

## Product Description

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

3M™ Neutral Quat Disinfectant Cleaner Concentrate 23L and 23H are concentrated products to be diluted and dispensed using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System.

These products are multi-purpose, neutral pH, germicidal detergents and deodorants 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, and 23H disinfect, clean and deodorize 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.\* Effective against SARS-CoV-2 in 1 minute.

## 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

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

- 0.5 gallon bottle
- Four bottles per case

Each 0.5-gallon bottle makes 128 ready-to-use gallons (typical yield).

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

- 0.528 gallon bottle
- Six bottles per case

Each 0.528 gallon bottle yields ~135 ready-to-use gallons (typical yield).

## 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:

- Is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, *OR*:
- 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.

Dilute 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23A using the 3M™ Flow Control System Dispenser into a properly labeled bottle or mop bucket.

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

**Bactericidal Stability of Use-Dilution** Tests confirm that these products, 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.

Use-dilution product in open containers must be prepared daily or more often if the solution becomes visibly dirty or diluted or contaminated.

## Disinfection/Cleaning/Deodorizing Directions

Remove visible soil deposits from surface. Then visibly 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 visibly wet on the 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. For SARS-CoV-2, treated surfaces must remain visibly wet for 1 minute.

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, 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 1 (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 visibly cleaned from surfaces and objects before application of this product.

**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 and other body fluids, cleaning materials, and clothing must be autoclaved or disposed of according to Federal, State and/or 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 visible soil prior to cleaning or disinfecting. Clean by applying use-solution around the bowl and under the rim. Stubborn stains may require brushing. To disinfect, first preclean to remove visible 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. Allow the surface to remain visibly wet for 10 minutes or overnight, then flush.

**Mildewstatic Instructions:** This product will effectively control the growth of mold and mildew, in addition to 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 visibly 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. Visibly clean all surfaces with detergent and rinse with water.

Saturate surfaces with use-solution for a period of 10 minutes. Wipe 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 diluted using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System or 3M™ Flow Control System Dispenser, 3M™ Neutral Quat Disinfectant Cleaner Concentrate 23 is effective against the following microorganisms:

### Bacteria

- Acinetobacter baumannii*
- Acinetobacter calcoaceticus*
- Bordetella bronchiseptica*
- Chlamydia psittaci*
- Enterobacter aerogenes*
- Enterobacter cloacae*- NDM-1
- Enterococcus faecalis* - Vancomycin Resistant (VRE)
- Escherichia coli* -NDM-1
- Fusobacterium necrophorum*
- Klebsiella pneumoniae*- NDM-1
- Legionella pneumophila*
- Listeria monocytogenes*
- Pasteurella multocida*
- Proteus mirabilis*
- Proteus vulgaris*
- Pseudomonas aeruginosa*
- Salmonella enterica*
- Salmonella enteritidis*
- Salmonella typhi*
- Salmonella typhimurium*
- Serratia marcescens*
- Shigella flexneri*
- Shigella sonnei*
- Staphylococcus aureus*<sup>1</sup>
- Staphylococcus aureus* – Methicillin Resistant (MRSA)
- Staphylococcus aureus* - Community Associated Methicillin resistant (MRSA), (NRS384), (USA 300), and (USA 400)
- Staphylococcus aureus* – Vancomycin Intermediate Resistant (VISA)
- Staphylococcus epidermidis*<sup>2</sup>
- Streptococcus faecalis*<sup>1</sup>
- Streptococcus pyogenes*

<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)
- \*SARS-CoV-2
- \*Influenza A Virus
- \*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)*

## EPA Registration

EPA Reg. No. 47371-129-10350 EPA Est. No.) 75521-WI-002

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

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

## Health and Safety

### CAUTION

When handling any chemical products, read the manufacturers' container labels and the safety data sheets (SDS) for important health, safety, and environmental information. To obtain SDS for 3M products go to [3M.com/SDS](https://www.3m.com/SDS). To request SDS by mail, or in case of an urgent situation, call 1-800-364-3577 or 1-651-737-6501.

When using any equipment, always follow the manufacturer's instructions for safe operation.

## Warranty Information

### Technical Information

The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information. If you have questions about this Product, contact the **Customer Service Department at 1-800-626-8578**.

### Product Selection and 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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

## Warranty, Limited Remedy, and Disclaimer

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## Limitation of Liability

Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

### Commercial Branding and Transportation

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