



## Technical Data

# 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A and 23L/23H

### Description

3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A is a concentrated product to be diluted using only the 3M™ Flow Control Chemical Management System Wall Mount Dispenser or the 3M™ Flow Control System Portable Dispenser.

3M™ Neutral Quat Disinfectant Cleaner Concentrate 23L/23H 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 200 ppm (calculated as CaCO<sub>3</sub>) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test.

3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A, 23L/23H 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\*

### Applications

Disinfects, cleans, and deodorizes the following hard non-porous, inanimate surfaces:

- Floors, walls,
- metal surfaces, stainless steel surfaces
- glazed porcelain
- plastic surfaces (such as polypropylene, polystyrene, etc.).

For use in:

- Hospitals, nursing homes,
- Schools,
- Commercial and Industrial institutions
- Office buildings
- Hotels and Motels

### Packaging

#### 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A:

- 0.5 gallon bottle
- 4 bottles per case

Each 0.5 gallon bottle yields ~100 ready-to-use gallons (Dilution ratio 1:256)

#### 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23L/23H:

- 0.528 gallon bottle
- 6 bottles per case

Each 0.528 gallon bottle yields ~120 ready-to-use gallons (Dilution ratio 1:256)

### 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 SDS for personal protective equipment (PPE) recommendations.

Dispense 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A using the 3M™ Flow Control Chemical Management System Wall Mount Dispenser or the 3M™ Flow Control System Portable Dispenser into a properly labeled bottle or mop bucket.

Dispense 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23L/23H using the 3M™ Twist 'n Fill™ System Dispenser into a properly labeled bottle or mop bucket.

### Disinfection/Cleaning/Deodorizing Directions

Remove heavy soil deposits from surface. Then thoroughly wet surface with a use-solution of ½ ounce of concentrate per gallon of water or equivalent. The 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 must not be used to clean the following food contact surfaces: utensils, glassware and dishes.

### **Bactericidal Stability of Use-Dilution**

Tests confirm that 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A, 23L/23H, when diluted in 200 ppm hard water, remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella enterica* for up to one year 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.

**Mildewstatic Instructions:** 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A, 23L/23H will effectively control the growth of mold and mildew plus the odors caused by them when applied to hard non-porous surfaces such as walls, floors, and table tops. Apply ½ oz. per gallon water 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.

**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.

**\* KILLS HIV-1 (AIDS VIRUS), HBV (HEPATITIS B VIRUS), AND HCV (HEPATITIS C VIRUS) ON PRE-CLEANED HARD NON-POROUS 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, 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 of HIV-1 (AIDS Virus), or HBV or HCV on surfaces/objects soiled with blood/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:** Mix ½ oz. of 3M™ Neutral Quat Disinfectant Cleaner Concentrate per gallon of water (or equivalent dilution). HIV-1 (AIDS virus) is inactivated after a contact time of 4 minutes at 25°C (77°F) (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.

**Veterinary Practice/Animal Care/Animal Laboratory/Zoos/Pet Shop/Kennels Disinfection Directions:** 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 of ½ oz. per gallon of water for a period of 10 minutes. Wipe down 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 Concentrate 23A, 23L/23H is effective against the following pathogens:

#### **Bacteria**

*Acinetobacter baumannii*  
*Acinetobacter calcoaceticus*  
*Bordetella bronchiseptica*  
*Chlamydia psittaci*  
*Enterobacter aerogenes*  
*Enterobacter cloacae*  
*Enterobacter cloacae-NDM-1*  
*Escherichia coli-NDM-1*  
*Enterococcus faecalis - Vancomycin Resistant (VRE)*  
*Escherichia coli*<sup>1</sup>  
*Fusobacterium necrophorum*  
*Klebsiella pneumoniae*  
*Klebsiella pneumoniae-NDM-1*  
*Legionella pneumophilia*  
*Listeria monocytogenes*  
*Pasteurella multocida*  
*Proteus mirabilis*  
*Proteus vulgaris*  
*Pseudomonas aeruginosa*<sup>1</sup>  
*Salmonella enterica*  
*Salmonella enteritidis*  
*Salmonella typhi*  
*Salmonella typhimurium*  
*Serratia marcescens*  
*Shigella flexneri*  
*Shigella sonnei*  
*Staphylococcus aureus*<sup>1</sup>  
*Staphylococcus aureus – Methicillin Resistant (MRSA)*  
*Community Associated Methicillin-Resistant Staphylococcus aureus – CA-MRSA, (NRS384) (USA 300) and (USA400)*  
*Staphylococcus aureus – Vacomycin Intermediate Resistant (VISA)*  
*Staphylococcus epidermidis*<sup>2</sup>  
*Streptococcus faecalis*<sup>1</sup>  
*Steptococcus pyogenes (Strep)*

<sup>1</sup> ATCC and 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 Virus/Hong Kong  
\*Respiratory Syncytial Virus (RSV)  
\*Rotavirus  
\*Rubella  
\*SARS-Associated Coronavirus  
\*Vaccinia [Pox virus]

#### Animal Viruses

\*Avian Influenza H5N1  
\*Avian polyomavirus  
\*Canine distemper  
\*Feline leukemia

\*Feline picornavirus  
\*Infectious bovine rhinotracheitis  
\*Infectious bronchitis (Avian IBV)  
\*Newcastle Disease  
\*Pseudorabies (PRV)  
\*Rabies  
\*Transmissible Gastroenteritis virus (TGE)

#### Fungi

Aspergillus niger  
Candida albicans  
Trichophyton mentagrophytes (Athlete's Foot fungus)

#### 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%

**Inert Ingredients:** 83.1%

#### EPA Registration

EPA Reg. No. 47371-129-10350  
EPA Est. No. 75521-WI-002 (P), 75521-  
WI-001 (P), 10350-WI-001 (D)

#### NOTE:

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

#### 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A, 23L/23H

- 24-1364-9 (Concentrate)
- 24-3949-5 (RTU)

### 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 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.

**Warranty and Limited Remedy:** 3M warrants that each 3M product will be free from defects in material and manufacture for 90 days from the date of purchase from 3M's authorized distributor. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal or equitable theory asserted.



#### Commercial Solutions Division

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

3M and Twist 'n Fill are trademarks of 3M Company.  
Used under license in Canada.  
© 3M 2015. All rights reserved.

