



# Neutral Quat Disinfectant Cleaner Concentrate 23

## Technical Data

August 2009

### Description:

3M™ Neutral Quat Disinfectant Cleaner Concentrate 23 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 CaCO<sub>3</sub>) in the presence of 5% organic serum according to the AOAC Use-dilution Test.

3M™ Neutral Quat Disinfectant Cleaner Concentrate 23 disinfects, cleans and deodorizes in one labor-saving step. 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).

### Applications:

Use on washable, hard, nonporous surfaces in:

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

### Packaging:

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 Concentrate 23 using the Twist 'n Fill™ dispenser into a properly labeled bottle or mop bucket.

**Bactericidal Stability of use-dilution:** Tests confirm that 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23 when diluted in 400 ppm hard water remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* for up to 12 months when stored in a sealed container such as a spray bottle. 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.

### Disinfection/Cleaning/ Deodorizing Directions:

Remove heavy soil deposits from surface. Then thoroughly wet surface with a ready-to-use solution. The ready-to-use solution can be applied with a cloth, mop, sponge, or coarse spray, or soaking.

For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface; rub with a brush, cloth or sponge. Do not breathe spray. 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) OF 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/ body fluids, and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type I (HIV-1) or Hepatitis B virus (HBV) or Hepatitis C Virus (HCV).

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

**Personal Protection:** Disposable protective gloves, gowns, face masks, and eye coverings must be worn during all cleaning of blood/body fluids and during decontamination procedures.

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

### Contact Time:

HIV-1 is inactivated after a contact time of 4 minutes at 25°C, 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 listed.

### Disposal of infectious material:

Blood/body fluids must 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 disinfection directions.

### **Toilet Bowls:**

Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying use-solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first preclean to remove heavy soil, then remove or expel over the inner trap the residual bowl water. Pour in 3 oz. of the 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:** 3M™

Neutral Quat Disinfectant Cleaner Concentrate 23 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. Apply use-solution with a cloth, mop, sponge, or coarse spray. Make sure to wet all surfaces completely. Let air-dry. Repeat application weekly or when growth reappears.

### **Veterinary Practice/Animal Care:**

For cleaning and disinfecting hard nonporous surfaces: equipment 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 of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with detergent and rinse with water. Saturate surfaces with use-solution for a period of 10 minutes. Wire or allow to air dry. Ventilate buildings and other closed spaces. Thoroughly scrub all treated surfaces that come into contact with food, including equipment used for feeding or watering, with detergent and rinse with potable water before reuse. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

### **Efficacy:**

When properly diluted 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 pneumophilia  
Listeria monocytogenes  
Pasteurella multocida  
Proteus mirabilis  
Proteus vulgaris  
Pseudomonas aeruginosa<sup>1</sup>  
Salmonella choleraesuis  
Salmonella enteritidis  
Salmonella typhi  
Salmonella typhimurium  
Serratia marcescens  
Shigella flexneri  
Shigella sonnei  
Staphylococcus aureus<sup>1</sup>  
Staphylococcus aureus – MRSA (Methicillin Resistant)  
Community Associated Methicillin-Resistant Staphylococcus aureus – CA-MRSA USA300 and USA400  
Staphylococcus aureus – VISA (Vancomycin Intermediate Resistant)  
Staphylococcus epidermidis<sup>2</sup>  
Streptococcus faecalis<sup>1</sup>  
Staphylococcus pyogenes (Strep)

<sup>1</sup> ATCC & antibiotic-resistant strain.

<sup>2</sup> antibiotic-resistant strain only

#### Viruses

\*Adenovirus Type 4  
\*Hepatitis B Virus (HBV)  
\*Hepatitis C Virus (HCV)  
\*Herpes Simplex Type 1  
\*Herpes Simplex Type 2  
\*Human coronavirus  
\*HIV-1 (AIDS virus)  
\*Influenza A/Hong Kong  
\*Respiratory Syncytial Virus (RSV)  
\*Rotavirus  
\*Rubella (German Measles)  
\*SARS Associated Coronavirus  
\*Vaccinia [Pox virus]

#### Animal Viruses

\*Avian Influenza H5N1  
\*Avian polyomavirus  
\*Canine distemper  
\*Feline leukemia  
\*Feline picornaviruses  
\*Infectious bovine rhinotracheitis  
\*Infectious bronchitis (Avian IBV)  
\*Newcastle Disease  
\*Pseudorabies (PRV)  
\*Rabies  
\*Transmissible Gastroenteritis (TGE)

#### Fungi

Aspergillus niger  
Candida albicans  
Trichophyton mentagrophytes, (Athlete's Foot Fungus, a cause of Ringworm)

### **Product Specifications:**

(Typical Values)

#### **Active Ingredients:**

Didecyl dimethyl ammonium chloride 10.14%  
n-Alkyl (C<sub>14</sub> 50%, C<sub>12</sub> 40%, C<sub>16</sub> 10%)  
dimethyl benzyl ammonium chloride 6.76%

#### **EPA Registration:**

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

#### **Note:**

**Refer to product Material Safety Data Sheets (MSDS: 17-9106-0) 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 235-2E-81  
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.



**Building and Commercial Services Division**  
St. Paul, MN 55144-1000  
1-800-852-9722  
[www.3M.com/Building](http://www.3M.com/Building)

3M and Twist 'n Fill are trademarks of 3M.

Copyright © 2009, 3M IPC. All rights reserved.  
DMR#60078