

70627-60

2/14/2008

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



United States  
Environmental Protection  
Agency

**Office of Pesticide Programs**

FEB 14 2008

JohnsonDiversey  
8310 16<sup>th</sup> Street  
P.O. Box 902  
Sturtevant, WI 53177-0902

Attention: Kresti A. Lyddon  
Senior Registration Specialist

Subject: Oxivir Wipes  
EPA File Symbol No. 70627-60  
E-mail Letter Dated November 29, 2007

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

- Updated Labeling

**General Comments:**

Please note that a copy of the Revised Efficacy Review dated November 14, 2007 is enclosed for your information.

A stamped copy of the "accepted" labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

A handwritten signature in cursive script, appearing to read "M. Swindell".

Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)

Enclosures

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



## OXIVIR™ WIPES

(Ready to Use) (Easy to Use) (Towelette) (Wipe)  
One-Step Disinfectant and Deodorizing Wipes  
Sanitizer • Sanitizing Wipes • Cleaner • Disinfectant • Deodorizer  
\*Virucidal • Bactericidal • Fungicidal • Tuberculocidal  
Meets OSHA Bloodborne Pathogen Standard for HBV, HCV & HIV-1  
Kills Norovirus •

Use on non-food contact surfaces, including: (Grocery Cart Handles) (Cash Registers)  
(Telephones) (Doorknobs)

Just pull, wipe & toss! • Eliminates Buckets • No need to Spray!  
Pre-moistened • Pre-measured • Always Ready-to-Use  
No measuring or mixing required

(Hydrogen Peroxide)

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

**ACTIVE INGREDIENT:**

Hydrogen Peroxide.....0.5%

**OTHER (INERT) INGREDIENTS:**.....99.5%

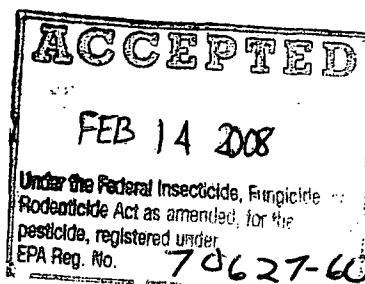
**TOTAL:** .....100.0%

**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 completed list of organisms) (additional (features) (claims) (directions for use)) (for this product)).

Net Contents:

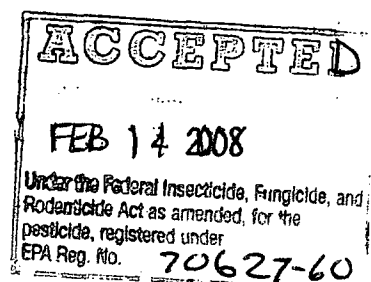


(Product of U.S.A.)

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**(MARKETING CLAIMS):**

A disinfectant cloth for use on telephone surfaces and other telecommunications equipment surfaces  
A Hydrogen Peroxide solution impregnated in a wiping cloth  
Aids in reducing (or in the reduction of) cross contamination between treated surfaces  
Always ready to use  
An effective counter cleaner  
An effective way to clean, deodorize against odor-causing organisms and disinfect hard, non-porous surfaces  
An effective way to disinfect hard, non-porous environmental surfaces  
Antibacterial  
Antibacterial (surface) Cleaner (cloth)  
Antibacterial Cell phone Wipe  
Antibacterial Surface Cleaner (Cloth)  
Anti-microbial cleaner (cloth)  
Anti-viral\* (Anti-Virus\*) (Surface) Cleaner  
Assures proper dilution strength for product effectiveness  
Bactericidal Cleaner  
Bactericidal  
Built-in Scrubbing Fibers  
Clean & disinfect any room, any time  
Clean & disinfect hard non-porous surfaces  
Clean & disinfect hard non-porous surfaces easily  
Cleans without scratching surface(s)  
Cleaner  
Cleaner and disinfectant towel (or cloth)  
Clean(s) and deodorize(s)  
Cleans and disinfects  
Cleans and disinfects (cell phone surfaces) (telephone equipment) (Telephone equipment surfaces) (dictating equipment surfaces) (telecommunications equipment surfaces) (devices)  
Cleans and disinfects common hard, non-porous surfaces  
Cleans effectively  
Cleans hard-to-remove stains  
Cleans, deodorizes and disinfects  
Cloth  
Convenient  
Convenient, quick & easy cleaning all around (the office) (business) (workplace)  
Cuts grease  
Cuts the toughest grime and grease without scratching surfaces  
Disinfectant (disinfecting) surface cleaner (cloth)  
Disinfects against *Staphylococcus aureus*, *Salmonella enterica*, and *Pseudomonas aeruginosa*  
Disinfects environmental surfaces  
Disinfects hard, non-porous environmental surfaces  
Disinfects headsets and telephones  
Disposable  
Each pre-moistened towelette (disposable wipe) cleans, deodorizes and kills listed bacteria all around your (office) (business) (workplace)  
Easy flip-top lid  
Effective against flu virus (Influenza A/Hong Kong) (Hong Kong Flu)  
Effective daily cleaner  
Effective in 1 minute against *Staphylococcus aureus*, *Salmonella enterica*, and *Pseudomonas aeruginosa*  
Effectively disinfects hard, non-porous surfaces  
Effectively disinfects in the presence of organic soil (5% blood serum)



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

Everyday, every room disinfectant

Exhibits effective virucidal activity: kills Influenza A/Hong Kong and Herpes Simplex Type 2 (cause of Genital Herpes)

For hard, non-porous surfaces

For use in critical care areas (where control of the hazards of cross-contamination between treated surfaces is of prime importance)

For your toughest bathroom messes

Grease Cutting Formula

Great for grease cutting

Great for on-the-go cleaning

Great on-the-go disinfectant (cloth)

Hard non-porous surface (cleaning &) disinfecting made easy

Heavy-duty cleaner (or cleaning) (cloth)

Kills Avian Influenza A virus on pre-cleaned environmental surfaces

Kills: *Staphylococcus aureus*, *Salmonella enterica*, and *Pseudomonas aeruginosa*

Kills the flu virus Influenza A

Kills Norovirus (Norwalk virus)

Kills Human Coronavirus

Kills antibiotic-resistant organisms

Kills HIV-1 (AIDS virus) (HTLV-III<sub>B</sub>)

Kills HCV

Kills HBV

No mixing

No streaking

Non-woven disposable cloth

On-the-go disinfectant

Oxivir™ Wipes control the spread of listed bacteria on treated hard, non-porous environmental surfaces

Oxivir™ Wipes help control listed bacteria on treated surfaces while keeping your office (or workstation or workplace or business) clean and dust-free

Pre-measured

Pre-moistened (towelettes)

Pre-soaked (cloth or towelette)

Quick and easy cleaning everywhere

Quick drying

Removes tough stains

Restroom Disinfectant Wipes

Restroom Wipes (for hard, non-porous surfaces)

Scrubbing surface cleaner

Stay-moist package

Strong towelettes (or wipes)

Telephone (cleaner [and] disinfectant) wipes

These wipes are a convenient way to disinfect surfaces all around your (business) (office) (workplace)

Towel

Use on hard, non-porous surfaces only. (Test wipe on a small inconspicuous area first)

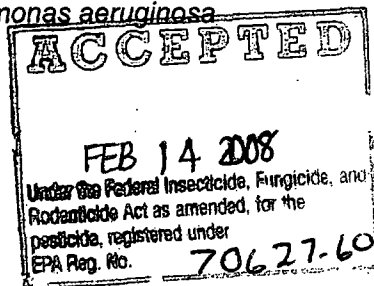
Use to disinfect shopping (or grocery) cart handles

Versatile disinfectant (or disinfecting) cleaner

Virucidal\* (or) Kills viruses\* \*Influenza A/Hong Kong (Hong Kong flu), Herpes Simplex Type 2, HCV, HBV, HIV-1

Virus killing cleaner\*

Wipe down grocery (or shopping) cart handles



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

This product (These) is (are) (is a) non-woven, disposable (towelette(s)) (wipe(s)), pre-saturated with Hydrogen Peroxide (based) disinfectant cleaner.

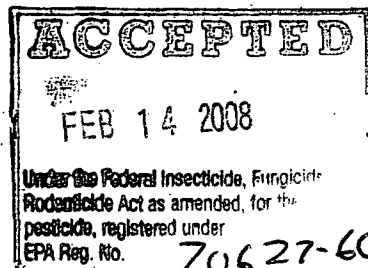
This product is a one-step (hospital-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (and) (deodorizing) (of) hard, non-porous environmental surfaces. It cleans quickly by removing dirt, grime, body oils and other common soils found in hospitals, nursing homes, (acute) (and) (long-term) care facilities, office buildings, schools and colleges (universities), (day care centers), (medical) (dental) offices, funeral homes, transportation facilities, train (depots) (stations), bus (depots) (stations), airports, casinos, cruise ships, correctional facilities, athletic facilities, athletic equipment, playgrounds, locker rooms, health clubs, exercise equipment, barber/beauty (salons) (shops), veterinary clinics, pet shops, (equine farms), animal life science laboratories, hotels, motels, public areas and restrooms, homes cleaned by (home cleaning services),(professional cleaning services),(medical assistance services,) and office buildings.

This product's (non-dulling) (advanced) (quick cleaning) (convenient) (easy-to-use) (highly effective) formula eliminates the time and labor normally required for rinsing. It is designed for use on (Use daily on) (the following) (hard, non-porous environmental (inanimate) surfaces): vinyl, painted surfaces, plastic (surfaces), glass, mirrors, glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, non-food contact countertops, telephones, fixtures, athletic equipment, exercise equipment, glazed tile, exterior surfaces of toilets, exterior surfaces of urinals, sinks, sink basins, faucets, tubs, chrome, stainless steel, shower rooms and locker room areas - any washable (non-food contact) surface where disinfection is required. This product's (non-dulling) (advanced) (quick cleaning) (convenient) (easy-to-use) (highly effective) formula eliminates the time and labor normally required for rinsing. Do not use on glasses, dishes and utensils. Not recommended for use on brass, copper or marble.

### **(Hospitals/Health Care Facilities/Dental Offices/Life Science Laboratories)**

This product is a one-step (hospital-use) (laboratory-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) towelette designed for general cleaning, (and) disinfecting, (deodorizing) (of) hard, non-porous environmental surfaces. This product cleans quickly by removing dirt, grime, food residue, dead skin, blood, body soils and other organic matter commonly found in Hospitals, (in Health Care Facilities), (laboratory settings). 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) (dental) (laboratory) 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), (Naugahyde), painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, non-food contact countertops, telephones, fixtures, glazed tile, toilet exteriors, urinal exteriors, sinks found in (health care facilities), (hospitals), (dental offices), (patient rooms), (operating rooms), (ICU areas), (shower rooms), and (locker rooms) (fume hoods and animal cages [found in laboratory settings]). (It can be used to pre-clean and disinfect hospital items: wheelchairs, (hospital) (patient) bedrails and linings (patient bed linings) (vinyl mattress covers), wash basins, bed pans, non-critical medical equipment surfaces - almost any washable non-food contact surface (where disinfection is required).



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**((Bathroom) (Restroom) Disinfectant Cleaner:)**

This product is a one-step disinfectant cleaner and deodorant (odor-counteractant) (odor-neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) on hard, non-porous environmental surfaces.

This product cleans, disinfects and deodorizes surfaces by killing odor-causing microorganisms. Its (non-dulling) (advanced) (quick cleaning) (convenient) (easy-to-use) (highly effective) formula is designed for use on (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, exterior (surfaces) of toilets, exterior (surfaces) of urinals, sinks, shower rooms and locker rooms. Not recommended for use on brass, copper or marble.

**(Animal Housing Facilities)**

This product cleans by removing dirt, grime, blood, urine, fecal matter and other common soils found in animal housing 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-dulling) (advanced) (quick cleaning) (convenient) (easy-to-use) (highly effective) formula is designed for use on (Use daily on) (Use daily to clean and disinfect) (hard, non-porous surfaces:) plated or stainless steel, chrome, glazed porcelain, glazed tile, laminated surfaces, (associated with floors, walls, non-food contact countertops, cages, kennels, animal equipment) found in (barns, pens and stalls) animal housing facilities.

**(CLAIMS:)**

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

**HOSPITAL DISINFECTANT: BACTERICIDAL** in the presence of 5% serum load and 1 minute contact time at 20°C (68°F) on hard, non-porous environmental surfaces.

**Bactericidal Activity:**

*Pseudomonas aeruginosa* (ATCC 15442)  
*Salmonella enterica*, (ATCC 10708)  
(formerly known as *Salmonella choleraesuis*)

*Staphylococcus aureus* (ATCC 6538)  
*Acinetobacter baumannii* (ATCC 19606)

*Escherichia coli* 0157:H7 (ATCC 35150)

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

*Staphylococcus aureus* MRSA (ATCC 33592)

*Enterococcus faecalis* VRE (ATCC 51575)

**\*VIRUCIDAL** in the presence of 5% serum load and 1 minute contact time at 20°C (68° F) on hard, non-porous environmental surfaces.

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

Herpes Simplex Virus, Type 1 (HSV-1)  
(ATCC VR-733)  
Influenza A/Hong Kong (ATCC VR-544)

Herpes Simplex Virus, Type 2 (HSV-2)  
(ATCC VR-734)  
Poliovirus Type 1, Strain Brunhilde  
(ATCC VR-1000)

Human Coronavirus (ATCC VR-740)  
Rotavirus WA

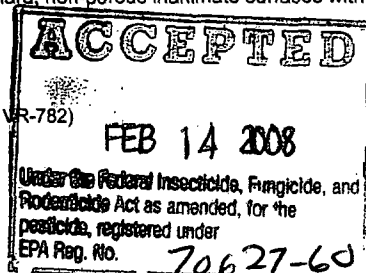
Kills HIV-1 (AIDS virus) (HTLV-III<sub>B</sub>) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.  
Kills HBV & HCV when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

Kills Norovirus (Feline Calicivirus as the surrogate) (VR-782) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

**(Veterinary Viruses:)**

Avian Influenza A, (H3N2) (ATCC VR-2072)

Feline Calicivirus, Strain F9 (ATCC VR-782)



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**TUBERCULOCIDAL** in the presence of a 5% serum load and 5 minute contact time at 20°C (68°F) on hard, non-porous environmental surfaces.

*Mycobacterium bovis* (Tb) (OT 451C150)

**FUNGICIDAL** This product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (ATCC 9533) (the fungus which causes Athlete's Foot) in the presence of a 5% serum load and 10 minute contact time at 20°C (68°F) 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.

*Trichophyton mentagrophytes* (ATCC 9533)

**Non-Food Contact Surface Sanitizer for hard non-porous surfaces** – in the presence of a 5% serum load and 30 second contact time at 20°C (68°F) on hard, non-porous environmental surfaces.

*Klebsiella pneumoniae* (ATCC 4352)

*Staphylococcus aureus* (ATCC 6538)

*Escherichia coli* 0157:H7 (ATCC 35150)

*Salmonella enterica*, (ATCC 10708)

(formerly known as *Salmonella choleraesuis*)

*Staphylococcus aureus* MRSA (ATCC 33592)

*Pseudomonas aeruginosa* (ATCC 15442)

*Enterococcus faecalis* VRE (ATCC 51575)

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

#### DIRECTIONS FOR USE:

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

Not for personal cleansing. This is not a baby wipe. Do not flush in toilet.

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.

#### For Use as a (One-Step) (Cleaner)/(Disinfectant):

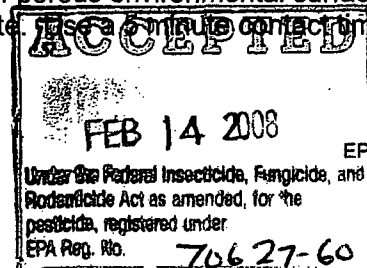
1. Pre-clean heavily soiled areas.
2. Pull towelette from dispenser (canister) and wipe hard, non-porous environmental surfaces.
3. All surfaces must remain visibly wet for 1 minute. Use a 5 minute contact time for Tuberculosis. Use a 10 minute contact time for fungi.
4. Allow to air dry (or rinse (with potable water if necessary)).

Note: All food contact surfaces must be rinsed with potable water. Do not use on glassware, utensils, or dishes.

**NOTE:** When cleaning floors position wet-floor signs around area to be cleaned. Floors will be slippery when wet or contaminated with foreign materials. Promptly clean up spills and foreign materials.

#### For Use as (Daily) (Bathroom) (Restroom) (Shower Rooms) (Locker Rooms) (Athletic Equipment) (One-Step) Cleaner/Disinfectant:

1. Pre-clean heavily soiled areas.
2. Pull towelette from dispenser (canister) and wipe hard, non-porous environmental surfaces.
3. To disinfect, all surfaces must remain wet for one (1) minute. Use a 5 minute contact time for Tuberculosis. Use a 10 minute contact time for fungi.
4. Wipe surfaces dry (or rinse) (or allow to air dry).



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**\*KILLS HIV AND HCV and HBV 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/body fluids, and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS) Hepatitis B Virus (HBV), or Hepatitis C Virus (HCV).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATING AGAINST HIV-1 (AIDS Virus), HBV OR HCV 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/Body Fluids must be thoroughly cleaned from surfaces/objects before application of this product.

**Contact Time:** Allow surface to remain wet for 1 minute to kill HIV-1, HBV and HCV. Use a 5 minute contact time for Tuberculosis and a 10 minute contact for fungi.

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

**For Use as a Tuberculocide:**

1. Pre-clean heavily soiled areas.
2. Pull towelette from dispenser (canister) and wipe hard, non-porous environmental surfaces.
3. Allow the surface to remain wet for 5 minutes. Use additional towelettes if needed to ensure the correct wet contact time.
4. Wipe surfaces dry (or rinse) (or allow to air dry).
5. Change towelette after each use (application).

**To Kill Fungi:**

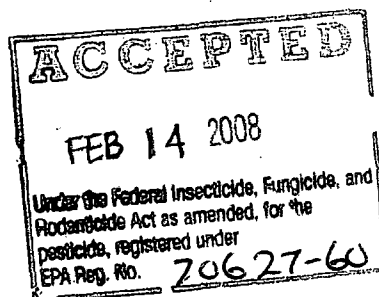
1. Pre-clean heavily soiled areas.
2. Pull towelette from dispenser (canister) and wipe hard, non-porous environmental surfaces.
3. All surfaces must remain visibly wet for 10 minutes. Use additional towelettes if needed to ensure the correct wet contact time.
4. Wipe surfaces dry (or rinse) (or allow to air dry).

**For use as a Non-Food Contact Sanitizer:**

1. Pre-clean heavily soiled areas.
2. Pull towelette from dispenser (canister) and wipe hard, non-porous environmental surfaces.
3. Allow the surface to remain wet for 30 seconds.
4. Wipe surfaces dry (or rinse) (or allow to air dry).
5. Change towelette after each use (application).

**For Use as a Cleaner and/or Deodorizer:**

Pull towelette from dispenser (canister) and wipe hard, non-porous environmental surfaces. Allow to air dry (or rinse (with potable water if necessary)).





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**Animal Housing Facilities (Including Veterinary Clinics, (Equine) Farms, Livestock, Swine and Poultry Houses): For cleaning and disinfecting the following hard, non-porous surfaces: feeding and watering equipment, utensils, instruments, cages, kennels, stables, catteries, etc.**

1. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc.
2. Remove all litter, droppings and manure from floors, walls and surfaces of facilities (including pens, chutes, and barns) occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding or watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with potable water. Pull towelette from dispenser (canister) and wipe hard, non-porous environmental surfaces.
5. All surfaces must remain visibly wet for 1 minute.
6. Allow to air dry (or rinse (with potable water if necessary)).
7. Ventilate buildings and other closed spaces.
8. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**NOTE:** Not for use on handling and restraining equipment such as leashes, muzzles, halters or ropes, as well as forks, shovels, and scrapers used for removing litter and manure.

**STORAGE AND DISPOSAL**

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

**Pesticide Disposal:** Store in original container in areas inaccessible to small children. Keep securely closed.

**Container Disposal:** Do not reuse empty container. Rinse thoroughly. (Wrap and) Discard in trash.

*(Optional for product supplied in refillable containers or refill package:)*

**Towelette Storage/Disposal:** Dispose of (wipe) (towelette) (cloth) in trash after use. Do not flush. Tightly close lid between uses to retain moisture. Do not reuse empty container except with refill, otherwise discard in trash.

*(Optional for product supplied in resealable packages:)*

**Towelette Storage/Disposal:** Dispose of (wipe) (towelette) (cloth) in trash after use. Do not flush. Reseal container label between uses to retain moisture. Do not reuse empty (Pouch) (Container) (Package). Discard empty (Pouch) (Container) (Package) in trash.

**ENVIRONMENTAL HAZARDS** *(for labels with veterinary use patterns)*

This product is toxic to birds, fish and aquatic invertebrates. Caution should be used when applying indoors because pets may be at risk.

**Emergency Number: 800-851-7145**

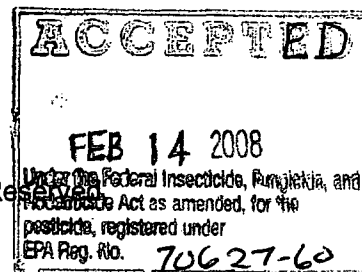
Si no puede leer en ingles, pregunte a su supervisor sobre las instrucciones de uso apropiadas antes de trabajar con este producto.

EPA Reg. No. 70627-60

EPA Est. No.

(Lot code indicates site of manufacture.)

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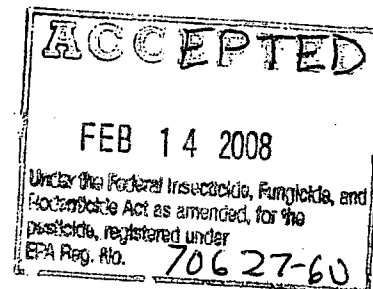
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JohnsonDiversey



## OXIVIR™ WIPES REFERENCE SHEET



**HOSPITAL DISINFECTANT: BACTERICIDAL** in the presence of 5% serum load and 1 minute contact time at 20°C (68°F) on hard, non-porous environmental surfaces.

### Bactericidal Activity:

*Pseudomonas aeruginosa* (ATCC 15442)  
*Salmonella enterica*, (ATCC 10708)  
(formerly known as *Salmonella choleraesuis*)

*Staphylococcus aureus* (ATCC 6538)  
*Acinetobacter baumannii* (ATCC 19606)

*Escherichia coli* 0157:H7 (ATCC 35150)

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

*Staphylococcus aureus* MRSA (ATCC 33592)

*Enterococcus faecalis* VRE (ATCC 51575)

**\*VIRUCIDAL** in the presence of 5% serum load and 1 minute contact time at 20°C (68° F) on hard, non-porous environmental surfaces.

### Viruses (\*Virucidal Activity):

Herpes Simplex Virus, Type 1 (HSV-1)  
(ATCC VR-733)  
Influenza A/Hong Kong (ATCC VR-544)

Herpes Simplex Virus, Type 2 (HSV-2)  
(ATCC VR-734)  
Poliovirus Type 1, Strain Brunhilde  
(ATCC VR-1000)

Human Coronavirus (ATCC VR-740)  
Rotavirus WA

Kills HIV-1 (AIDS virus) (HTLV-III<sub>a</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 1 minute contact time.

Kills Norovirus (Feline Calicivirus as the surrogate) (VR-782) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

### (Veterinary Viruses:)

Avian Influenza A, (H3N2) (ATCC VR-2072)

Feline Calicivirus, Strain F9 (ATCC VR-782)

**TUBERCULOCIDAL** in the presence of a 5% serum load and 5 minute contact time at 20°C (68°F) on hard, non-porous environmental surfaces.

*Mycobacterium bovis* (Tb) (OT 451C150)

**FUNGICIDAL** This product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (ATCC 9533) (the fungus which causes Athlete's Foot) in the presence of a 5% serum load and 10 minute contact time at 20°C (68°F) 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.

*Trichophyton mentagrophytes* (ATCC 9533)

**Non-Food Contact Surface Sanitizer for hard non-porous surfaces** – in the presence of a 5% serum load and 30 second contact time at 20°C (68°F) on hard, non-porous environmental surfaces.

*Klebsiella pneumoniae* (ATCC 4352)  
*Staphylococcus aureus* (ATCC 6538)  
*Escherichia coli* 0157:H7 (ATCC 35150)

*Salmonella enterica*, (ATCC 10708)  
(formerly known as *Salmonella choleraesuis*)  
*Staphylococcus aureus* MRSA (ATCC 33592)

*Pseudomonas aeruginosa* (ATCC 15442)  
*Enterococcus faecalis* VRE (ATCC 51575)

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

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