



Technical Data

3M™ HB Quat Disinfectant Cleaner Concentrate 25L, 25H, 25P

Description

3M™ HB Quat Disinfectant Cleaner Concentrate 25L and 3M™ HB Quat Disinfectant Cleaner Concentrate 25H are diluted and dispensed using only the 3M™ Twist 'n Fill™ Cleaning Chemical Management System. 3M™ HB Quat Disinfectant Cleaner Concentrate 25P is diluted and dispensed using only the 3M™ Portable Dispenser.

These products are broad spectrum hospital disinfectant cleaners for use on hard, non-porous surfaces such as floors, walls, desks or countertops, tables and chairs, telephones, bed frames and cabinets to clean, disinfect and deodorize. They are effective in 300 ppm hard water (calculated as CaCO₃) in the presence of organic soil (5% blood serum). The ready-to-use solution contains 708 ppm quat.

Applications

Use on washable, hard, non-porous environmental surfaces in:

- Hospitals, surgi-centers, nursing homes, doctor and dentist offices., including patient care rooms, newborn nurseries.
- Schools, health clubs, spas, restrooms, and shower rooms.
- Veterinary clinics and dairies.
- Restaurants, bars and food processing plants.

Packaging

3M™ HB Quat Disinfectant Cleaner Concentrate 25L

3M™ HB Quat Disinfectant Cleaner Concentrate 25H:

2-liter bottle
- 6 bottles per case

Each 2-liter bottle makes 180 ready-to-use gallons – typical yield.

3M™ HB Quat Disinfectant Cleaner Concentrate 25P:

1.9-liter bottle
- 6 bottles per case

Each 1.9-liter bottle makes 180 ready-to-use gallons – typical yield.

Dilution Ratio - 1:365

Directions for Use

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

Dilute 3M™ HB Quat Disinfectant Cleaner Concentrate 25L or 25H (0.35 ounces per gallon of water) using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System into a properly labeled bottle or mop bucket.

Dilute 3M™ HB Quat Disinfectant Cleaner Concentrate 25P (0.35 ounces per gallon of water) using the 3M™ Portable Dispenser into a properly labeled bottle or mop bucket.

NOTE:

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

3M™ HB Quat Disinfectant Cleaner Concentrate 25L

3M™ HB Quat Disinfectant Cleaner Concentrate 25H

3M™ HB Quat Disinfectant Cleaner Concentrate 25P

MSDS:

- 18-1457-3 (Concentrate)
- 18-1459-9 (RTU)

BACTERICIDAL STABILITY OF USE-DILUTION:

Tests confirm that this product, when diluted in 400 ppm hard water and in the presence of 5% soil load, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella enterica* for up to one year when stored in a sealed container at room temperature.

If the use-dilution product becomes visibly dirty or contaminated, the use-dilution must be discarded and a fresh product prepared. Always use clean, properly labeled dry containers when diluting the product. Bactericidal stability of the use dilution does not apply to open containers such as buckets or pails. Use-dilution product in open containers must be prepared daily or more often if the solution becomes visibly dirty or diluted or contaminated.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that: (1) introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes, but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

This product may be used to pre-clean or decontaminate critical or semi-critical devices prior to sterilization or high-level disinfection.

Disinfection/Fungicidal/*Virucidal*

Directions:

Apply use solution to hard inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray. Add 0.35 ounces per gallon of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Use-dilution product in open container must be prepared at least daily or when use-dilution becomes diluted or soiled.

General Deodorization:

To deodorize, add 0.35 ounces of this product per gallon of water using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System or 3M™ Portable Dispenser into a properly labeled bottle or mop bucket. Excess material must be wiped up or allowed to air dry.

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

KILLS HIV-1, HCV and HBV 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 with blood or body fluids, and in which the surfaces or objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (AIDS Virus), Hepatitis C Virus (HCV), and Hepatitis B Virus (HBV).

Special instructions for cleaning and decontamination of HIV-1, HCV & HBV on surfaces/objects soiled with blood or body fluids:

Personal Protection:

Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable protective gloves, gowns, masks and eye protection.

Cleaning Procedure:

Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

Disposal of infectious material:

Blood and other body fluids, cleaning materials and clothing must be autoclaved or disposed of according to Federal, State and local regulations for infectious waste disposal.

Contact Time:

Leave surfaces wet for 30 seconds for HIV-1 and 10 minutes for HCV and HBV. The contact time for the viruses, fungi and bacteria listed on this label is 10 minutes except for Polio virus Type 1 (chat strain) which is 30 minutes.



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Disinfection and Virucidal*

Performance:

When diluted using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System or 3M™ Portable Dispenser, 3M™ HB Quat Disinfectant Cleaner 25 is bactericidal, virucidal*, and fungicidal on hard inanimate surfaces modified in the presence of 5% organic serum with a 10 minute contact time unless otherwise noted below and found to be effective against the following microorganisms on hard, non-porous environmental surfaces:

Isolates From AIDS Patients

- *Aspergillus niger*
- *Candida albicans*
- *Cryptococcus neoformans*
- *Pseudomonas aeruginosa*
- *Staphylococcus aureus*
- *Streptococcus pneumoniae*

Gram Positive Clinical Isolates

- *Enterococcus faecalis*
- *Micrococcus luteus*
- *Staphylococcus aureus*
- *Staphylococcus aureus* (Toxic shock)
- *Staphylococcus epidermidis*
- *Staphylococcus saprophyticus*
- *Streptococcus haemolyticus*
- *Streptococcus pyogenes*

Gram Negative Clinical Isolates

- *Acinetobacter calcoaceticus* var. *anitratus*
- *Acinetobacter calcoaceticus* var. *lwoffii*
- *Bordetella bronchiseptica*
- *Burkholderia cepacia*
- *Brevundimonas dimunita*
- *Enterobacter agglomerans*
- *Enterobacter cloacae*
- *Enterobacter gergoviae*
- *Enterobacter liquefaciens*
- *Escherichia coli* (Urinary)
- *Escherichia coli* (Wound)
- *Flavobacterium meningosepticum*
- *Hafnia alvei*
- *Klebsiella oxytoca*
- *Klebsiella pneumoniae*
- *Morganella morganii*
- *Proteus mirabilis*
- *Proteus vulgaris*
- *Pseudomonas aeruginosa*
- *Pseudomonas fluorescens*

- *Pseudomonas pseudomallei*
- *Pseudomonas putida*
- *Pseudomonas stutzeri*
- *Serratia marcescens*
- *Sphingomonas paucimobilis*

Other Bacteria

- *Actinobacillus pleuropneumoniae*
- *Actinomyces pyogenes*
- *Bacillus cereus*
- *Bacteroides fragilis*
- *Corynebacterium ammoniagenes* (*Brevibacterium ammoniagenes*)
- *Bordetella bronchiseptica*
- *Burkholderia picketti*
- *Campylobacter jejuni*
- *Chryseomonas luteola*
- *Corynebacterium pseudotuberculosis*
- *Enterobacter aerogenes*
- *Enterococcus faecalis*
- *Enterococcus faecium*
- *Enterococcus hirae*
- *Escherichia coli*
- *Escherichia coli* strain O157:H7
- *Escherichia vulneris*
- *Haemophilus influenzae*
- *Klebsiella pneumoniae*
- *Listeria monocytogenes*
- *Pasteurella haemolytica*
- *Pseudomonas aeruginosa*
- *Rhodococcus equi*
- *Salmonella enterica*
- *Salmonella schottmuelleri*
- *Salmonella typhi*
- *Shigella dysenteriae*
- *Staphylococcus aureus*
- *Staphylococcus auricularis*
- *Staphylococcus capitis*
- *Staphylococcus hominis*
- *Staphylococcus simulans*
- *Stenotrophomonas maltophilia*
- *Streptococcus equi* var. *equi*
- *Streptococcus equi* var. *zooepidermicus*
- *Streptococcus pneumoniae* (PRSP)
- *Streptococcus pyogenes*
- *Streptococcus salivarius*
- *Yersinia enterocolitica*

Pathogenic Fungi

- *Trichophyton mentagrophytes*

Environmental Fungi

- *Aspergillus candidus*
- *Aspergillus niger*
- *Penicillium chermesinum*
- *Penicillium oxalicum*
- *Penicillium spinulosum*
- *Ulocladium* sp.

Antibiotic Resistant Gram Negative Bacteria

- *Pseudomonas aeruginosa* (Sulfa, Cefatoxime, Nitrofurantoin, Tetracycline, Amikacin, Ampicillin, Cephalothin and Bactine Resistant)
- *Escherichia coli* (Ampicillin, Tetracycline, Penicillin and Sulfa Resistant)
- *Klebsiella oxytoca* (Ampicillin, Sulfanilimide and Tetracycline Resistant)
- *Klebsiella pneumoniae* type 1 (Ampicillin, Tetracycline, Cephalothin and Sulfa Resistant)
- *Morganella morganii* (Penicillin and Tetracycline Resistant)
- *Enterobacter agglomerans* (Ampicillin and Sulfanilimide Resistant)
- *Salmonella choleraesuis* (Antibiotic Resistant)
- *Enterobacteriaceae* with extended beta-lactamase resistance (Ampicillin and Piperacillin Resistant)

Antibiotic Resistant Gram Positive Bacteria

- *Enterococcus faecalis* (Vancomycin Resistant-VRE)
- *Enterococcus faecium* (Vancomycin Resistant-VRE)
- *Staphylococcus aureus* (Methicillin-MRSA, Community Associated Methicillin Resistant - CA-MRSA PVL Positive)
- *Staphylococcus aureus* (CA-MRSA Genotype USA 400)
- *Staphylococcus aureus* (Penicillin G, Penicillin, Ampicillin, Cefazolin, Cefatoxime, Chloramphenicol, Ciprofloxacin, Clindimycin, Erythromycin, Oxacillin, Rifampin, Tetracycline Resistant)
- *Staphylococcus aureus* (Vancomycin Resistant – VRSA)
- *Staphylococcus aureus* (Vancomycin Resistant Intermediate-VISA)
- *Staphylococcus epidermidis* (Ampicillin and Drug Resistant)

Human Viruses

- *Adenovirus type 2
- *Cytomegalovirus
- *HBV (Hepatitis B Virus)
- *HBC (Hepatitis C Virus)
- *Herpes Simplex Virus type 1
- *Herpes Simplex Virus type 2
- *HIV-1 (AIDS Virus)
- *Human Coronavirus
- *Influenza A/Brazil Virus
- *Influenza A/Victoria (H3N2)
- *Influenza A2-Asian Virus
- *Influenza B Virus (Allen strain)
- *Influenza C Virus (Taylor strain)
- *Measles Virus
- *Parainfluenza type 1
- *Poliovirus type 1 (Chat strain)
30 minutes contact time
- *Respiratory Syncytial Virus
- *Rotavirus
- *Vaccinia Virus

Non-Human Viruses

- Avian Influenza/Turkey/Wisconsin Virus
- Canine Coronavirus
- Canine Distemper Virus
- Canine Herpesvirus
- Equine Herpesvirus
- Equine Influenza Virus
- Feline Calicivirus
- Norovirus
- Feline Infectious Peritonitis Virus
- Infectious Bovine Rhinotracheitis (IBR) Virus
- Newcastle Disease Virus
- Porcine Parvovirus
- Porcine Respiratory & Reproductive Syndrome Virus (PRRSV)
- Porcine Rotavirus
- Pseudorabies Virus
- Transmissible Gastroenteritis (TGE) Virus
- T1 bacteriophage
- T4 bacteriophage

- Vesicular Stomatitis Virus (VSV)
- Bovine Viral Diarrhea Virus (BVDV)
- Avian Influenza Virus (H5N1)
- Influenza A Virus (H1N1) (formerly called swine flu)

Product Specifications: (Typical Values)

Active Ingredients:

Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)
dimethyl benzyl
ammonium chloride 13.238%

Alkyl (68% C₁₂, 32% C₁₄)
dimethyl ethylbenzyl
ammonium chloride 13.238%

EPA Registration:

EPA Reg. No. 61178-5-10350
EPA Est. No. 10350-WI-001 (D), 75521-WI-001 (P) add 75521-WI-002 (P)

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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