

1839-169

10/04/2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT - 4 2004

Mr. Thomas W. Isaac  
Sr. Regulatory Specialist  
Stepan Company  
22 W. Frontage Rd.  
Northfield, IL 60093

Subject: BTC 885 Neutral Disinfectant Cleaner-64  
EPA Registration No. 1839-169  
Application Date: 3/17/04  
Receipt Date: 3/18/04

Dear Mr. Isaac:

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

- . Addition of the public health organism (Human coronavirus)
- . Addition of non-public health organism (Bovine Viral Diarrhea Virus)
- . Addition of non-public health organism (Xanthomonas axonopodis pv. Citrus)
- . Addition of tear open (2 and 4 oz.) Packet directions
- . Expanded use-sites and environmental surfaces
- . Addition of directions for Poultry & Swine Premise Sanitation

**EFFICACY**

1. The proposed label claims that the product, BTC 885 Neutral Disinfectant Cleaner-64, is an effective disinfectant against the Human coronavirus in the presence of 400 ppm hard water and a 5% organic soil load when used at 1:64 dilution for a contact time of 10 minutes. This claim is supported by your data.

**Please Note:** Acceptance of the data to support a label claim for this virus does not in any way support a label claim for the product as an effective disinfectant against the causative agent of Severe Acute Respiratory Syndrome (SARS).

2. The proposed label claims that the product, BTC 885 Neutral Disinfectant Cleaner-64, is an effective disinfectant against the Bovine Viral Diarrhea virus in the presence of 400 ppm hard water and a 5% organic soil load when used at a 1:64 dilution for a contact time of 10 minutes. This claim is supported by your data. Confirmatory testing was performed under a different study director and provided similar results.

CONCURRENCES						
SYMBOL	075100					
SURNAME	76763					
DATE	09-24-04					

3. The proposed label claims that the product BTC 885 Neutral Disinfectant Cleaner-64, is an effective disinfectant against Trichophyton mentagrophytes (see page 5 of the proposed label). This is a new claim, one for which data was not submitted. The Data Matrix indicates that the efficacy data for BTC 885 Neutral Disinfectant Cleaner-128 (EPA Reg. No. 1839-166) against Trichophyton mentagrophytes (MRID No. 440726-02) was submitted to the Agency. Upon review of the referenced study, the proposed label claim is supported and accepted.
4. Efficacy claims against the non-public health organism Xanthomonas axonopodis pv. Citri (citrus canker) do not require efficacy data. Upon review of use directions for controlling citrus canker, the Agency believes that the label claim is adequate, and therefore acceptable.
5. The proposed label indicates that the product may be used on fiberglass surfaces (see page 2 of the proposed label). Fiberglass is a porous surface. You must delete this general reference to fiberglass. You may indicate on the product label that the product may be used on specific fiberglass surfaces (e.g., fiberglass bathtubs).
6. You should make the following changes to the proposed label:
  - On page 3 (4<sup>th</sup> item), change “garbage storage area” to read “garbage storage areas”.
  - On page 6 (two locations), change “CACO3” to read “CaCO3”.
  - On page 6, change “at 2 ounces per gallon (8 milliliters per liter)” to read “at 2 ounces per gallon (16 milliliters per liter)”.
  - Under the “Directions for Incubators....” section (see page 7 of the proposed label, change “breath the fog” to read “breathe the fog”.
7. The addition of the new use sites and environmental surfaces are consistent with the referenced product label. BTC 885 Neutral Disinfectant Cleaner-128 (EPA Reg. No. 1839-166). The new use sites, environmental surfaces and directions for numerous applications on the proposed label for BTC 885 Neutral Disinfectant Cleaner-64 (EPA Reg. No. 1839-169) are identical to the last accepted label for BTC 885 Neutral Disinfectant Cleaner-128. Therefore, the proposed use sites, environmental surfaces and directions for numerous applications are acceptable for BTC 885 Neutral Disinfectant Cleaner-64.

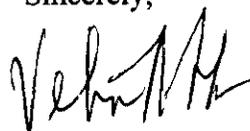
### **GENERAL COMMENTS**

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

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Should you have any questions or comments concerning this letter, please contact Zenobia Jones at (703) 308-6198.

Sincerely,

A handwritten signature in black ink, appearing to read "Velma Noble". The signature is fluid and cursive, with the first name "Velma" being more prominent than the last name "Noble".

Velma Noble  
Product Manager 31  
Regulatory Management Branch 1  
Antimicrobial Division (7510C)

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# BTC<sup>®</sup> 885 Neutral Disinfectant Cleaner-64

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

DISINFECTANT  
DEODORIZER

### ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride.....1.627%  
Dioctyl dimethyl ammonium chloride.....0.814%  
Didecyl dimethyl ammonium chloride.....0.814%  
Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>) dimethyl  
benzyl ammonium chloride.....2.170%  
INERT INGREDIENTS .....94.575%  
Total.....100.000%

KEEP OUT OF REACH OF CHILDREN

## DANGER

See side (back) panels for additional precautionary statements.

### 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.

**(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.

EPA REG. NO. 1839-169  
EPA EST. NO. 1839-IL-01

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
OCT 4 2004

STEPAN COMPANY  
22 West Frontage Road  
Northfield, IL 60093

NET CONTENTS

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 1839-169

BTC® 885 Neutral Disinfectant Cleaner-64 is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, schools, food processing plants, food service establishments, restaurants, transportation terminals, office buildings, manufacturing facilities, lodging establishments, hotels, retail business, and athletic/recreation facilities, where housekeeping is of prime importance in controlling cross-contamination from treated surfaces.

BTC® 885 Neutral Disinfectant Cleaner-64 (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 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.

(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, HIV-2, HBV and HCV) and inhibits the growth of mold and mildew and their odors when used as directed.

(This product or product name), when used as directed, is formulated to disinfect the following 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, fiberglass, granite, marble, plastic, chrome and vinyl.
- Tables, chairs, desks, bed frames, walls, cabinets, doorknobs and garbage cans.
- Picnic tables (non-wooden) and outdoor furniture (except cushions and wood frames).
- Telephones.
- Non-food contact counter tops, sinks, refrigerators 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 and patient care facilities, (this product or product name) is designed to provide both general cleaning and disinfecting.

(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 formulated to a neutral pH and will not dull high-gloss floor finishes with repeated use.

(This product or product name) is a no rinse neutral pH 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 area, 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 with repeated use.

(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) is recommended for non-scratch cleaning of showers and tubs, shower doors and curtains, 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 disinfectant 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 recommended 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

(This product or product name) is a neutral pH multi surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non-food contact glass surfaces.

(This product or product name) is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and greenhouses.

When used as directed, (this product or product name) will disinfect hard, non-porous surfaces such as flower buckets, floors and walls of coolers, design and packing benches and counter tops.

(This product or product name) may be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

Use (this product or product name) to clean, disinfect and deodorize flower buckets, walls and floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.

(This product or product name) may be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, greenhouse packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause:

1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
2. Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, babies breath, sweet peas, freesia and alstroemeria.

(This product or product name) is recommended 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 recommended 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 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 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 medical device surfaces.

**DISINFECTION** - To disinfect inanimate, hard non-porous surfaces add 2 ounces 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 solution for each use.

**PACKETS** *(for pre-measured tear open packets)* - (Simply) (tear) open and pour contents into (1 or 2) gallons of water. Keep packets in box until ready to use.

or

Pour contents of (2 or 4 oz) packet into (1 or 2) gallons of water. Keep packets in box until ready to use.

**To disinfect toilet bowls** - Remove gross filth or soils from surfaces with bowl brush. Add 2 ounces 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 2 ounces per gallon (16 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 2 ounces per gallon (16 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 8 ounces per gallon (64 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:** floors, walls, and storage areas, add 2 ounces 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. Before using (this product or product name), food products and packaging materials must be removed from the area or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

**To disinfect restaurant (food service establishment) food contact surfaces:** countertops, appliances, and tables, add 2 ounces 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.

**BACTERICIDAL ACTIVITY** - At the 2 ounces per gallon dilution, (this product or product name) demonstrates effective disinfectant activity against the organisms: Pseudomonas aeruginosa PRD-10, Salmonella choleraesuis, Staphylococcus aureus, Staphylococcus aureus (clinical isolate), Bordetella bronchiseptica, Corynebacterium ammoniagenes, Enterobacter aerogenes, Enterobacter cloacae, Enterobacter cloacae (clinical isolate), Enterococcus faecalis, Enterococcus faecalis (clinical isolate), Escherichia coli, Escherichia coli (clinical isolate), Fusobacterium necrophorum, Klebsiella pneumoniae subsp. pneumoniae, Lactobacillus casei subsp. rhamnosus, Listeria monocytogenes, Pasteurella multocida, Proteus vulgaris, Proteus mirabilis ATCC 9921, Proteus mirabilis ATCC 25933, Salmonella choleraesuis subsp. choleraesuis serotype paratyphi B, Salmonella choleraesuis subsp. choleraesuis serotype typhi, Salmonella choleraesuis subsp. choleraesuis serotype typhimurium, Salmonella choleraesuis subsp. choleraesuis serotype pullorum, Serratia marcescens, Shigella sonnei, Shigella flexneri Type 2b, Shigella dysenteriae, Staphylococcus aureus subsp. aureus, Staphylococcus epidermidis, Staphylococcus epidermidis (clinical isolate), Streptococcus pyogenes (Clinical - Flesh Eating Strain BIRD M3), Streptococcus pyogenes Group A, Xanthomonas maltophilia (clinical isolate), Vancomycin resistant Enterococcus faecalis (VRE), Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin intermediate resistant Staphylococcus aureus (VISA).

**MILDEWSTAT** - To control mold and mildew (such as Aspergillus niger) and the odors they cause on pre-cleaned, hard, non-porous inanimate surfaces add 2 ounces of (this product or product name) per gallon of water. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

**FUNGICIDAL ACTIVITY** - At the 2 ounces per gallon dilution, (this product or product name) is fungicidal against the pathogenic fungi, Trichophyton mentagrophytes (Athlete's Foot Fungus) and Candida albicans. 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, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

**\*VIRUCIDAL ACTIVITY** - (This product or product name) when used on environmental, inanimate, hard, non-porous surfaces exhibits effective virucidal activity against HIV-1, HIV-2, Hepatitis B virus (HBV), Hepatitis C virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital), Influenza A<sub>2</sub>/Hong Kong, Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740, Strain 229E), Bovine Viral Diarrhea Virus (BVDV), Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, and Canine Distemper. Add 2 ounces of the product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid.

**KILLS HIV-1, HIV-2, HBV, and HCV 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 or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B virus (HBV), and Hepatitis C virus (HCV).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, and HCV 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, or 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:** Allow surface to remain wet for 10 minutes.

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

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EFFICACY TESTS HAVE DEMONSTRATED THAT (THIS PRODUCT OR PRODUCT NAME) IS AN EFFECTIVE BACTERICIDE AND \*VIRUCIDE AGAINST THE LISTED ORGANISMS IN WATER UP TO 400 PPM HARDNESS (AS CaCO<sub>3</sub>) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). (THIS PRODUCT OR PRODUCT NAME) IS AN EFFECTIVE FUNGICIDE AGAINST THE LISTED FUNGI IN WATER UP TO 200 PPM HARDNESS (AS CaCO<sub>3</sub>) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

or

(THIS PRODUCT OR PRODUCT NAME) IS A HOSPITAL USE BACTERICIDE AND \*VIRUCIDE AT 2 OUNCES PER GALLON (8 MILLILITERS PER LITER) (OR EQUIVALENT USE DILUTION), MODIFIED IN THE PRESENCE OF 400 PPM HARD WATER AS CaCO<sub>3</sub>.

(THIS PRODUCT OR PRODUCT NAME) IS A FUNGICIDE AT 2 OUNCES PER GALLON (16 MILLILITERS PER LITER) (OR EQUIVALENT USE DILUTION), MODIFIED IN THE PRESENCE OF 200 PPM HARD WATER AS CaCO<sub>3</sub>.

**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 2 ounces 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.)

**Citrus Canker Control:** For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas axonopodis* pv. *citri* (Citrus Canker) at 2000 ppm active quat. Treat all trucks, vehicles, and equipment thoroughly at a dilution ratio of 1:27 (2000 ppm active quat). 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 maximum rate 2000 ppm quat. 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 should be the removal of gross contamination and debris. This may be accomplished 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 2 ounces 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.

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### 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 2 ounces of (this product or product name) per gallon of water. Saturate surfaces with the recommended disinfecting 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 2 ounces of (this product or product name) per gallon of water to treat the following hard non-porous surfaces: hatcher, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse with potable water before reuse. Then 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 2 ounces per gallon to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution 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 recommended use solution, 2 ounces 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.

**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. Mix 2 parts of (this product or product name) to 2.5 parts water (2 gallons of (this product or product name) to 2½ 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:** Mix 24 ounces of (this product or product name) to 122 ounces of water. Fog 3-8 ounces of this 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 breath 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 2 ounces per gallon 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. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging. If the building must be entered, then the individuals entering the building 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 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 2 ounces 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 2 ounces 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 disinfectant hard non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 2 ounces 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.

**Commercial Florist Use Directions:** To clean, disinfect and deodorize hard non-porous surfaces in one step, prepare use solution by adding (mixing) 2 ounces per gallon of water. For heavy-duty use, add (mix) 8 ounces per gallon of water.

Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use solution to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, brush, sponge or sprayer.

For heavily soiled areas, a preliminary cleaning is required.

For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Do not breathe spray mist.

Treated surfaces must remain wet for 10 minutes. Allow to air dry

Prepare a fresh solution at least daily or sooner if use solution becomes visibly dirty.

**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 2 ounces 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.

**WATER AND SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE**

(This product or product name) is particularly 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 2 ounces 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 2 to 4 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 color fastness. Mix 2 to 4 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 color fastness.

**For portable extraction units:** Mix 2 ounces of (this product or product name) per gallon of water.

**For truck mounted extraction machines:** Mix 48 ounces of (this product or product name) per gallon of water and meter at 4 gallons per hour.

**For rotary floor machines:** Mix 4 ounces 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.

**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 chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Mix 2 ounces 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 4 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 should 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 particularly 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. Using solutions recommended, saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

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**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 absorbed through skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

**ENVIRONMENTAL HAZARDS**  
*(for containers 5 gallons or greater)*

This pesticide 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** - Do not reuse empty container. Triple rinse empty container with water. Offer empty metal or plastic containers for recycling if available. Return metal drums then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke.

*For containers 1 gallon or less:* Do not reuse empty container. Wrap in newspaper and discard 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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(2 or 4) OUNCE PACKET LABEL TO BE USED WITH MASTER CONTAINER LABEL:

MIX EACH PACKET WITH (1 or 2) GALLONS OF WATER

# BTC<sup>®</sup> 885 NEUTRAL DISINFECTANT CLEANER-64

E.P.A. Reg. No. 1839-169  
E.P.A. Est. No. 1839-IL-1

NET CONTENTS: (2 or 4) FLUID OZ.

**ACTIVE INGREDIENTS:**

Octyl Decyl Dimethyl Ammonium Chloride .....	1.627%
Didecyl Dimethyl Ammonium Chloride .....	0.814%
Dioctyl Dimethyl Ammonium Chloride .....	0.814%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%)	
dimethyl benzyl ammonium chloride .....	2.170%
<b>INERT INGREDIENTS .....</b>	<b>94.575%</b>
<b>TOTAL</b>	<b>100.000%</b>

**KEEP OUT REACH OF CHILDREN**

**DANGER**

**SEE OUTER CONTAINER FOR PRECAUTIONARY STATEMENTS AND USE DIRECTIONS**

DISPOSAL: Do not reuse container. Wrap and put in trash collection.

**STEPAN COMPANY**

22 W. Frontage Rd.  
Northfield, IL 60093

