sealed Dispenser Cartridges/Portion-Dose (ACCUMIX™) bottles/Tear-open pouches:)*

Do not reuse, wrap empty container and put in trash. *[Note to Agency: Please note that neither dispenser cartridges nor portion-dose (ACCUMIX) bottles can be triple rinsed because they are closed sealed systems designed to reduce worker exposure to the concentrate.]*

## **ENVIRONMENTAL HAZARDS** *(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.

## **PRECAUTIONARY STATEMENTS**

### **HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**DANGER: Corrosive.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear chemical splash-proof goggles or face shield, rubber gloves and protective clothing. Harmful if inhaled, swallowed or absorbed through skin. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

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

**FIRST AID**

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

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

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

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

**1-800-851-7145**

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

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

Si no puede leer en ingles, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.

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JohnsonDiversey

Clean is just the beginning



## HDC V2 1:64 REFERENCE SHEET

When used as directed at a 1:64 dilution (2 oz. per gallon of water) (4mL/L), this product contains 660 ppm of active quaternary germicide making it highly effective against a wide variety (broad-spectrum) of pathogenic microorganisms.

Using approved AOAC test methods (under Good Laboratory Practices, [GLP's]), in the presence of 400 ppm hard water, 10% serum and 10 minutes contact time, unless otherwise noted, this product kills the following on hard non-porous inanimate surfaces:

### Bacteria (Bactericidal Activity) - (kills on hard non-porous inanimate surfaces:)

*Pseudomonas aeruginosa*, (ATCC 15442)  
*Staphylococcus aureus*, (ATCC 6538)  
*Salmonella enterica*, (ATCC 10708)  
formerly known as *Salmonella choleraesuis*  
*Acinetobacter calcoaceticus*, (ATCC 9957)  
*Bordetella bronchiseptica*, (ATCC 10580)  
*Enterobacter cloacae*, (ATCC 23355)  
*Enterococcus faecalis*, (ATCC 19433)  
formerly known as *Streptococcus faecalis*  
*Escherichia coli*, (ATCC 11229)  
*Escherichia coli* 0157:H7, (ATCC 43890)  
*Klebsiella pneumoniae*, (ATCC 13883)

*Legionella pneumophila*, (ATCC 33153)  
*Listeria monocytogenes*, (ATCC 15313)  
*Neisseria gonorrhoeae*, (ATCC 43069)  
*Proteus mirabilis*, (ATCC 9240)  
*Proteus vulgaris*, (ATCC 13315)  
*Pseudomonas diminuta*, (ATCC 11568)  
*Pseudomonas putida*, (ATCC 12633)  
*Pseudomonas stutzeri*, (ATCC 17588)  
*Salmonella schottmuelleri*, (ATCC 10719)  
*Salmonella typhi*, (ATCC 6539)  
*Serratia marcescens*, (ATCC 9103)  
*Shigella dysenteriae*, (ATCC 29026)

*Shigella flexneri*, (ATCC 25875)  
*Shigella sonnei*, (ATCC 25931)  
*Staphylococcus aureus*, (ATCC 25923)  
*Staphylococcus aureus* (Toxic Shock),  
(ATCC 33586)  
*Streptococcus mutans*, (ATCC 25175)  
*Streptococcus pyogenes*, (ATCC 19615)  
*Streptococcus pyogenes* ("Strep A" -  
Flesh Eating Strain), (clinical isolate)  
*Vibrio cholera*, (ATCC 11623)  
*Yersinia enterocolitica*, (ATCC 9610)

### Antibiotic-Resistant (Strains of) Bacteria (Antibiotic-Resistant Bactericidal Activity) - (kills on hard non-porous inanimate surfaces:)

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

*Staphylococcus aureus*, (CDC HIP-5836),  
(Intermediate Vancomycin Resistance [VISA])

*Staphylococcus aureus*, (ATCC 33592)  
(Resistant to Methicillin [MRSA], Gentamicin  
[GRSA])

### Viruses (\*Virucidal Activity) - (kills on hard non-porous inanimate surfaces:)

Herpes simplex Type 1, (VR-733)

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

Vaccinia virus (smallpox vaccine virus),  
(VR-119)

Herpes simplex Type 2, (VR-734)

Kills 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 HBV & HCV when used as directed on hard, non-porous inanimate surfaces with a 10 minute contact time.

### (Veterinary viruses:)

Avian Influenza, (VR-2072)  
Canine distemper, (VR-128)

New Castle disease, (VR-108)

Transmissible gastroenteritis virus (TGE),  
(U of Minn. Strain)

### Fungi/Yeast (Fungicidal and Yeast Activity) - (kills on hard non-porous inanimate surfaces:)

*Geotrichum candidum*, (ATCC 18301)

*Saccharomyces cerevisiae*, (ATCC 2601)

Using approved AOAC test methods (under Good Laboratory Practices, [GLP's]), in the presence of 400 ppm hard water, 5% serum load and 10 minutes contact time, unless otherwise noted, this product kills the following on hard non-porous inanimate surfaces:

### Viruses (\*Virucidal Activity) - (kills on hard non-porous inanimate surfaces:)

*Adenovirus Type 2*, (VR-2)

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

**Fungi/Yeast (Fungicidal and Yeast Activity)** – (kills on hard non-porous inanimate surfaces:)

Fungi: *Aspergillus niger*, (ATCC 6275), *Trichophyton mentagrophytes* (athlete's foot fungus), (ATCC 9533)

Yeast: *Candida albicans*, (ATCC 10231)

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

**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.)

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

**Bactericidal Stability of Use-Dilution** - Tests show this product, when diluted in 400 ppm hard water and in the presence of 5% serum load, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* (formerly known as *Salmonella choleraesuis*) (up to 7 days) (for up to one week) (for up to one month) (for up to 2 months) (for up to 3 months) (up to 4 months) (up to 5 months) (up to 6 months) (up to 7 months) (up to 8 months) (up to 9 months) (up to 10 months) (up to 11 months) (up to 12 months) (up to one year) in storage as long as it remains sealed. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, dry containers when diluting this product.

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