



Technical Data

3M™ Quat Disinfectant Cleaner Concentrate 5A and 5L/5H

Description

3M™ Quat Disinfectant Cleaner Concentrate 5A is a concentrated product to be diluted and dispensed using the 3M™ Flow Control System Wall Mount Dispenser or the 3M™ Flow Control System Portable Dispenser.

3M™ Quat Disinfectant Cleaner Concentrate 5L/5H is a concentrated product to be diluted and dispensed using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System.

This product is a concentrated, one-step, Hospital Use disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal*, including HIV-1, the AIDS Virus and Hepatitis B Virus and Hepatitis C Virus, fungicidal, and inhibits the growth of mold and mildew, and their odors, when used as directed.

The ready-to-use product contains 848ppm quat. The product is a proven "one-step" disinfectant/cleaner/fungicide/mildewstat/virucide* that is effective in water up to 200 ppm hardness in the presence of 5% serum contamination. This product is a disinfectant that cleans, disinfects and deodorizes in one labor-saving step.

Applications

For hospital, institutional and industrial use

Use on washable, hard non-porous surfaces: floors, walls, countertops, sinks, garbage cans, tables, chairs, telephones,

bathtubs, urinals, toilet bowls, and other hard non-porous surfaces made of metal, glazed ceramic, plastic and stainless steel. Is a proven soft surface sanitizer against: *Staphylococcus aureus* and *Enterobacter aerogenes*. For use on soft surfaces such as upholstery (cushions(s), pillow(s), furniture) and fabric (window treatment(s), curtain(s), draperies, shower curtain(s), bedding, and blanket(s).

Packaging

3M™ Quat Disinfectant Cleaner Concentrate 5A

- 0.5-gallon bottle
- 4 bottles per case

Each 0.5-gallon bottle typically yields 107 ready to-use gallons (1:256 dilution ratio)

3M™ Quat Disinfectant Cleaner Concentrate 5L/5H

- 0.528-gallon bottle
- 6 bottles per case

Each 0.528-gallon bottle typically yields 127 ready to-use gallons (1:256 dilution ratio)

General Use Directions

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to ready-to-use SDS for personal protective equipment (PPE) recommendations. Dispense 3M™ Quat Disinfectant Cleaner Concentrate 5A, 5L/5H using one of the 3M™ Chemical

Management Systems Dispense into a properly labeled bottle or mop bucket.

Disinfection/Virucidal*/Fungicidal/Mold and Mildew Control Directions

Apply use-dilution to hard, non-porous surfaces, thoroughly wetting the surface with a cloth, mop, sponge, sprayer, or by immersion. Treated surfaces must remain wet for 10 minutes.

Wipe dry with a cloth, sponge, mop or allow to air dry. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface; rub with a brush, sponge or cloth. Do not breathe spray. Rinse all surfaces that come in contact with food, such as countertops, exteriors of appliances, tables and stovetops with potable water before reuse. Do not use on utensils, glassware and dishes.

For fungicidal activity, this product is an effective fungicide against Trichophyton mentagrophytes [the athlete's foot fungus] or Aspergillus fumigatus in areas such as locker rooms, dressing rooms, shower and bath areas, and exercise facilities. Dilute at ½ oz. per gallon in 200 ppm hard water and allow surface to remain wet for 10 minutes. **For mold and mildew:** At 1/2 oz. per gallon of water, this product will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces. Follow disinfection instructions. Repeat treatment every seven days, or more often if new growth appears.

Bactericidal Stability of Use-Dilution

Tests confirm that the use-dilution of this product, when stored in a sealed container such as a spray bottle, remains effective for up to 1 year. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails. This product is not to be used as a terminal sterilant or 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 (2) contacts intact mucous membranes, but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical devices prior to sterilization or high-level disinfection.

TO SANITIZE SOFT SURFACES: Mix ½ oz. per gallon of water, 1:256. Apply use-solution with a sprayer. Hold bottle 6"-8" from surface and spray until fabric is wet. Fabric must remain wet for 5 minutes. Allow fabric to air dry. Heavily soiled areas must be cleaned prior to sanitizing.

***KILLS HIV AND HBV AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD OR BODY FLUIDS** in health care settings 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 (Hiv-1) (associated with AIDS) or Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

Special instructions for cleaning and decontamination against HIV-1 or HBV or HCV on surfaces/objects soiled with blood/ body fluids: **Personal**

Protection: Clean-up must always be done wearing protective gloves, gowns, masks and eye protection. **Cleaning**

Procedure: Blood and other body fluids containing HIV or HBV or HCV must be

thoroughly cleaned from surfaces and objects before application of this product. **Contact Time:** *Leave surface wet for 60 seconds* for HIV-1 and *10 minutes* for HBV and HCV with 1/2 oz. per gallon use-dilution. *Use a 10-minute contact time* for disinfection against all other viruses, bacteria and fungi claimed.

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

Non-Acid Toilet Bowl and URINAL Disinfectant/Cleaner Directions:

Remove gross filth prior to disinfection.

From use-dilution: empty toilet bowl or urinal and apply 1/2 oz. per gallon use-dilution to exposed surfaces and under the rim with a cloth, mop, sponge, or mechanical spray. Allow to stand for 10 minutes and flush.

To clean and deodorize: Use 1/2 oz. of this product per gallon of water to clean and deodorize surfaces. Apply using a cloth, mop, sponge or sprayer. Wipe or allow to air dry.

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

Directions: For cleaning and disinfecting hard non-porous surfaces: equipment used for feeding or watering animals, utensils, instruments, cages, kennels, stables, and catteries. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings, and manure from floors, walls, and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use solution of ½ oz. of this product per gallon of water for a period of 10 minutes. Use 2 oz. per gallon of water to kill Adenovirus type 5 and 7. Use 8 oz. per gallon of water to kill Feline Panleukopenia Virus. For Murine Norovirus use dilution must be made with deionized water. Wipe or allow to air dry. Immerse all animal handling and restraining equipment as well as forks, shovels, and scrapers used to remove litter and manure. Thoroughly scrub all

treated surfaces, then rinse all surfaces that come in contact with food, including equipment used for feeding or watering, with potable water before reuse.

Ventilate buildings, animal enclosure, and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set, or dried.

Efficacy

When diluted and dispensed using the 3M™ Flow Control System Wall Mount Dispenser or the 3M™ Flow Control System Portable Dispenser or 3M™ Twist 'n Fill™ dispenser and used according to directions contained on the product label, 3M™ Quat Disinfectant Cleaner is a Hospital Use disinfectant; Bactericidal according to the current AOAC Use-Dilution Test Method and Virucidal* according to the virucidal qualification modified in the presence of 200 ppm hard water plus 5% organic serum against:

Bacteria

- *Acinetobacter baumannii*
- *Burkholderia capacia*
- *Campylobacter jejuni*
- *Enterobacter aerogenes*
- *Enterobacter cloacae* NDM-1 positive
- *Enterococcus faecalis*
- *Enterococcus faecalis* – VRE (Vancomycin-Resistant)
- *ESBL Escherichia coli* – (Extended spectrum beta-lactamase producing *E. coli*)
- *Escherichia coli* (*E. coli*)
- *Escherichia coli*, New Dehli Metallo-Beta Lactamase (NDM-1)
- *Klebsiella pneumoniae*
- *Legionella pneumophila*
- *Pseudomonas aeruginosa*
- *Salmonella enterica*
- *Salmonella schottmuelleri*
- *Salmonella typhi*
- *Serratia marcescens*
- *Shigella dysenteriae*
- *Staphylococcus aureus*
- *Staphylococcus aureus* – MRSA (Methicillin Resistant)
- *Staphylococcus aureus* – MDR (Multi-Drug Resistant)

- *Staphylococcus aureus* – VISA
(*Vancomycin Intermediate Resistant*)
- *Streptococcus pyogenes*
- *Vibrio cholerae*

Viruses

- **Hepatitis B Virus (HBV)*
- **Hepatitis C Virus (HCV)*
- **Herpes Simplex Virus Type 1*
- **Herpes Simplex Virus Type 2*
- **HIV-1 (AIDS virus)*
- **Human Coronavirus*
- **Influenza Type A/Brazil*
- *Adenovirus Type 5*
- *Adenovirus Type 7*
- **Norwalk virus [Norovirus]*
- **Respiratory Syncytial Virus (RSV)*
- *Rotavirus*
- **SARS Associated Coronavirus*
- **Vaccinia*

Animal Viruses

- *Avian Influenza Virus H3N2*
- *Avian Influenza Virus H5N1,*
- *Avian Infectious Bronchitis Virus*
- *Canine Distemper Virus*
- *Feline Calicivirus*
- *Feline Panleukopenia Virus*
- *Murine Norovirus*
- *Newcastle's Disease Virus*
- *Pseudorabies Virus*

Fungi

- *Aspergillus niger*
- *Aspergillus fumigatus*
- *Trichophyton mentagrophytes (the Athlete's Foot Fungus)*

Product Specifications

(Typical Values)

Active Ingredients

Octyl decyl dimethyl ammonium chloride
6.510%

Dioctyl dimethyl ammonium chloride
2.604%

Didecyl dimethyl ammonium chloride
3.906%

Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₆ 10%)
dimethyl benzyl ammonium chloride
8.680%

Inert Ingredients: 78%

EPA Registration

EPA Reg. No. 6836-78-10350

EPA Est. No. 10350-WI-001

NOTE:

Refer to product Safety Data Sheet for specific physical properties, health hazard, first aid and precautionary information.

▪ 17-9553-3
(Concentrate)

▪ 17-9600-2
(RTU)

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Important Notice to User

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.



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