

1839-215

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

JUN 17 2009

Mr. Thomas W. Issac
Stepan Company
22 W. Frontage Road
Northfield, IL 60093

Subject: ACLD-128
EPA Registration No.: 1839-215
Application Date: December 19, 2008
EPA Receipt Date: December 19, 2008

Dear Mr. Issac,

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

- Change Primary Brand Name
- Addition of microorganisms, use sites, surfaces, claims, and directions
- Amend Basic and alternate formulations 1-7

Conditions

Revise the label as follows:

1. Qualify the surfaces, porcelain tile, granite, and marble, on page 2 as hard nonporous by stating "glazed" porcelain tile, "sealed" granite, and "sealed" marble.

2. Revise the "Disinfection" directions on page 4 by adding the following statements:

All surfaces that come in contact with food must be rinsed with potable water. Do not use on utensils, glasses, and dishes.

3. The last statement under "Fungicidal Activity" on page 5 must be brought into compliance with PR Notice 2001-5, Mandatory Labeling by deleting the term, should, and stating "must."

4. Revise the "Personal Protection" statement under the "HIV" directions on page 6 by deleting the term, or, and stating "and." The use of ~~CONCURRENCES~~ personal protection equipment is not

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optional.

5. Revise the first statement under Environmental Hazards on page 10 to be in agreement with the ADBAC and DDAC REDs by stating "This pesticide is toxic to fish, aquatic invertebrates, oysters, and shrimp."

6. The container rule no longer separates "Storage and Disposal" by container size; it is distinguished by use pattern such as residential, industrial, institutional, or commercial. Therefore, delete the "Container Disposal" statements for institutional products in containers 1 gallon or less.

7. Revise the "Container Disposal" statements for containers greater than and less than 5 gallons by deleting the triple rinse instructions because it compromises the product's efficacy by pouring rinsate into the application equipment. The Antimicrobials Division is currently working with the Container Rule workgroup to develop appropriate triple instructions. In the interim, all public health use dilution products will use PR Notice 83-3 container disposal instructions by stating "Nonrefillable container. Do not reuse this container. Triple rinse or equivalent."

8. Revise the "Container Disposal" statement for residential products and institutional products by stating "Then offer for recycling or reconditioning. If not available, dispose in a sanitary landfill (or trash for residential containers)."

Acceptable Data

Data Requirement	Means of Support	Status
AOAC Confirmatory Use Dilution against <i>S. aureus</i> , <i>S. enterica</i> , <i>P. aeruginosa</i>	Submitted study, MRID 476336-01	Acceptable, 1:128 dilution in 5% soil for 10 minutes
Sanitizing Efficacy on NonFood Contact Surfaces - <i>E. coli</i> O157:H7	Submitted study, MRID 476336-09	Acceptable, 1:128 dilution in 5% soil for 15 seconds
Virucidal Effectiveness Test - Rotavirus	Submitted study, MRID 476336-10	Acceptable, 1:128 dilution in 5% soil for 5 minutes
Sanitizing Efficacy on NonFood Contact Surfaces- <i>K. pneumoniae</i> and <i>S. aureus</i>	Submitted study, MRID 476336-11	Acceptable, 1:128 dilution in 5% soil for 15 seconds
Sanitizing Efficacy on NonFood Contact Surfaces - <i>P. aeruginosa</i>	Submitted study, MRID 476336-12	Acceptable, 1:128 dilution in 5% soil for 15 seconds
Virucidal Effectiveness Test - Bovine Viral Diarrhea Virus	Submitted study, MRID 476336-13	Acceptable, 1:128 dilution in 5% soil for 5 minutes
Confirmatory Virucidal Effectiveness Test- Bovine Viral Diarrhea Virus	Submitted study, MRID 476336-14	Acceptable, 1:128 dilution in 5% soil for 5 minutes
Virucidal Effectiveness Test - Coronavirus	Submitted study, MRID 476336-15	Acceptable, 1:128 dilution in 5% soil for 5 minutes
Virucidal Effectiveness Test - Avian Influenza Virus	Submitted study, MRID 476336-16	Acceptable, 1:128 dilution in 5% soil for 5 minutes
Virucidal Effectiveness Test - <i>E. coli</i> Extended Spectrum B-Lactamase	Submitted study, MRID 476336-17	Acceptable, 1:128 dilution in 5% soil for 5 minutes
Sanitizing Efficacy on NonFood Contact Surfaces - <i>E. faecium</i> VRE	Submitted study, MRID 476336-19	Acceptable, 1:128 dilution in 5% soil for 15 seconds
Sanitizing Efficacy on NonFood Contact Surfaces - <i>S. aureus</i> MRSA	Submitted study, MRID 476760-01	Acceptable, 1:128 dilution in 5% soil for 15 seconds
Sanitizing Efficacy on NonFood Contact Surfaces - <i>E. aerogenes</i>	Submitted study, MRID 476760-02	Acceptable, 1:128 dilution in 5% soil for 15 seconds

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General Comments

The primary brand name, SC-NDC-128, is acceptable.

The Confidential Statements of Formulas for the basic and alternate formulations 1-7 dated December 19, 2008 is acceptable. They are in compliance with PR Notice 91-2 and in agreement with the label.

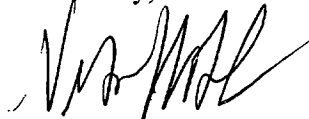
A stamped copy of the label accepted with conditions is enclosed. Submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling.

Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

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

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,



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

Enclosures: Stamped Label
Efficacy Data Evaluation

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4/15

SC-NDC-128

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 17 2009

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

1839-215

- CLEANER
- DISINFECTANT
- DETERGENT
- *VIRUCIDE
- FUNGICIDE (against pathogenic fungi)
- MILDEWSTAT (on hard, non-porous, inanimate surfaces)
- DEODORIZER

- CITRUS CANKER CONTROL (Not for Use in California)
- MUSHROOM FARM SANITATION (Not for Use in California)

- KILLS GERMS
- Effective in the presence of 5% serum contamination
- For Home, Hospital, Institutional and Industrial Use
- For Farm, School, Restaurant, Food Handling and Processing Areas,
Equine, Poultry/Turkey Farm, Bar, Tavern and Institutional Kitchen Use
- Formulated for Effective Farm Premise Sanitation
- Formulated for Effective Poultry Premise Sanitation
- Formulated for Effective Swine Premise Sanitation
- Formulated for Effective Veterinary Practice/Animal Care/Animal Laboratory Disinfection
- One-Step Disinfectant, Germicidal Cleaner and Deodorant
- Staphylocidal/Pseudomonocidal/Salmonellacidal/Fungicidal/*Virucidal
- Contains no phosphorous nor nonyl phenol ethoxylate detergents
- Kills 99.9% of bacteria in (just) 15 seconds

ACTIVE INGREDIENTS

Didecyl dimethyl ammonium chloride..... 6.288%
 N-Alkyl (50% C₁₄, 40% C₁₂, 10% C₁₆)
 dimethyl benzyl ammonium chloride.....4.192%

INERT INGREDIENTS..... 89.520%
Total.....100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

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. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

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

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBER (OPTIONAL) You may contact xxx/xxx-xxxx for emergency medical treatment information.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

See side (back) panel for additional precautionary (and first aid) statements.

EPA REG. NO. 1839-215

EPA EST. NO. 1839-IL-01

STEPAN COMPANY

22 West Frontage Road
Northfield, IL 60093

NET CONTENTS

(OPTIONAL) NET CONTENTS: XX ounces per packet

SC-NDC-128 (This product or product name) is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes schools, households, colleges, veterinary clinics, animal life science laboratories, food processing plants, food service establishments, transportation terminals, office buildings, manufacturing facilities, hotels, lodging establishments, retail business, athletic/recreation facilities, sports stadiums, amphitheaters and convention centers where housekeeping is of prime importance in controlling cross-contamination. For use in federally inspected meat and poultry plants.

SC-NDC-128 (this product or product name) for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, operating rooms, isolation wards, and medical research facilities.
- Restaurants and bars, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Supermarkets, convenience stores, retail and wholesale establishments, dressing rooms and laundries.
- Crime scenes and funeral homes.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals.
- (Institutional) (household) kitchens and bathrooms.
- Institutions, schools and colleges, churches, classrooms, athletic facilities and locker rooms.
- Camp grounds, play grounds, and recreational facilities.
- Food processing plants, dairy farms, hog farms, poultry and turkey farms and egg processing plants.
- Veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, and other animal care facilities.
- Automotive garages, boats, ships, campers, trailers, mobile homes, cars, buses, trains, taxis and airplanes.
- Health clubs, spas, tanning spas, massage/facial salons, hair/nail salons, barber/beauty shops, tattoo parlors.
- (This product or product name) is a one step neutral disinfectant that is effective against a broad spectrum of bacteria, is *virucidal (Including HIV-1 and HBV) and inhibits the growth of mold and mildew and their odors when use as directed.
- SC-NDC-128 (This product or product name) saves time, labor, and cost. It is especially formulated to be non-dulling to floor finishes and requires no rinsing.
- SC-NDC-128 (this product or product name) is a broad-spectrum germicidal cleaner and deodorant that is effective at 1:128 (1 ounce per gallon) dilution in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic blood serum.

(This product or product name), when used as directed, is formulated to disinfect hard, non-porous, inanimate, environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets.

- Non-food contact glass, metal, stainless steel, glazed porcelain, glazed ceramic, granite, marble, plastic, chrome and vinyl.
- Tables, chairs, desks, bed frames, walls, cabinets, doorknobs and garbage cans.
- Non-wooden picnic tables and outdoor furniture except cushions and wood frames.
- Telephones.
- Non-food contact counter tops, sinks, refrigerator exteriors, coolers, freezer exteriors, stovetops, appliances, non-food contact equipment, shelves, racks and carts.
- Shower stalls, shower doors and curtains, tubs and glazed tiles, toilets, urinals, porcelain tile and restroom fixtures.

- Kennels and cages.
- Windows and mirrors.
- For larger areas such as operating rooms, patient care facilities, and restrooms, (this product or product name) is designed to provide both general cleaning and disinfecting.
- Large inflatable non-porous plastic (rubber) (advertising) structures: animals, promotional items, moonwalks, slides, obstacle course play equipment, exercise equipment, exercise mats, wrestling mats.

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

(This product or product name) is a no rinse neutral disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

When used as directed, (this product or product name) will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

(This product or product name) is formulated to a neutral pH, yet provides effective cleaning strength that will not dull high gloss floor finishes.

(This product or product name) cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

(This product or product name) will not scratch (showers) (tubs) (shower doors) (fixtures) (and) (toilet bowls).

(This product or product name) is for use in institutional kitchens and bathrooms.

(This product or product name) is an economical concentrate that can be used with a mop and bucket, trigger sprayers or sponge.

Use (this product or product name) to clean and disinfect non-porous personal protective safety equipment, protective headgear, hard hats, 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. (Caution: Cleaning at the 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

Use (this product or product name) to disinfect non-porous salon/barber tools and instruments: combs, brushes, razors, clippers, scissors, trimmer blades, and manicure/pedicure instruments.

(This product or product name) is used for Poultry Premise Sanitation (Hatcheries):

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings

(This product or product name) is used for Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes

DIRECTIONS FOR USE

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

(For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used:)

(This product or product name) 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.

or

(This product or product name) is not for use on critical and semi-critical medical device surfaces.

DISINFECTION –To disinfect inanimate, hard non-porous surfaces add 1 ounce of (this product or product name) per gallon of water. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh use-solution daily or more often if the use-solution becomes visibly (dirty), (contaminated) or diluted.

PACKETS - *Pre-measured tear open packets* – (Simply) (tear) open and pour contents into XX gallons of water (for a 1:128 dilution). Keep packets in box until ready to use. (Pour contents of packet into XX gallons of water for a 1:128 dilution.)

or

Pour contents of (1 or 2 oz) packet into (1 or 2) gallons of water. Keep packets in box until ready to use.

To disinfect toilet bowls – Prior to disinfection, remove gross filth or soils from surfaces with bowl brush. Add 1 ounce of (this product or product name) to the bowl water. Brush or swab the bowl completely using a scrub brush or toilet mop making sure to get under the rim. Let stand for 10 minutes and flush.

Non-Acid Toilet Bowl Disinfection/Cleaner Directions: Remove gross filth prior to disinfection.

From concentrate: Add 1 ounce per gallon (8 milliliters per liter) to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

From use-solution: Empty toilet bowl or urinal and apply 1 ounce per gallon (8 milliliters per liter) use-solution to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

For heavy duty use: Empty toilet bowl or urinal and apply 4 ounces per gallon (32 milliliters per liter) use-solution to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

To disinfect food processing premises: Before using (this product or product name), food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 1 ounce of (this product or product name) per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. All surfaces that may come in contact with food must be rinsed with potable water.

To disinfect food service establishment (restaurant) food contact surfaces: Before using (this product or product name), food products and packaging materials must be removed from the area or carefully protected. For countertops, appliances, tables, add 1 ounce of (this product or product name) per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. (This product or product name) cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

SC-NDC-128 (this product or product name) is a broad-spectrum germicidal cleaner and deodorant that is effective at 1:128 (1 ounce per gallon) (equivalent use dilution) in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic blood serum.

BACTERICIDAL ACTIVITY:

Bactericidal in 10 minutes against: *Pseudomonas aeruginosa* (ATCC 15442), *Staphylococcus aureus* (ATCC 6538), *Salmonella (choleraesuis) enterica* (ATCC 10708) and *Enterobacter aerogenes* (ATCC 13048).

Bactericidal in 5 minutes against: *Enterococcus faecium* (ATCC 6569), *Escherichia coli* (ATCC 8739), *Salmonella (typhimurium) enterica* (ATCC 14028), *Proteus mirabilis* GBL 34 Clinical Isolate, *Proteus vulgaris* (ATCC 33420), *Salmonella (typhi) enterica* (ATCC 6539), *Serratia marscescens* (ATCC GBL-NC 76 Industry Isolate), *Shigella flexneri* (ATCC 12022), *Streptococcus pyogenes* (ATCC 19615), *Shigella sonnei* (ATCC 9290), *Staphylococcus epidermidis* (ATCC 14990), *Yersinia enterocolitica* (ATCC 23715), *Salmonella (enteritidis) enterica* (ATCC 13076), *Listeria monocytogenes* (ATCC 984), *Klebsiella pneumoniae* (ATCC 13883). **ANTIBIOTIC RESISTANT BACTERIA:** Vancomycin resistant *Enterococcus faecium* (VRE), Antibiotic resistant *Staphylococcus epidermidis*, Antibiotic resistant *Escherichia coli*, Antibiotic resistant *Enterococcus faecium*, Antibiotic resistant *Klebsiella pneumoniae*, Methicillin resistant *Staphylococcus aureus* (MRSA) (ATCC 33591), Oxacillin resistant *Streptococcus pneumoniae* (ATCC 35088).

***VIRUCIDAL ACTIVITY:**

***Virucidal in 5 minutes** against: Herpes simplex Type 1 (ATCC VR-733), Herpes simplex Type 2 (ATCC VR-734), Influenza Virus Type A₂ (ATCC VR-544), Pseudorabies Virus (ATCC VR-135), Respiratory Syncytial Virus (SRV) (ATCC VR-26), Vaccinia Virus (ATCC VR-119), Rotavirus (ATCC VR-899), Bovine Viral Diarrhea Virus (BVDV) (ATCC 543) and Avian Influenza Virus H9N2.

***Virucidal in 3 minutes** against: Hepatitis B Virus (HBV).

***Virucidal in 30 seconds** against: Human Immunodeficiency Virus Type 1.

MILDEWICIDAL ACTIVITY: At a (1:128) (1 ounce per gallon) (equivalent dilution) dilution 400 ppm hard water (calculated as CaCO₃) and 5% organic blood serum, SC-NDC-128 (this product) (product name) will kill *Aspergillus niger* (ATCC 6275) when applied to hard, non-porous surfaces. Allow surface to remain wet for 10 minutes and let air dry. Repeat when mildew growth returns.

FUNGICIDAL ACTIVITY: At the 1 ounce per gallon dilution (equivalent dilution), (this product or product name) is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (ATCC 9533) (Athlete's Foot Fungus) (a cause of ringworm) (a cause of ringworm of the foot) and *Candida albicans* (ATCC 10231). Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, for *Candida albicans* allow surface to remain wet for 5 minutes, then remove excess liquid. Diluted product ~~should~~ be applied daily or more frequently with heavy facility use.

KILLS HIV-1 and HBV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) or 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 (associated with AIDS) and Hepatitis B Virus (HBV).

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

PERSONAL PROTECTION: When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of (this product or product name).

CONTACT TIME: HIV-1 is inactivated after a thirty (30) second contact time. HBV is inactivated after a three minute contact time. Use either a five (5) or ten (10) minute contact time for other organisms as stated on the label.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

EFFICACY TESTS HAVE DEMONSTRATED THAT (THIS PRODUCT OR PRODUCT NAME) IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, *VIRUCIDE AND MILDEWCIDE IN WATER UP TO 400 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

GENERAL CLEANING – Apply (this product or product name) to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. (This product or product name) can be diluted at 1 ounce per gallon or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

DEODORIZATION - To deodorize, apply (this product or product name) as indicated under the heading DISINFECTION.

(Not for Use in California)

MUSHROOM FARM SANITATION – This product disinfects, cleans, and deodorizes in one step. Apply to surfaces which do not come in contact with the crop, compost or casing. Remove gross filth and heavy soil deposits using a shovel, broom or vacuum depending on the area to be disinfected. For heavily soiled areas, a pre-cleaning step is required. Apply this product at 1 ounce per gallon of water dilution (1:128), thoroughly wetting the surfaces with a mop, sponge, cloth, spraying or soaking. Treated surfaces must remain wet for 10 minutes and let air dry. The use-solution is prepared fresh for each use, then discarded. If greater detergency is required, dilute this product at 2 to 4 ounces per gallon of water. **DO NOT APPLY TO MUSHROOM CROP, COMPOST OR CASING.**

FOR FOOT DIP OF WATERPROOF FOOTWEAR – Use this product at 1 ounce per gallon of water in foot dip tray. Shoe baths must contain at least 1 inch of freshly made solution and must be placed at the entrances to buildings. Scrape shoes and place in diluted solution for 10 minutes before entering building. Change solution in bath daily or sooner if solution appears dirty.

BACTERICIDAL ACTIVITY – When diluted at 1 ounce per gallon, this product demonstrates effective disinfectant activity against the following **mushroom** pathogens: *Pseudomonas tolaasii* (Blotch Disease) and *Pseudomonas* sp. (Mummy Disease).

(Not for Use in California)

CITRUS CANKER CONTROL – For prevention of Citrus Canker Disease through treatment of equipment. This product, when used at a 1:54 dilution (2000 ppm active quaternary) or 2.36 ounces (70 ml) per gallon of water, is effective against *Xanthomonas axonopodis* pathovar *citri* (Citrus Canker). Treat all trucks, vehicles, and equipment thoroughly at the 1:54 dilution. Treatment can be applied to trucks, attached trailers, field harvesting equipment; including cargo area, wheels, tires, under carriage, hood, roof, fenders and any other part of transportation equipment that can be taken into infested areas. To prevent the spread of Citrus Canker by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing, using the maximum rate of 2000 ppm quaternary. After use, all surfaces which come in contact with food or crop must be rinsed with potable water.

POULTRY (AND SWINE) PREMISE DISINFECTION

Site Preparation: The first step in any on-going disinfection program must be the removal of gross contamination and debris. This will be accomplished by using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated, thoroughly clean all surfaces with soap or detergent and rinse with water.

Cleaning And Disinfection: For all general cleaning and disinfection use 1 ounce of (this product or product name) per gallon of water. Apply (this product or product name) using a cloth, mop, or low pressure coarse sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution after each use.

APPLICATIONS AND USE DILUTION

Poultry (And Swine) Premise: Remove all animals and feeds from premises, trucks, cars, coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 1 ounce of (this product or product name) per gallon of water. Saturate surfaces with the use-solution for a period of 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

Hatcheries: Use 1 ounce of (this product or product name) per gallon of water to treat the following hard non-porous surfaces: hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. All treated surfaces exposed to the use-solution must remain wet for 10 minutes or more. Rinse with potable water before reuse and allow to air dry.

Vehicles: Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and (this product or product name). Use 1 ounce per gallon to treat all vehicles. All treated surfaces exposed to the use-solution must remain wet for 10 minutes or more.

Dressing Plant Use: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all gross soils. Saturate all surfaces with the use-solution: 1 ounce of (this product or product name) per gallon of water. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

(Not for use in California)

Directions for 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. Close room off so fog is confined to room to be treated. Wear a dust mist respirator when mixing the use-solution and pouring it into the fogging apparatus. Mix one part of (this product or product name) to five parts water (1 gallon of (this product or product name) to 5 gallons water). 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. When fogging is completed, ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly clean all surfaces with soap or detergent and rinse with water.

Directions for Incubators and Hatchers using Fogging Devices: Wear a dust mist respirator when mixing the use-solution and pouring it into the fogging apparatus. Mix 12 ounces of (this product or product name) to 122 ounces of water. Fog 3-8 ounces of this use-solution into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breathe this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed). It is acceptable to fog setters and hatchers with a 1 ounce per gallon use-solution of (this product or product name) on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Do not under any circumstances enter a room or building 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, the individuals must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING OF ROOM AND MACHINE SURFACES.

Veterinary Practice/Animal Care/Animal Laboratory/Zoos/Pet Shop/Kennels Disinfection

Directions: For cleaning and disinfecting of the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 1 ounce of (this product or product name) per gallon of water (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

Farm Premise Use: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with a use-solution of 1 ounce of (this product or product name) per gallon of water (or equivalent dilution) for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

Ultrasonic Bath Disinfectant Directions: Use (this product or product name) to disinfect hard non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 1 ounce of (this product or product name) per gallon of water directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturers directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

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Disinfection of Hard Non-Porous Surfaces in Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 1 ounce of (this product or product name) for each gallon of fresh water added. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly cleaned, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

Disinfection of Barber/Salon Tools Directions: Immerse pre-cleaned barber/salon tools (combs, brushes, razors, manicure/pedicure tools, clippers, scissors, trimmer blades) in a use-solution (or equivalent dilution) of 1 ounce of (this product or product name) per gallon of water for at least 10 minutes. Rinse instruments thoroughly and dry before reuse. A fresh use-solution must be prepared daily or more often if the use-solution becomes (visibly dirty) (contaminated) (cloudy). **NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed from the use-solution after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged immersion may cause damage to stainless steel or metal instruments.

To Control Mold and Mildew on Large, Inflatable, Non-Porous Plastic and Rubber Structures (animals, promotional items, moonwalk, slides, obstacle course play equipment, exercise equipment, and wrestling mats): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 4 ounces of this product (product name) per 4 gallons of water (1 ounce per gallon of water) (or equivalent dilution) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

(Not for Use in California)
WATER AND SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE
(This product or product name) is suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Mix 1 ounce of (this product or product name) per gallon of water, saturate affected materials with enough use-solution to remain wet for at least 10 minutes. Use proper ventilation.
Sewer backup & river flooding: During mitigation procedures, dilute 1 to 2 ounces of (this product or product name) per gallon of water allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a sprayer using a coarse spray tip, before and after cleaning and extraction.
Carpets, carpet cushions and other porous materials such as sub floors, drywall, trim and frame lumber, tackless strip and paneling: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Mix 1 to 2 ounces of (this product or product name) per gallon of water, allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.
Special Instructions for Cleaning Carpet Against Odor Causing Bacteria: (This product or product name) may be used in industrial and institutional areas: motels and hotels, 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 colorfastness. **For portable extraction units:** Mix 1 ounce of (this product or product name) per gallon of water. **For truck mounted extraction machines:** Mix 24 ounces of (this product or product name) per gallon of water and meter at 4 gallons per hour. **For rotary floor machines:** Mix 2 ounce of (this product or product name) per gallon of water and apply at the rate of 300-500 sq. ft. per gallon.
Do not mix (this product or product name) with other cleaning products. Follow the cleaning procedures as 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.

(Not for Use in California)

Carpet Deodorizer against Odor-Causing Bacteria for Institutional, Industrial and Hospital Use:

(This product or product name) deodorizes the carpet by controlling/reducing the growth of odor-causing bacteria. It can be used in industrial and institutional areas: motels, hotels, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Mix 1 ounce of (this product or product name) per gallon of water. Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, mix 2 ounces per gallon of water and spray on carpet at a rate of 300-500 sq. ft. per gallon.

For use on washable synthetic fibers. Do not use on wool. Test color fastness of carpet before use. Apply diluted product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to cloth, a water-based product should not be used.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

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

Smoke Damage Restoration: (This product or product name) is effective against odor causing bacteria and fungi in institutional, industrial and medical premises. (This product or product name) is suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Saturate affected materials with enough use-solution: 1 ounce per gallon of water (equivalent dilution) to remain wet for at least 10 minutes. Use proper ventilation.

SANITIZATION OF NON-FOOD CONTACT SURFACES - To sanitize non-porous environmental surfaces: floors, walls, tables, add 1 ounce of this product per gallon of water. Apply solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 15 seconds, then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use. This product is an effective sanitizer against Staphylococcus aureus (ATCC 6538), Klebsiella pneumoniae (ATCC 4352), Pseudomonas aeruginosa (ATCC 15442), Enterobacter aerogenes (ATCC 13048), Escherichia coli O157:H7 (ATCC 35150), Vancomycin resistant Enterococcus faecium (VRE) (ATCC 51559), and Methicillin resistant Staphylococcus aureus (MRSA) (ATCC 33592).

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing May be fatal if inhaled. Do not breathe spray mist. Harmful if swallowed or absorbed through skin. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

(for containers 5 gallons or greater)

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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 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.

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.

CONTAINER DISPOSAL – Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

(For containers 5 gallons or less)

Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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 container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 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 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.

(For Institutional products supplied in containers 1 gallon or less)

CONTAINER DISPOSAL – Nonrefillable container. Do not reuse or refill empty container. Wrap in newspaper and discard in trash. Offer for recycling if available.

(For household/residential products only)

CONTAINER DISPOSAL – Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

(For reuseable container)

CONTAINER DISPOSAL – Container can be reused once the container is empty. Empty container of concentrate into dilution dispenser (specific equipment can be named to replace "dilution dispenser") Dispenser will automatically dilute a disinfectant solution. Remove concentrate label. Refill container with use-dilution of concentrate from the dispenser. Replace cap with spray nozzle provided. Place correct use dilution label on the spray bottle.

PACKET DISPOSAL – Do not reuse; discard empty container and put in trash.

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.

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Packet Label:

SC-NDC-128

ACTIVE INGREDIENTS

Didecyl dimethyl ammonium chloride.....	6.288%
N-Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆)	
dimethyl benzyl ammonium chloride.....	4.192%

INERT INGREDIENTS	<u>89.520%</u>
Total	100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER

See master label for additional precautionary statements and use directions

Disposal – Do not reuse; discard empty packet by putting in trash.

EPA REG. NO. 1839-215
EPA EST. NO. 1839-IL-01

STEPAN COMPANY
22 West Frontage Road • Northfield, IL 60093

(OPTIONAL) Pour contents of packet into XX gallons of water for a 1:128 dilution.

NET CONTENTS: XX ounces per packet