



## Technical Data

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

### Description

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 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, nonporous, 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

- 2-liter bottle
- 6 bottles per case

Each 2-liter bottle yields ~120 ready-to-use gallons (1:256 dilution)

### 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 23L/23H using the 3M™ Twist 'n Fill™ System Dispenser into a properly labeled bottle or mop bucket.

**Bactericidal Stability of Use-Dilution**  
Tests confirm that 3M™ Neutral Quat Disinfectant Cleaner Concentrate 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.

### 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 must not be used to clean the following food contact surfaces: 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, an 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** – HIV-1 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.

**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 pre-clean 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.

**Mildewstatic Instructions** – 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23L/23H will effectively control the growth of mold and mildew plus the odors caused by them when

applied to 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/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 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 Concentrate 23L/23H is effective against the following pathogens:

### Bacteria

Acinetobacter calcoaceticus  
Bordetella bronchiseptica  
Chlamydia psittaci  
Enterobacter aerogenes  
Enterobacter cloacae  
Enterococcus faecalis - Vancomycin Resistant (VRE)  
Escherichia coli  
Fusobacterium necrophorum  
Klebsiella pneumoniae  
Legionella pneumophila  
Listeria monocytogenes  
Pasteurella multocida

Proteus mirabilis  
Proteus vulgaris  
Pseudomonas aeruginosa  
Salmonella enterica  
Salmonella enteritidis  
Salmonella typhi  
Salmonella typhimurium  
Serratiamarcescens  
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 – Vancomycin Intermediate Resistant (VISA)  
Staphylococcus epidermidis <sup>2</sup>  
Streptococcus faecalis <sup>1</sup>  
Streptococcus 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 (German Measles)  
\*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%

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

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

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

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