



Neutral Quat Disinfectant Cleaner

Product No. 23

Technical Data

July 2005

Description:

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

This product is a multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 400 ppm (calculated as CaCO₃) in the presence of 5% organic serum according to the AOAC Use-dilution Test.

3M™ Neutral Quat Disinfectant Cleaner is a one-step, low-level, hospital grade disinfectant cleaner. The ready-to-use solution contains 660 ppm quat, and at that level is effective against a broad spectrum of bacteria and viruses, (including Hepatitis B, Hepatitis C and HIV-1, the AIDS virus). The product effectively disinfects, cleans, and deodorizes in one labor-saving step.

Applications:

Use on washable, hard, nonporous surfaces in:

- Hospitals, nursing homes, healthcare facilities and medical and dental offices
- Schools, exercise facilities, locker rooms, showers and restrooms
- Restaurants, bars, institutional kitchens and food processing plants
- Veterinary clinics, kennels, pet shops and farms

Packaging:

Concentrate:

2-liter bottle
6 bottles per case

Each 2-liter bottle yields
120 ready-to-use gallons

General Use Directions:

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

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, 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.

Refer to ready-to-use MSDS for personal protective equipment (PPE) recommendations.

Dispense 3M™ Neutral Quat Disinfectant Cleaner using the Twist 'n Fill™ dispenser into a properly labeled bottle or mop bucket. Once dispensed, the product has a 60-day shelf-life when stored in a closed container. For open containers, such as buckets and pails, prepare fresh solution daily or more often if the solution becomes visibly dirty.

Disinfection/Cleaning/ Deodorizing Directions:

Remove heavy soil deposits from surface. Then thoroughly wet surface with the ready-to-use solution. The solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.

Food contact surfaces must be thoroughly rinsed with potable water. This product should not be used to clean utensils, glassware and dishes.

*** KILLS HIV-1 (AIDS VIRUS), HBV (HEPATITIS B VIRUS), AND HCV (HEPATITIS C VIRUS) ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids.

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

Personal Protection:

Clean-up should always be done wearing disposable protective gloves, gowns, face masks and eye protection as appropriate.

Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant.

Disposal of infectious material:

Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Fungicidal Directions:

For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow directions for disinfection.

Toilet Bowls: Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying ready-to-use solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first remove or expel over the inner trap the residual bowl water. Pour in 3 oz. of the ready-to-use solution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.

Mildewstat Directions:

Apply ready-to-use solution with a cloth, mop, sponge, or coarse spray. Make sure to wet all surfaces completely. Let air-dry. 3M™ Neutral Quat Disinfectant Cleaner will effectively control the growth of mold and mildew plus the odors caused by them on hard, nonporous surfaces such as walls, floors, and table tops. Repeat application weekly or if growth reappears.

Veterinary Practice/Animal Care:

Remove all animals and feed from premises. Remove all litter, droppings and manure from floors and walls. Thoroughly clean all surfaces with detergent and rinse with water. Saturate surfaces with ready-to-use disinfectant solution for 10 minutes and air-dry before returning animals to area.

Contact Time:

HIV-1 is inactivated after a contact time of 4 minutes at room temperature. HBV and HCV are inactivated after a 10-minute contact time. Use a 10-minute contact time for all other viruses, bacteria and fungi claimed. After required contact time, surface may be rinsed, wiped dry or allowed to air-dry.

Efficacy:

When diluted and dispensed using the 3M™ Twist 'n Fill™ dispenser and used according to directions contained on the product label, 3M™ Neutral Quat Disinfectant Cleaner is effective against the following organisms.

Bacteria

Acinetobacter calcoaceticus
Bordetella bronchiseptica
Chlamydia psittaci
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus faecalis – VRE (Vancomycin Resistant)
Escherichia coli
Fusobacterium necrophorum
Kiebsiella pneumoniae
Legionella pneumophila
Listeria monocytogenes
Pasteurella multocida
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa
Salmonella choleraesuis
Salmonella enteritidis
Salmonella typhi
Salmonella typhimurium
Serratia marcescens
Shigella flexneri
Shigella sonnei
Staphylococcus aureus
Staphylococcus aureus – MRSA (Methicillin Resistant)
Staphylococcus aureus – VISA (Vancomycin Intermediate Resistant)
Staphylococcus epidermidis
Streptococcus faecalis
Streptococcus pyogenes

Viruses

*Adenovirus Type 4
*Hepatitis B Virus (HBV)
*Hepatitis C Virus (HCV)
*Herpes Simplex Type 1
*Herpes Simplex Type 2
*HIV-1 (AIDS Virus)
*Human Coronavirus
*Influenza A/Hong Kong
*Vaccinia
*Rubella (German Measles)
*Respiratory Syncytial Virus (RSV)

Animal Viruses

*Avian polyomavirus
*Canine distemper
*Feline leukemia
*Feline picornaviruses
*Infectious bovine rhinotracheitis
*Infectious bronchitis (Avian IBV)
*Pseudorabies (PRV)
*Rabies
*Transmissible gastroenteritis (TGE)

Fungi

Aspergillus niger
Candida albicans
Trichophyton mentagrophytes

Product Specifications:

(Typical Values)

Active Ingredients:

Didecyl dimethyl ammonium chloride 10.14%
n-Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₆ 10%) dimethyl benzyl ammonium chloride 6.76%

EPA Registration:

EPA Reg. No. 47371-129-10350
EPA Est. No. 33915-MI-001

Concentrate:

1. pH: 7.0 to 8.0
2. Flash Point: >200°F
3. Solubility in Water: Complete
4. Specific Gravity: 1.0
5. Viscosity: <100 cps
6. Appearance: Clear, dark green liquid
7. Fragrance: Lemon

Ready-to-Use:

1. pH: 7.0 to 8.0
2. Flash Point: N/A
3. Solubility in Water: Complete
4. Specific Gravity: 1.0
5. Viscosity: <100 cps
6. Appearance: Clear to light green
7. Fragrance: Lemon

Precaution Summary

Concentrate:

Eye Contact: Corrosive to the eyes.
Skin Contact: Corrosive to skin.
Inhalation: Upper respiratory irritant and central nervous system depression.

Ready-to-Use:

Eye Contact: Mild eye irritant.
Skin Contact: Mild skin irritant.
Inhalation: Upper respiratory irritant.

Note:

Refer to product Material Safety Data Sheets (MSDS: Concentrate 17-9106-0, Ready-to-Use 17-9108-6) for specific health hazard, first aid and precautionary information.

3M Branch Sales Offices

ANCHORAGE

11151 Calaska Circle
Anchorage, AK 99515
Telephone: 907/522-5200
Facsimile 907/522-1645

HONOLULU

4443 Malaai Street
Honolulu, HI 96818
Mail to: P.O. Box 30048
Honolulu, HI 96820
Telephone: 808/422-2721
Facsimile 808/422-9557

CONTINENTAL UNITED STATES

Customer Service Department
3M Center Building 223-5S-07
St. Paul, MN 55144-1000
Order Entry 1-800-852-9722
Facsimile 1-800-447-0408

CANADA

1840 Oxford Street East
London, Ontario, Canada
N5V 3G2
Mail to: P.O. Box 5757
London, Ontario, Canada
N6A 4T1
Telephone: 800/364-3577
Facsimile: 800/479-4453

Important Notice:

This flyer is intended to be an introductory summary. The information provided is based upon typical conditions and is believed to be reliable; however, due to the wide variety of intervening factors 3M does not warrant that the results will necessarily be obtained. All details concerning product specifications and terms of sale are available from 3M.

3M Building and Commercial Services Division

St. Paul, MN 55144-1000
1-800-852-9722
www.3M.com/Commcare

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