



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

106-84

Date of Issuance:

7/20/2022

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Uniquat Plus 128

Name and Address of Registrant (include ZIP Code):

Liesl McWilliams
Brulin & Company, Inc.
Electronic Transmittal: [Regulatory@brulin.com]

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Kathryn V. Montague
Senior Regulatory Advisor
Antimicrobials Division, 7510M
US EPA

Date:

7/20/2022

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:
 - a. Didecyl Dimethyl Ammonium Chloride GDCI-069149-30869
 - b. Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride GDCI-069105-30933
 - c. Alkyl (50% C14, 40% C12, 10% C16) Dimethyl Benzyl Ammonium Chloride GDCI-069105-30882

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 106-84.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 04/29/2022

If you have any questions, please contact Karen M. Leavy by phone at (202)-566-0668, or via email at Leavy.Karen@epa.gov.

Enclosure



UNIQUAT[®] PLUS 128

EPA Reg. No. 106-XXXXX

EPA Est. No. XXXXX

Brunlin & Co, Inc., P.O. Box 270, Indianapolis, IN 46206

**Cleaner • Disinfectant • {Non-Food Contact} Sanitizer
• Deodorizer • Fungicide • Mildewstat • Virucide***

ACCEPTED
07/20/2022
Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 106-84

ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride5.07%
Alkyl (50% C₁₄, 40% C₁₂, 10% C₁₆)
Dimethyl Benzyl Ammonium Chloride.....3.38%

OTHER INGREDIENTS:.....91.55%

TOTAL:.....100.00%

KEEP OUT OF REACH OF CHILDREN DANGER {PELIGRO}

{See [{left} {back} {side} {right} {insert} {panel} {of label} {below}] for {additional} precautionary statements}.

(Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the label.)

FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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

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

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.

IF SWALLOWED: Have 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. Call a poison control center or doctor immediately for treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

{For [{chemical} {and} {or} {medical} {and} {or} {environmental}] emergencies, call {insert name and/or number of emergency contact} {hours of operation} {24 hours a day} {7 days a week}}.

Net Contents:

{{Batch} {Lot} No} {Manufacturing Date}: {Product of USA} {Made in the USA}

(Note to Reviewer: This referral statement may be organized in any order to be grammatically correct.)
{Consult} {See} {additional} {sheet} {insert} {inside} {outer container} {Product Information} {Bulletin} {for} {other} {directions for use} {and} {information} {claims} {organisms} {applications}.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wear goggles or face shield and chemical resistant gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

(If container is equal to or greater than 5 gal., the following statement must appear on the label.)

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

(If container is less than 5 gal., use the following as an alternate to the above statement.)

This product is toxic to fish, aquatic invertebrates, oysters and shrimp.



(Note to Reviewer: Text in {} is optional. Brackets [] indicate that at least one option within the brackets must be used in the final label text. Parentheticals () are meant to appear on final label. "This product" can be substituted with actual product name in the marketing and directions for use.)

ORGANISM LIST

(Note to Reviewer: The list of organisms can be formatted into paragraph form using a comma to separate organisms.)

BACTERICIDAL ACTIVITY: This product kills the following bacteria in 10 minutes at 1 oz. per gal. of 400 ppm hard water {(660 ppm active)} and 5% soil on hard, non-porous surfaces:

Acinetobacter baumannii {(ATCC 19003)}
Acinetobacter Iwoffii {(ATCC 9957)}
Acinetobacter Iwoffii {(ATCC 15309)}
Bordetella bronchiseptica {(ATCC 10580)}
Chlamydia psittaci {(VR-125)}
Citrobacter freundii {(ATCC 8090)}
Enterobacter agglomerans {(ATCC 27155)}
Enterobacter cloacae {(ATCC 13047)}
Escherichia coli {(ATCC 11229)}
Escherichia coli O157:H7 {(ATCC 35150)}
Escherichia coli {(Carbapenem Resistant)}
{(CDC 81371)}
Escherichia coli {(Extended Spectrum B-Lactamase)} {(ESBL)} {(ATCC BAA-196)}
Escherichia coli {(Tetracycline Resistant)}
{(ATCC 47041)}
Enterococcus faecalis {(ATCC 19433)}
Enterococcus faecalis {(Vancomycin Resistant)}
{(VRE)} {(ATCC 51299)}
Enterococcus hirae {(ATCC 10541)}
Fusobacterium necrophorum {(ATCC 27852)}
Klebsiella aerogenes {(ATCC 13048)}
Klebsiella oxytoca {(ATCC 13182)}
Klebsiella pneumoniae {(ATCC 13883)}
Klebsiella pneumoniae {(Carbapenem Resistant)}
{(NDM-1)} {(ATCC BAA-2146)}
Listeria monocytogenes {(ATCC 19117)}
Micrococcus luteus {(ATCC 14452)}
Micrococcus luteus {(ATCC 4698)}
Pasturella multocida {(ATCC 12947)}
Proteus vulgaris {(ATCC 9920)}
Proteus vulgaris {(ATCC 13315)}
Pseudomonas aeruginosa {(ATCC 15442)}
Pseudomonas aeruginosa {(Tetracycline Resistant)} {(ATCC 27853)}
Pseudomonas cepacia {(ATCC 25416)}
Salmonella enterica {(ATCC 23564)}
Salmonella enterica {(ATCC 10708)}
Salmonella enteritidis {(ATCC 4931)}
Salmonella enterica serotype pullorum {(ATCC 19945)}
Salmonella typhi {(ATCC 6539)}
Salmonella typhimurium {(ATCC 23564)}
Serratia marcescens {(ATCC 9103)}
Serratia marcescens {(ATCC 14756)}
Shigella flexneri {(ATCC 9380)}
Shigella flexneri {(ATCC 12022)}
Shigella sonnei {(ATCC 25931)}
Staphylococcus aureus {(ATCC 6538)}
Staphylococcus aureus {(ATCC 25923)}
Staphylococcus aureus {(ATCC 33586)}
Staphylococcus aureus {(ATCC 14154)}
Staphylococcus aureus {(Community Associated Methicillin Resistant)} {(CA-MRSA)}
{(Genotype USA 300)}
Staphylococcus aureus {(Community Associated Methicillin Resistant)} {(CA-MRSA)}
{(Genotype USA 400)}
Staphylococcus aureus {(Methicillin Resistant)}
{(MRSA)} {(ATCC 33592)}
Staphylococcus epidermidis {(ATCC 14990)}
Staphylococcus epidermidis {(Ampicillin, Cefazolin, Oxacillin, Penicillin Resistant)} {(ATCC 51625)}
Streptococcus agalactiae {(ATCC 13813)}
Staphylococcus haemolyticus {(ATCC 29970)}
Streptococcus pneumoniae {(Penicillin Resistant)}
{(ATCC 51915)}
Streptococcus pyogenes {(ATCC 19615)}
Streptococcus mutans {(ATCC 25175)}
Staphylococcus aureus {(Vancomycin Intermediate Resistant)} {(VISA)} {(HIP 5836)}
Vibrio cholera {(ATCC 11623)}
Yersinia enterocolitica {(ATCC 23715)}

VIRUCIDAL* ACTIVITY: This product kills the following viruses in 10 minutes at 1 oz. per gal. of 400 ppm hard water {(660 ppm active)} and 5% soil on hard, non-porous surfaces:

Avian Influenza A {(H5N1)} Virus {(Reassortant Strain)} {(CDC 2006719965)}
Avian Influenza A {(H3N2)} Virus {(Avian Reassortant)} {(VR-2072)}
Cytomegalovirus {(AD-169)}
Coronavirus {(SARS-associated)} {(CDC 200300592)}
Hantavirus {(PHV)}
Hepatitis B Virus {(HBV)} {(Duck Hepatitis B Virus)}
Hepatitis C Virus {(HCV)} {(Bovine Viral Diarrhea Virus)}
Herpes Simplex Virus Type 1 {(VR-733)}
Herpes Simplex Virus Type 2 {(VR-734)}
Human Coronavirus {(VR-740)}
Human Immunodeficiency Virus Type 1 {(HIV 1)} {(AIDS Virus)}
Influenza A {(H1N1)} Virus {(Strain A/PR/8/34)}
Influenza A {(H3N2)} Virus {(Hong Kong Strain)} {(VR-544)}
Respiratory Syncytial Virus {(VR-26)}
SARS-CoV-2 {(SARS Coronavirus 2)} {(USA-WA1/2020)} {(BEI NR-52281)} {(COVID-19 virus)} {(2019-nCoV)}
Vaccinia Virus {(VR-119)}

NON-FOOD CONTACT SANITIZING ACTIVITY:

This product is an effective one-step sanitizer in 3 minutes at 1 oz. per gal. of 400 ppm hard water {(660 ppm active)} and 5% soil on hard, non-porous surfaces:

Klebsiella pneumoniae {(ATCC 4352)}
Staphylococcus aureus {(ATCC 6538)}

MILDEWSTATIC ACTIVITY: This product controls the following mold at 1 oz. per gal. of 400 ppm hard water {(660 active)} and 5% soil on hard, non-porous surfaces for up to 7 days:

Aspergillus niger {(ATCC 16404)}

ANIMAL PREMISE VIRUCIDAL* ACTIVITY: This product kills the following viruses in 10 minutes at 1 oz. per gal. of 400 ppm hard water {(660 ppm active)} and 5% soil on hard, non-porous surfaces:

Avian Infectious Bronchitis Virus {(Strain Beaudette IB42)}
Avian Influenza A Virus {(H5N1)}
Avian Influenza A Virus {(H3N2)} {(Avian Reassortant)} {(VR-2072)}
Canine Coronavirus {(Clinical Isolate)}
Canine Distemper Virus {(VR-128)}
Feline Picornavirus {(VR-649)}
Infectious Bovine Rhinotracheitis Virus {(VR-188)}
Pseudorabies Virus {(VR-135)}
Swine Influenza A Virus {(H1N1)} {(Strain A/Swine/1976/31)}
Transmissible Gastroenteritis Virus {(TGE)} {(Clinical Isolate)}

This product kills the following viruses in 10 minutes at 4.5 oz. per gal. 400 ppm hard water {(2970 ppm active)} and 5% soil on hard, non-porous surfaces:

Canine Parvovirus** {(CPV)} {(Type 2b)}
Rabies Virus** {(Clinical Isolate)}

***Indicates that a dilution of 4.5 oz. per gal. of water is required for this claim.*

FUNGICIDAL ACTIVITY: This product kills the following fungi in 10 minutes at 1 oz. per gal. of 400 ppm hard water {(660 ppm active)} and 5% soil on hard, non-porous surfaces:

Candida albicans {(ATCC 10231)}
Trichophyton interdigitale {(formerly *T. mentagrophytes*)} {(ATCC 9533)}
{(Athlete's foot fungus)} {(Ringworm fungus)}

MARKETING CLAIMS

(Note to Reviewer: Marketing text is considered optional. Commas and the words “and” “or” can be added to phrases to make text grammatically correct. The locations/surfaces have been grouped for space purposes only; they can be used individually or grouped together in any order, however at least one location/surface must appear on the label. In the case where one or more location/surface is chosen, an “and” “&” “or” may be used to link locations/surfaces.)

This product is for use on hard, non-porous surfaces in *(insert location)*.

This product [{when used as directed} {can be used} {is formulated to [{disinfect} {clean} {sanitize} {deodorize}} {is formulated for use}] on {washable} hard, non-porous surfaces such as: *(insert surface)*.

For use {in} {on} *(insert location/surface)*.

{With Organic Soil {Load} {Tolerance} {For} *(insert location)*.

{LOCATIONS}

- Transportation terminals, public transportation, emergency vehicles, ambulances
- Automobiles, trucks, campers, RV's
- Correctional facilities, jails, prisons
- Funeral homes
- Health clubs, barber/beauty shops
- Schools, colleges, sports complexes, athletic facilities, gyms
- Convenience stores, retail and wholesale establishments, institutional kitchens, hotels
- Veterinary clinics, {dog} {cat} {animal} kennels, examination rooms and other animal care facilities
- Pharmaceutical manufacturing facilities
- Institutional, commercial, industrial sites, institutions, institutional facilities, public places, factories
- Restrooms, shower and bath areas
- Dairy, equine, poultry/turkey farms
- Federally inspected meat and poultry plants
- Food handling and processing areas
- Poultry Premises, Swine Premises
- Hospitals, medical and dental offices and clinics, healthcare facilities, nursing homes, laboratories, and medical research facilities

{SURFACES}

- Counters, sinks, tub surfaces
- Finished floors, high speed burnished floors, conductive flooring, walls, ceilings, fixtures
- Glass surfaces, metal, windows and mirrors, painted surfaces
- Shower stalls, toilet bowl surfaces, bathroom fixtures
- And other hard, non-porous surfaces
- Automobile interiors
- Hair clippers, washable nail files
- Cages, kennel/cage floors, examination tables
- Playground equipment
- Tanning spas/beds
- Ultrasonic baths, whirlpools
- Exercise equipment, athletic helmets, athletic mats, and locker rooms {areas}
- Hard, non-porous, non-food contact surfaces in food {preparation} {and} {storage} areas
- Hatchers, setters, trays, racks, egg flats, chick boxes, egg cases, vans and trash containers seed houses, poultry/turkey equipment, carts, sexing tables, and automated tray, rack and buggy washers, egg receiving and egg holding areas
- Hospital beds, examining tables, ambulance equipment/surfaces, medical equipment surfaces

(Note to Reviewer: *All the following marketing claims may be used with the prefix 'This product'*)

DISINFECTION MARKETING CLAIMS

- Cleans, sanitizes and disinfects hard, non-porous surfaces of personal protective safety equipment, protective headgear, athletic helmets, wrestling/boxing headgear, athletic shoe soles, hard hats, headphones, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water {about 120°F}, and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)
- Effective in hard water up to 400 ppm hardness {calculated as Ca CO₃} in the presence of 5% soil.
- Is a {concentrated} non-acid {bowl and} bathroom cleaner, which cleans, disinfects and deodorizes in one easy step when used according to the disinfection directions.
- Is a disinfectant and non-food contact surface sanitizer for Cleanroom and Laboratory areas to disinfect washable, hard, non-porous, non-food contact surfaces such as: Laminar-airflow equipment and BioSafety Cabinet work surfaces and exterior surfaces of the following: countertops, sinks, plumbing fixture surfaces, incubators, refrigerators¹ and centrifuge surfaces of metal, stainless steel, glass, plastic {such as polystyrene or polypropylene}, Formica®, and vinyl.
- Is effective against [{Canine Parvovirus**} {Rabies Virus**}].
- Is a no-rinse neutral pH disinfectant cleaner that disinfects, cleans and deodorizes hard, non-porous, non-food contact surfaces in one labor-saving step when used according to the disinfection directions.
- Is a versatile cleaner, sanitizer and broad-spectrum disinfectant which has been formulated for use on hard, non-porous bath and therapy equipment {Whirlpools}.
- Is a {versatile sanitizer and} broad-spectrum disinfectant which has been formulated for use on hard, non-porous surfaces in Ultrasonic Baths {Ultrasonic cleaning units}.
- Effective against SARS-CoV-2 virus {(agent of the respiratory illness COVID-19)} {(responsible for COVID-19)} [{²} {on hard, non-porous surfaces}]
- Meets surface disinfection recommendations from OSHA Bloodborne Pathogen Standard for HIV, HBV and HCV.

SANITIZATION MARKETING CLAIMS

- Is an effective sanitizer {in the presence of {{soils} {5% serum contamination}} on hard, non-porous, non-food contact surfaces.

GENERAL MARKETING CLAIMS

- Can be applied through foaming apparatus and low-pressure sprayers. Follow manufacturers' instructions when using this equipment.
- Contains no phosphorous.
- Formulated for effective Poultry Sanitation.
- Formulated for effective Swine Premise Sanitation.
- Non-acid bathroom cleaner.
- Non-dulling formula eliminates the time and labor normally required for rinsing floors.
- Use this product to treat hard, non-porous multi-touch surfaces responsible for cross-contamination.

CLEANING AND DEODORIZATION MARKETING CLAIMS

- Is a cleaner and [{deodorant} {odor counteractant} {odor-neutralizer}] designed for [{general cleaning}, {and} {disinfecting}, {deodorizing} {and controlling mold and mildew}] on hard, non-porous surfaces.
- Neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.
- Will effectively inhibit the growth of mold and mildew {(Aspergillus niger)} and the odors caused by them when applied to hard, non-porous surfaces {leaving bathrooms and kitchens clean and fresh smelling}.

PACKAGING CLAIMS

- Concentrate{d}.
- Easy to Use.

FOOTNOTES

¹Allow surfaces to come to room temperature (approximately 20°C) before treatment.

²When used as directed on hard, non-porous surfaces.

(Note to Reviewer (General Considerations): *Numbered instructions will be used if label space permits, otherwise may appear in paragraph format. The list of organisms can be formatted into paragraph form using a comma to separate organisms. Unit abbreviations can be spelled out. Note symbols such as asterisks (*) and daggers (†) may be replaced with equivalent symbols. When choosing optional text, appropriate punctuation can be inserted or deleted. Equivalent use dilution ratios may be substituted within the directions.*



DIRECTIONS FOR USE

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

Rinse hard, non-porous food contact surfaces with potable water after application of product.

(Note to Reviewer: *The following statement may be used if any food premise locations are listed on the final label.)* {Before using this product {in federally inspected meat and poultry food processing plants and dairies}, food products and packaging materials must be removed from the room or carefully protected.}

(Note to Reviewer): *One of the two following phrases must appear on the label. Use the first phrase where space allows.*

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

(OR)

This product is not for use on medical device surfaces.

FOR USE AS A {ONE-STEP} {GENERAL} {HOSPITAL} {MEDICAL} DISINFECTANT {FUNGICIDE} {VIRUCIDE*} {DEODORIZER} {CLEANER}:

1. Pre-clean visibly soiled areas.
2. Apply use solution of 1 oz. of this product per gal. of water {(or equivalent use dilution)} to disinfect hard, non-porous, non-food contact surfaces with a sponge, brush, cloth, mop, {by immersion}, {auto scrubber}, {{mechanical spray device,} {{hand pump} {coarse}} trigger spray device}. For spray applications, spray 6-8 inches from surface. Do not breathe spray.}
3. Treated surfaces must remain visibly wet for 10 minutes.
4. [{Wipe dry} {with a clean cloth} {or} {allow to air dry}.] {Rinsing of floors is not necessary unless they are to be waxed or polished.}
5. Prepare a fresh solution daily or when visibly dirty.

BLOODBORNE PATHOGEN INSTRUCTIONS (Note to Reviewer: Heading is optional. If instructions used, all indented text must be included.):

***KILLS HIV, HBV AND HCV ON PRE-CLEANED HARD, NON-POROUS SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of hard, non-porous 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)}, Hepatitis B Virus {(HBV)} and Hepatitis C Virus {(HCV)}.

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

Personal Protection: [{Wear protective latex gloves, gowns, masks and eye protection} {Specific barrier protection items to be worn when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks and eye protection}].

Cleaning Procedure: Blood and other body fluids {containing HIV-1, HBV & HCV} must be thoroughly cleaned from hard, non-porous surfaces and objects before application of this product.

Disposal of Infectious Materials: Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: Allow hard, non-porous surfaces to remain visibly wet for 10 minutes for all organisms.

SURGICAL INSTRUMENT PRESOAK: [{Add} {Mix}] 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(660 ppm active)}.] Place pre-cleaned instruments in solution to presoak surgical instruments for a minimum of 10 minutes, then proceed with normal sterilization procedure.

Note: Plastic instruments can remain immersed until sterilization procedure. Metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle until sterilization procedure. Prolonged soaking will cause damage to metal instruments. Surgical instruments must be sterilized before use. Prepare a fresh solution daily or when visibly dirty.

ULTRASONIC BATH DISINFECTANT DIRECTIONS: Pre-clean visibly soiled areas. Use this product to disinfect hard, non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour a fresh solution of 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(660 ppm active)} directly into bath chamber. Place objects into unit and operate {according to manufacturers' use directions} for a minimum of 10 minutes. Remove objects and rinse with sterile water. Allow to air dry. Prepare a fresh solution daily or when visibly dirty.

FOR DISINFECTING USE ON HARD, NON-POROUS {SEALED FIBERGLASS} BATH AND THERAPY EQUIPMENT: Drain the water from the unit. Pre-clean visibly soiled surfaces {to remove body oils, dead tissue, soil and all other buildups}. Prepare a use solution by adding 1 oz. of this product per every 1 gal. of water {(or equivalent use dilution)} {(660 ppm active)}. Refill the unit with the use solution to just cover the intake valve. Briefly start the pump to circulate the solution. Turn off pump. Wash down the unit sides, seat of the chair lift, and all related equipment with a clean swab, brush or sponge. Treated surfaces must remain visibly wet for 10 minutes for proper disinfection. After the unit has been thoroughly disinfected, drain solution from the unit and rinse surfaces with fresh water. The unit is ready for reuse.

CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT {(RESPIRATORS)}: Pre-clean equipment if visibly soiled to ensure proper surface contact. Prepare a use solution by adding 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(660 ppm active)}. Gently mix for uniform use solution. Apply use solution to surfaces of the respirator with a sponge, brush, cloth, {by immersion}, {{mechanical spray device,} {{{hand pump} {coarse}} trigger spray device.} For spray applications, spray 6-8 inches from surface. Do not breathe spray.} Treated surfaces must remain visibly wet for 10 minutes. Rub with brush, cloth, or sponge and remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR § 1910.134). Prepare a fresh solution daily or when visibly dirty.

SANITIZING

{NON-FOOD CONTACT SURFACE SANITIZING DIRECTIONS}

NON-FOOD CONTACT SURFACE SANITIZING: Pre-clean visibly soiled areas. Add 1 oz. of this product per gal. of water {(660 ppm active)} {(or equivalent use dilution)}. Apply solution to hard, non-porous surfaces with a sponge, brush, cloth, mop, {by immersion}, {auto scrubber}, {{mechanical spray device,} {{{hand pump} {coarse}} trigger spray device.} For spray applications, spray 6-8 inches from surface. Do not breathe spray.} Treated surfaces must remain visibly wet for 3 minutes. Prepare a fresh solution daily or when visibly dirty.

{{SHOE} {BOOT} {ENTRYWAY}} {BATH} SANITIZER DIRECTIONS: To reduce cross contamination on treated surfaces [{{from} {area to area,} {in} {animal areas,} {entryways} {and} {the packaging and storage areas of food plants}}, shoe baths containing one inch of freshly made sanitizing solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in a 1 – 2 oz. of this product per gal. of water {(or equivalent use dilution)} {(660 – 1320 ppm active)} use solution {or allow to remain visibly wet} for 3 minutes prior to entering area. Prepare a fresh solution daily or when visibly dirty.

(For food processing or other facilities that have installed entryway sanitizing systems.)

ENTRYWAY SANITIZING SYSTEMS: To reduce cross contamination on treated surfaces from area to area, set the system to deliver 1 - 2 oz. of this product per gal. of water {(or equivalent use dilution)} {(660-1320 ppm active)} of sanitizing solution. The [{{spray} {foam}}] must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

Do not mix other foam additives with the sanitizing solution.

FUNGICIDAL / MOLD / MILDEW

TO KILL FUNGI: Pre-clean visibly soiled areas. Prepare use solution by adding 1 oz. of this product per gal. of water {or equivalent use dilution}. Apply use solution to hard, non-porous surfaces. Allow surface to remain visibly wet for 10 minutes. Wipe surfaces {(and let air dry)}.

TO CONTROL MOLD/MILDEW: Pre-clean visibly soiled areas. Prepare use solution by adding 1 oz. of this product per gal. of water {(or equivalent use dilution)}. Apply use solution to hard, non-porous surfaces which will effectively inhibit the growth of mold and mildew and their odors. Repeat treatment every seven days, or more often if new growth appears.

ANIMAL PREMISES

{ANIMAL PREMISES:}

(Note to reviewer: *The following statement will be used on all labels with use directions for animal premises except terrariums, small animal cages, and reptile tanks.*)

Prior to use of this product, remove all animals {poultry} and feeds from [{premises} {areas to be treated}], animal transportation vehicles {trucks, cars}, and enclosures {coops, crates, kennels, stables}. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by {poultry or other} animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

{FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE*: Prepare a use solution of 1 oz. of this product per gal. of water {(1:128) {(660 ppm active)} {(or equivalent use dilution)} for effectiveness against designated animal viruses on the label.}

{FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIRUCIDE:** Prepare a use solution of 4.5 oz. of this product per gal. of water {(1:28) {(2970 ppm active)} {(or equivalent use dilution)} for effectiveness against designated animal viruses on the label.}

Apply use solution to disinfect hard, non-porous surfaces with a sponge, brush, cloth, {by immersion}, {{mechanical spray device,} {{{hand pump} {coarse}} trigger spray device}. For spray applications, spray 6-8 inches from surface. Do not breathe spray.} Immerse all halters and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure in the use solution. Treated surfaces must remain visibly wet for 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house [{animals} {poultry} {livestock}] or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other treated equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

HATCHERIES: Use to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard, non-porous surfaces. Use 1 oz. of this product per gal. of water {(or equivalent use dilution)}. Leave all treated surfaces visibly wet for 10 minutes or more. Allow to air dry.

VEHICLES: To clean hard, non-porous surfaces on vehicles including mats, crates, cabs, and wheels, use 1 oz. of this product per gal. of water {(or equivalent use dilution)}. Apply use solution to hard, non-porous surfaces on vehicles. Leave treated surfaces visibly wet for 10 minutes. Allow to air dry.

FOGGING

{FOGGING IN FOOD PREMISES}

ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING.

DIRECTIONS FOR CLEANING IN DAIRIES, BEVERAGE AND FOOD PROCESSING PLANTS USING FOGGING DEVICES: Prior to fogging, food products and packaging material must be removed from the room or carefully protected. After disinfecting, fog desired areas using 1 quart per 1,000 cubic feet of room area with a solution containing 4 oz. of product per gal. of water {(1,200 ppm active)} {(or equivalent use dilution)}. Wear a minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N filter when mixing the use solution and pouring it into the fogging apparatus. Higher level respirators that are NIOSH approved for particulates can also be used. Vacate the area of all personnel during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. When fogging is complete, ventilate

buildings and other closed spaces. All food contact surfaces must be sanitized with an EPA approved food contact sanitizer solution prior to use. All food contact surfaces must be thoroughly rinsed with potable water prior to sanitizing.

Note: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must a room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N filter, goggles, long sleeves, gloves and long pants.

{FOGGING IN POULTRY HOUSES}

ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING.

CLEANING OF HATCHERY ROOMS USING FOGGING DEVICES: Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water. Close room off so fog is confined to room to be treated. Mix 2.5 gal. of this product per 5 gal. of water {(or equivalent use dilution)}. Wear a minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N filter when mixing the use solution and pouring it into the fogging apparatus. Higher level respirators that are NIOSH approved for particulates can also be used. Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of space in the room. Vacate the area of all personnel during fogging and for a minimum of 2 hours after fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. When fogging is complete, ventilate buildings and other closed spaces. Do not house [{livestock} {animals}] or employ equipment until treatment has been absorbed or dried. Thoroughly clean all treated surfaces with soap or detergent and rinse with water.

Note: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances must a room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N filter, goggles, long sleeves, gloves and long pants.

BARBER / SALON

FOR USE AS A DISINFECTANT, FUNGICIDE, VIRUCIDE* OF GROOMING CLIPPERS, HAIR CLIPPERS, ELECTRIC SHEARS, BARBER/SALON SHEARS AND OTHER IMPLEMENTS {, [{BARBER} {MANICURE} {NAIL} {SALON}] INSTRUMENTS AND TOOLS: {Remove hair, dandruff and dust particles prior to disinfecting the blades. [{Turn the clipper off occasionally during use and spray between the teeth of blades} {While clipper/shear is running, hold in the downward position and spray}] with a use solution of 1 oz. of this product per gal. of water {(or equivalent use dilution)}. Do not spray on the clipper case or drip into clipper housing.} Immerse pre-cleaned barber/salon tools such as combs, brushes, {plastic rollers,} razors, {{clipper and/or trimmer} blades}, {tweezers,} manicure/pedicure tools, scissors, and other salon instruments and tools in a use solution of 1 oz. per gal. of water {(or equivalent use dilution)} for at least 10 minutes. Rinse thoroughly and dry before use. Prepare a fresh solution daily or when visibly dirty.

Note: Plastic instruments can 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 will cause damage to metal instruments.

FOR USE AS A DISINFECTANT, FUNGICIDE, VIRUCIDE* OF HARD, NON-POROUS SURFACES IN FOOTBATHS: To remove body oils, dead tissue, soil and all other buildups or organic matter on surfaces after using the footbath, drain the water and thoroughly clean surfaces with soap or detergent, then rinse with water. Apply a use solution of 1 oz. of this product per gal. of water {(or equivalent use dilution)} on surfaces with a brush, cloth, mop, sponge, {{{hand pump} {coarse}} trigger spray device}. For spray applications, spray 6-8

inches from surface. Do not breathe spray.} Allow surfaces to remain visibly wet for 10 minutes. After the unit has been thoroughly disinfected, rinse surfaces with fresh water. The unit is then ready for reuse.

RESTROOM / BATHROOM

NON-ACID TOILET BOWL AND URINAL DISINFECTANT {/CLEANING} DIRECTIONS

Remove visible soil prior to disinfection.

From a Concentrate: Add 1 oz. of this product directly into the water in the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a toilet [{brush} {mop}], cloth, or sponge. Allow surfaces to remain visibly wet for 10 minutes and flush.

From a Use Solution: Empty water out of toilet bowl {or urinal} and apply use-solution prepared by adding 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(660 ppm active)} to exposed surfaces, including under the rim with a toilet [{brush} {mop}], cloth, or sponge, {{{[hand pump] {coarse}} trigger spray device}. For spray applications, spray 6-8 inches from surface. Do not breathe spray.} Allow surfaces to remain visibly wet for 10 minutes and flush.

TO CLEAN WATERFREE {/WATERLESS} URINALS: Remove any debris from the urinal. Spray 0.5 to 1 oz. of use solution onto urinal surface. To prepare use solution: Add 1 oz. of this product per gal. of water {(or equivalent use dilution)} {(660 ppm active)}. DO NOT spray product directly onto cartridge. Wipe surface to clean. Change cartridge as needed. The unit is ready for use.

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean visibly soiled areas.
2. Apply use solution of 1 oz. of this product per gal. of water {(660 ppm active)} {(or equivalent use dilution)} to floors, walls and ceilings making sure not to over spray. To disinfect, all hard, non-porous surfaces must remain visibly wet for 10 minutes.
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.
5. Prepare a fresh solution daily or when visibly dirty.

DEODORIZATION / CLEANING

GENERAL DEODORIZATION: To deodorize, apply 1 - 2 oz. of this product per gal. of water {(or equivalent use dilution)} to hard, non-porous surfaces. [{Rinse} {Wipe up excess liquid {with a paper towel}}] {and} {or} {Allow to air dry}}. Rinse with potable water after use on surfaces that come in contact with food.

CARPET CLEANING

SPECIAL INSTRUCTIONS FOR CLEANING CARPETS: This product can be used to clean carpets in industrial, institutional, commercial areas such as motel & hotel chains, nursing homes, schools and hospitals. For use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

For Portable Extraction Units: Mix 1 - 2 oz. of this product per gal. of water {(or equivalent use dilution)}.

For Truck Mounted Extraction Machines: Mix 1 - 2 oz. of this product per gal. of water {(or equivalent use dilution)} and meter at 4 gal. per hour.

For Rotary Floor Machines: Mix 1 - 2 oz. of this product per gal. of water {(or equivalent use dilution)} and apply at the rate of 300-500 sq. ft. per gal.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

Note: This product must not be mixed with other cleaning products.

OTHER USES

SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTING AREAS WHICH MAY BE INFESTED WITH HANTAVIRUS: Infection with Hantavirus occurs by inhalation of infectious materials. CDC recommends that persons involved with cleanup wear coveralls, {disposable, if possible}, rubber boots or disposable shoe covers, rubber or plastic gloves, protective goggles, and a half mask air purifying, negative pressure respirator with a high efficiency particulate air {HEPA} filter or a powered air-purifying respirator {PAPR} with HEPA filter. Disinfect Personal protective gear upon removal at the end of the day. If coveralls are not disposable, they must be laundered on site. If no laundry facilities are available, the coveralls must be immersed in liquid disinfectant until they can be washed. All potential infective waste material {including respirator filter} from cleanup operations that cannot be burned or deep buried on site must be double bagged in appropriate plastic bags. The bagged material must then be labeled as infectious {if it is to be transported} and disposed of in accordance with local requirements for infectious wastes. Rodent droppings and visible dust can be reservoirs for Hantavirus. If you are cleaning out a building that has been closed up, such as a cabin, shed or garage:

1. Air out the building for at least 30 minutes by opening windows and doors.
2. Leave the building while it is airing out.
3. Do not vacuum, sweep or dust. This may spread the virus through the air.
4. Thoroughly wet the contaminated areas with a use solution prepared by adding 1 oz. of this product per gal. of water {(660 ppm active)} {(or equivalent use dilution)} and allow to stand undisturbed for 10 minutes.
5. Carefully remove contaminated material and dispose by burial or burning. Contact your local and state health department for additional disposal methods.
6. Treat the surface again following the label directions and allow solution to stand undisturbed for 10 minutes.

EMERGING VIRAL PATHOGEN CLAIMS

(Note to Reviewer: None of the language in this section is to appear on any final printed label.)

This product qualifies for emerging viral pathogen claims per EPA's "Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens Not on EPA-Registered Disinfectant Labels" when used according to the appropriate directions for use, as indicated below.

This product meets the criteria to make claims against certain emerging viral pathogens from the following viral categories:

- Enveloped Viruses
- Large Non-Enveloped Viruses
- Small Non-Enveloped Viruses

<i>For an emerging viral pathogen that is a/an...</i>	<i>...follow the directions for use for the following organisms on the label:</i>
Enveloped virus	Feline Picornavirus
Large, non-enveloped virus	Feline Picornavirus
Small, non-enveloped virus	Canine Parvovirus

The following statements may be used only in off-label communications as described in EPA's Emerging Viral Pathogens guidance, and only under the conditions outlined in that guidance:

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

STORAGE AND DISPOSAL

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

{PESTICIDE} STORAGE: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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 HANDLING:

(Note to Reviewer: One or more of the following paragraphs for Container Handling will be selected, depending on packaging use/type.)

{For products with industrial, institutional, commercial use – May choose appropriate non-refillable/refillable statement.}

{For non-refillable containers equal to or less than 5 gal.}

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

{For non-refillable containers greater than 5 gal.}

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container {(or equivalent)} promptly after emptying. Triple rinse as follows: Fill the container $\frac{1}{4}$ 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 back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.