

7546-26

08/06/2010

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



Office of Pesticide Programs

Kristine M. Miller
US Chemical Corp.,
316 Hart St.,
Wartertown, WI. 53094

AUG -6 2010

Product Name: Liquid Disinfectant Cleaner
EPA Reg. No.: 7546-26
Notification Date: July 7, 2010
Date Received: July 8, 2010
Submissions #: 879176

Dear Mrs. Miller,

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

Proposed Notification:

- 1) Add labeling claim against Pandemic 2009 H1N1 Influenza A Virus.

General Comments

Based on a review of the submitted materials, your application for pesticide notification for the product, "Liquid Disinfectant Cleaner", EPA regulation number 7546-26 is acceptable. A copy of your notification has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble PM team 31 at (703) 308-6233 or Jamil Mixon at (703) 308-8032.

Sincerely,

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

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Please read instructions on reverse before completing form.

Form Approved AB No. 2070-0060

Print Form



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 7546-26	2. EPA Product Manager Noble	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Liquid Disinfectant Cleaner	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) US Chemical Corporation 316 Hart Street Watertown, WI 53094 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: <input checked="" type="checkbox"/> 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.)

Notification of label change per EPA's guidance document for Pandemic 2009 H1N1 Influenza A Virus. This notification is consistent with the guidance document and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for t

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input 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 Kristin M. Miller	Title Regulatory Compliance Spe	Telephone No. (Include Area Code) 920-206-3965
Certification I certify that the statements I have made on this form and all attachments thereto 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 Regulatory Compliance Specialist	
4. Typed Name Kristin M. Miller	5. Date July 7, 2010	



July 7, 2010

Velma Noble, PM-31
Document Processing Desk (NOTIF)
U S Environmental Protection Agency, Room S-4900
Office of Pesticide Programs (7504P)
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Re: LIQUID DISINFECTANT CLEANER, EPA Reg. No. 7546-26
Label Notification

Dear Ms. Noble:

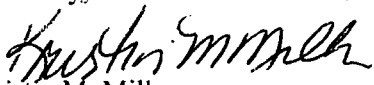
Please find enclosed a label notification for the above referenced U S Chemical Corporation product. The following changes have been made:

- Added labeling claims against Pandemic 2009 H1N1 Influenza A Virus

Notification of label change per EPA's guidance document for Pandemic 2009 H1N1 Influenza A Virus. This notification is consistent with the guidance document and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA

This is considered a Non-PRIA action and does not fall under the PRIA timeline. If you have any questions or require additional information please contact me at (920) 206-3965 or via e-mail at kristin.miller@johnsondiversev.com.

Sincerely,


Kristin M. Miller
Regulatory Compliance Specialist
U S Chemical Corporation

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



LIQUID DISINFECTANT CLEANER
Disinfectant Spray Cleaner

Ready-To-Use (RTU)

Bactericidal • Virucidal* • Mildewstatic • Fungicidal • Deodorizer (Odor Counteractant) (Odor Neutralizer)
• Commercial Line • Ready-To-Use (RTU)

Spray On • No Rinsing • No Abrasives • One-Step Formula; Disinfects (Kills) In Five (5) Minutes! Sanitizes in 30 Seconds! Will not (Won't) Scratch or Dull Surfaces; Will not harm Washable Surfaces; Cleans & Disinfects In One Step; Leaves (Toilet) Bowls Sparkling (Clean); Leaves (Bathroom) Surfaces (Sparkling) Clean (and Fresh); Cleans Without (Acids) (Abrasives) Fumes; For Effective Mold and Mildew Control; (Non-Abrasive) No Rinse Formula; The Easy Way to Clean and Disinfect (Surfaces); Contains No Abrasives (Non-Abrasive (Formula))

Fresh (Pleasant) (Citrus) (Lemon) (Floral) (Outdoor Fresh) (Lime) (Powder)(Mint) Fragrance (Scent)

For (Hospital,) (Foodservice,) (Food Plant), (Commercial) Industrial & Institutional Use (Only)

ACTIVE INGREDIENTS:

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chloride.....0.106%
n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl ethylbenzyl ammonium chloride.....0.106%

INERT (OTHER) INGREDIENTS:.....99.788%

TOTAL.....100.000%

KEEP OUT OF REACH OF CHILDREN
WARNING

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

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

Product of USA

Net Contents:

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

(FEATURES, CLAIMS & USES:)

(FEATURES)

(General disinfectant cleaner:)

LIQUID DISINFECTANT CLEANER 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) of 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, 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:)

LIQUID DISINFECTANT CLEANER 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.

LIQUID DISINFECTANT CLEANER 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 (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.

(Food Service:)

LIQUID DISINFECTANT CLEANER 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, non-porous cutting boards, 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.

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

(Animal Housing Facilities:)

LIQUID DISINFECTANT CLEANER 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:)

LIQUID DISINFECTANT CLEANER 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 inanimate surfaces.

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 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:)

LIQUID DISINFECTANT CLEANER 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:

LIQUID DISINFECTANT CLEANER 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 parentheses or brackets is done to show optional text.)

(CLAIMS:)

LIQUID DISINFECTANT CLEANER 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 (the Germicidal Spray Test Method) (under Good Laboratory Practices [GLPs]), 10% organic soil load and a 5 minute contact time (unless otherwise noted), this product kills the following on hard non-porous inanimate surfaces:

Bacteria (Bactericidal Activity)

- Pseudomonas aeruginosa*, (ATCC 15442)
- Staphylococcus aureus*, (ATCC 6538)
- Salmonella choleraesuis*, (ATCC 10708)
- Acinetobacter calcoaceticus*, (ATCC 9957)
- Bordetella bronchiseptica*, (ATCC 10580)
- Brevibacterium ammoniagenes*, (ATCC 6872)
- Burkholderia cepacia*, (ATCC 25416) (formerly known as *Pseudomonas cepacia*)
- Campylobacter fetus*, (ATCC 27374)
- Citrobacter freundii*, (ATCC 8090)
- Chlamydia psittaci*, (VR-125)
- Enterobacter aerogenes*, (ATCC 13048)
- Enterobacter agglomerans*, (ATCC 27155)
- Enterobacter cloacae*, (ATCC 23355)
- Enterobacter gergoviae*, (ATCC 33028)
- Enterobacter liquefaciens*, (ATCC 14460) (formerly known as *Serratia liquefaciens*)
- Enterococcus faecalis*, (ATCC 19433) (formerly known as *Streptococcus faecalis*)
- Enterococcus hirae*, (ATCC 10541)
- Escherichia coli*, (ATCC 11229)
- Escherichia coli* 0157:H7, (ATCC 43890)
- Flavobacterium meningosepticum*, (ATCC 13253)
- Haemophilus influenza*, (ATCC 10211)
- Hafnia alvei*, (ATCC 13337)
- Klebsiella oxytoca*, (ATCC 13182)
- Klebsiella pneumoniae*, (ATCC 13883)
- Legionella pneumophila*, (ATCC 33153)
- Listeria monocytogenes*, (ATCC 15313)
- Neisseria gonorrhoeae*, (ATCC 4698)
- Micrococcus luteus*, (ATCC 14452)
- Micrococcus sedentarius*, (ATCC 27573)
- Morganella morganii*, (ATCC 25830)
- Neisseria gonorrhoeae*, (ATCC 43069)
- Pasteurella multocida*, (ATCC 43137)
- Proteus mirabilis*, (ATCC 9240)
- Proteus vulgaris*, (ATCC 13315)
- Pseudomonas diminuta*, (ATCC 11568)
- Pseudomonas fluorescens*, (ATCC 13525)
- Pseudomonas putida*, (ATCC 12633)
- Pseudomonas stutzeri*, (ATCC 17588)
- Salmonella choleraesuis pullorum*, (ATCC 19945)
- Salmonella enteritidis*, (ATCC 13076)
- Salmonella gallinarum*, (ATCC 9184)
- Salmonella schottmuelleri*, (ATCC 10719)
- Salmonella typhi*, (ATCC 6539)
- Salmonella typhimurium*, (ATCC 13311)
- 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)
- Staphylococcus epidermidis*, (ATCC 14990)
- Staphylococcus haemolyticus*, (ATCC 29970)
- Staphylococcus saprophyticus*, (ATCC 15305)
- Staphylococcus species*, (ATCC 12715)
- Streptococcus agalactiae*, (ATCC 13813)
- 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)

- E. coli*, (ATCC 55244 & 29181) (Resistant to Kanamycin, Trimethoprim, Streptomycin)
- E. coli*, (ATCC 47041) (Resistant to Tetracycline)
- Enterococcus faecium*, (ATCC 51559) (Resistant to Vancomycin (VRE), Ampicillin, Ciprofloxacin, Gentamicin, Risampin, Teicoplanin)
- Klebsiella oxytoca*, (ATCC 15764) (Resistant to Ampicillin, Dihydrostreptomycin)
- Micrococcus sedentarius*, (ATCC 27573) (Resistant to Methicillin)
- Staphylococcus aureus*, (CDC HIP-5836) (Intermediate resistance to Vancomycin (VISA))
- Staphylococcus aureus*, (ATCC 14154) (Resistant to Erythromycin, Penicillin, Streptomycin, Tetracycline)
- Staphylococcus aureus*, (ATCC 33592) (Resistant to Methicillin (MRSA), Gentamicin (GRSA))
- Streptococcus pneumoniae*, (ATCC 51915) (Resistant to Penicillin (PRSP))

Viruses (Virucidal* Activity)

- Adenovirus Type 2*, (VR-846)
- Cytomegalovirus*, (VR-538)
- Herpes simplex Type 1*, (VR-733)
- Herpes simplex Type 2*, (VR-734)
- Influenza Type A₂* (Hong Kong), (VR-544)
- Parainfluenza Type 3*, (VR-93)
- Reovirus, Type 3*, (VR-232)
- Respiratory syncytial virus*, (VR-26)
- Rubella* (German Measles) virus, (VR-315)
- Vaccinia virus*, (VR-119)

Kills HIV-1 (AIDS virus) (HTLV-III_B) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

Veterinary virus:

- Canine parvovirus*, (VR-2017)

Fungi (Fungicidal Activity)

- Geotrichum candidum*, (ATCC- 18301)
- Zygosaccharomyces bailii*, (ATCC 56075)

Kills *Trichophyton mentagrophytes* (ATCC 9533) that causes Athletes foot fungus when used as directed for disinfection with a contact time of 10 minutes on bathroom floors, shower stalls, glazed tiles and other hard, non-porous inanimate surfaces.

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

(Note to reviewer: the following is considered optional marketing language.)

- Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by influenza A virus. This product (Product Name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against (influenza A virus tested and listed on the label) 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 (influenza A virus tested and listed on the label) 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.

Mold/Mildew Control (Mildewstatic Activity) – controls and prevents (inhibits) the growth of mold and mildew (such as *Aspergillus niger* (ATCC 6275)) (and the odors caused by them) when applied to pre-cleaned hard, non-porous inanimate 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) Control (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).

(Modes of Applications:)

ENVY™ LIQUID DISINFECTANT CLEANER can be applied by cloth, sponge, paper towel, (or hand pump) or hand pump trigger sprayer, or tank sprayer, (mechanical spray device). Change cloth, sponges or towels frequently to avoid redeposition of soil.

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, 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 (General) Cleaner and/or Deodorizer:

1. Hold bottle upright.
2. Spray evenly over 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 LIQUID DISINFECTANT CLEANER remain on surface for five (5) minutes.
3. Wipe with clean cloth, sponge or paper towel.
4. For heavily soiled areas, thoroughly clean surface prior to disinfecting.

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

- When disinfecting food contact surfaces such as kitchen counters and tables used for food preparation, cutting boards, 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 Cleaner/Disinfectant in Food Processing Plants:

- Before using LIQUID DISINFECTANT CLEANER in food processing areas, food products and packaging materials must be removed from the room or carefully protected.
- Spray evenly over surface. Be sure to wet all surfaces thoroughly.
- Let LIQUID DISINFECTANT CLEANER remain on surface for five (5) minutes.
- Wipe with clean cloth, sponge or paper towel.
- For heavily soiled areas, thoroughly clean surface prior to disinfecting.
- When disinfecting food contact surfaces such as kitchen counters and tables used for food preparation, cutting boards, 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:

- Pre-clean heavily soiled areas.
- With swab applicator, remove water from bowl by forcing water over trap.
- Press swab applicator against side of bowl to remove excess water.
- Apply LIQUID DISINFECTANT CLEANER to swab applicator, cloth, mop, sponge or directly to surface.
- Swab entire surface area especially under the rim.
- Allow entire surface to remain wet for five (5) minutes.
- Flush toilet or urinal and rinse swab applicator thoroughly.

To Sanitize Non-Food Contact Surfaces:

- Pre-clean soiled hard non-porous surfaces.
- Apply LIQUID DISINFECTANT CLEANER until thoroughly wet.
- Let stand 30 seconds.
- Then wipe.
- Not for use on food contact surfaces or on food preparation areas.

To Control Mold and Mildew:

- Apply LIQUID DISINFECTANT CLEANER to pre-cleaned hard, non-porous inanimate surfaces.
- Allow to air dry.
- Repeat application weekly or when growth reappears.

To Kill Fungi:

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

For Use For Treatment of Animal Housing Facilities:

- Remove all animals and feed from areas being treated.
- Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities occupied or traversed by animals.
- Empty or cover all troughs, racks and other feeding and watering appliances.
- Thoroughly clean all surfaces with soap and rinse with water.
- Apply LIQUID DISINFECTANT CLEANER to floors, walls, cages and other washable hard, non-porous inanimate 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.
- Ventilate buildings and other closed spaces. Do not house animals or employ equipment until product has dried.
- 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.

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

***(LIQUID DISINFECTANT CLEANER) Kills 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 Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST 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 LIQUID DISINFECTANT CLEANER.

Contact Time: Allow surface to remain wet for 1 minute to kill HIV-1. Allow 5 minutes to kill all other organisms cited on the label and 10 minutes for Trichophyton mentagrophytes.

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.

STORAGE AND DISPOSAL:

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

PESTICIDE STORAGE:

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: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

(For containers 5 gallons or less): Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. 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.

(For containers greater than 5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 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.

ENVIRONMENTAL HAZARD: *(for containers of 5 gallons 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

WARNING: Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID:

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

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

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.

1-866-923-4913

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

Si no puede leer en ingles, pregunte a su supervisor por el modo de empleo apropiado antes trabajar con este producto.

EPA Reg. No. 7546-26

EPA Est. No.

(MSDS Ref. No.xxxxxxxxxx)

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LIQUID DISINFECTANT CLEANER REFERENCE SHEET

LIQUID DISINFECTANT CLEANER is highly effective against a wide variety (broad-spectrum) of pathogenic microorganisms. Using (the Germicidal Spray Test Method) (under Good Laboratory Practices [GLPs]), 10% organic soil load and a 5 minute contact time (unless otherwise noted), this product kills the following on hard non-porous inanimate surfaces:

Bacteria (Bactericidal Activity)

<i>Pseudomonas aeruginosa</i> , (ATCC 15442)	<i>Flavobacterium meningosepticum</i> , (ATCC 13253)	<i>Salmonella gallinarum</i> , (ATCC 9184)
<i>Staphylococcus aureus</i> , (ATCC 6538)	<i>Haemophilus influenza</i> , (ATCC 10211)	<i>Salmonella schottmuelleri</i> , (ATCC 10719)
<i>Salmonella choleraesuis</i> , (ATCC 10708)	<i>Hafnia alvei</i> , (ATCC 13337)	<i>Salmonella typhi</i> , (ATCC 6539)
<i>Acinetobacter calcoaceticus</i> , (ATCC 9957)	<i>Klebsiella oxytoca</i> , (ATCC 13182)	<i>Salmonella typhimurium</i> , (ATCC 13311)
<i>Bordetella bronchiseptica</i> , (ATCC 10580)	<i>Klebsiella pneumoniae</i> , (ATCC 13883)	<i>Serratia marcescens</i> , (ATCC 9103)
<i>Brevibacterium ammoniagenes</i> , (ATCC 6872)	<i>Legionella pneumophila</i> , (ATCC 33153)	<i>Shigella dysenteriae</i> , (ATCC 29026)
<i>Burkholderia cepacia</i> , (ATCC 25416) (formerly known as <i>Pseudomonas cepacia</i>)	<i>Listeria monocytogenes</i> , (ATCC 51513)	<i>Shigella flexneri</i> , (ATCC 25875)
<i>Campylobacter fetus</i> , (ATCC 27374)	<i>Micrococcus luteus</i> , (ATCC 4698)	<i>Shigella sonnei</i> , (ATCC 25931)
<i>Citrobacter freundii</i> , (ATCC 8090)	<i>Micrococcus luteus</i> , (ATCC 14452)	<i>Staphylococcus aureus</i> , (ATCC 25923)
<i>Chlamydia psittaci</i> , (VR-125)	<i>Micrococcus sedentarius</i> , (ATCC 27573)	<i>Staphylococcus aureus</i> (Toxic Shock), (ATCC 33586)
<i>Enterobacter aerogenes</i> , (ATCC 13048)	<i>Morganella morganii</i> , (ATCC 25830)	<i>Staphylococcus epidermidis</i> , (ATCC 14990)
<i>Enterobacter agglomerans</i> , (ATCC 27155)	<i>Neisseria gonorrhoeae</i> , (ATCC 43069)	<i>Staphylococcus haemolyticus</i> , (ATCC 29970)
<i>Enterobacter cloacae</i> , (ATCC 23355)	<i>Pasteurella multocida</i> , (ATCC 43137)	<i>Staphylococcus saprophyticus</i> , (ATCC 15305)
<i>Enterobacter gergoviae</i> , (ATCC 33028)	<i>Proteus mirabilis</i> , (ATCC 9240)	<i>Staphylococcus species</i> , (ATCC 12715)
<i>Enterobacter liquefaciens</i> , (ATCC 14460) (formerly known as <i>Serratia liquefaciens</i>)	<i>Proteus vulgaris</i> , (ATCC 13315)	<i>Streptococcus agalactiae</i> , (ATCC 13813)
<i>Enterococcus faecalis</i> , (ATCC 19433) (formerly known as <i>Streptococcus faecalis</i>)	<i>Pseudomonas diminuta</i> , (ATCC 11568)	
<i>Enterococcus hirae</i> , (ATCC 10541)	<i>Pseudomonas fluorescens</i> , (ATCC 13525)	<i>Streptococcus mutans</i> , (ATCC 25175)
<i>Escherichia coli</i> , (ATCC 11229)	<i>Pseudomonas putida</i> , (ATCC 12633)	<i>Streptococcus pyogenes</i> , (ATCC 19615)
<i>Escherichia coli</i> 0157:H7, (ATCC 43890)	<i>Pseudomonas stutzeri</i> , (ATCC 17588)	<i>Streptococcus pyogenes</i> ("Strep A" - Flesh Eating Strain), (clinical isolate)
	<i>Salmonella choleraesuis pullorum</i> , (ATCC 19945)	<i>Vibrio cholera</i> , (ATCC 11623)
	<i>Salmonella enteritidis</i> , (ATCC 13076)	<i>Yersinia enterocolitica</i> , (ATCC 9610)

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

<i>E. coli</i> , (ATCC 55244 & 29181) (Resistant to Kanamycin, Trimethoprim, Streptomycin)	<i>Klebsiella oxytoca</i> , (ATCC 15764) (Resistant to Ampicillin, Dihydrostreptomycin)	<i>Staphylococcus aureus</i> , (ATCC 14154) (Resistant to Erythromycin, Penicillin, Streptomycin, Tetracycline)
<i>E. coli</i> , (ATCC 47041) (Resistant to Tetracycline)	<i>Micrococcus sedentarius</i> , (ATCC 27573) (Resistant to Methicillin)	<i>Staphylococcus aureus</i> , (ATCC 33592) (Resistant to Methicillin (MRSA), Gentamicin (GRSA))
<i>Enterococcus faecium</i> , (ATCC 51559) (Resistant to Vancomycin (VRE), Ampicillin, Ciprofloxacin, Gentamicin, Risampin, Teicoplanin)	<i>Staphylococcus aureus</i> , (CDC HIP-5836) (Intermediate resistance to Vancomycin (VISA))	<i>Streptococcus pneumoniae</i> , (ATCC 51915) (Resistant to Penicillin (PRSP))

Viruses (Virucidal* Activity)

<i>Adenovirus Type 2</i> , (VR-846)	<i>Herpes simplex Type 2</i> , (VR-734)	<i>Reovirus</i> , Type 3, (VR-232)
<i>Cytomegalovirus</i> , (VR-538)	<i>Influenza Type A₂</i> (Hong Kong), (VR-544)	<i>Respiratory syncytial virus</i> , (VR-26)
<i>Herpes simplex Type 1</i> , (VR-733)	<i>Parainfluenza Type 3</i> , (VR-93)	<i>Rubella</i> (German Measles) virus, (VR-315)
		<i>Vaccinia virus</i> , (VR-119)

Kills HIV-1 (AIDS virus) (HTLV-III_B) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

Veterinary virus:

Canine parvovirus, (VR-2017)

Fungi (Fungicidal Activity)

Geotrichum candidum, (ATCC- 18301) *Zygosaccharomyces bailii*, (ATCC 56075)

Kills *Trichophyton mentagrophytes* (ATCC 9533) that causes Athlete's foot fungus when used as directed for disinfection with a contact time of 10 minutes on bathroom floors, shower stall, glazed tiles and other hard, non-porous inanimate surfaces.

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Mold/Mildew Control (Mildewstatic Activity) – controls and prevents (inhibits) the growth of mold and mildew (such as *Aspergillus niger* (ATCC 6275)) (and the odors caused by them) when applied to pre-cleaned hard, non-porous inanimate 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) Control (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).

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