



# Technical Bulletin

## 3M™ Neutral Quat Disinfectant Cleaner Concentrate

**Number:** TB-C-120

**Date:** May 4, 1998

**EPA Registration Number:** 47371-129-10350

**Supersedes:** New

### Active Ingredients

Didecyl dimethyl ammonium chloride	9.22 %
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethylbenzyl ammonium chloride	6.14 %
Other Ingredients	84.64 %

### Dilution

Preparation of ready-to-use solution

This product is intended to be diluted 1/2 ounce per gallon for disinfectant use. Follow product label directions or dispense with the 3M Twist 'n Fill™ Dispenser to obtain properly diluted product.

### Product Information

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 a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test. It disinfects, cleans and deodorizes in one labor-saving step.

Recommended for use in hospitals, nursing homes, schools, colleges, commercial and industrial institutions, office buildings, veterinary clinics, animal life science laboratories, equine farms, tack shops, pet shops, airports, kennels, hotels, motels, poultry farms, turkey farms, dairy farms, hog farms, breeding establishments, grooming establishments, and funeral homes.

## **Directions for Use**

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

**Application:** Remove heavy soil deposits from surface. Then thoroughly wet surface with ready-to-use solution. The solution can be applied with a cloth, mop, sponge, or coarse spray, or by 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. Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted.

**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 three ounces 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.

**Mildewstatic Instructions:** 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 ready-to-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.

### **Special Instructions For Cleaning And Decontamination Against HIV-1 of Surfaces/ Objects Soiled With Blood/Body Fluids.**

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

**Cleaning Procedures:** Blood/body fluids must be thoroughly 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). Use a 10 minute contact time for other viruses, fungi and bacteria listed.

**Disposal Of Infectious Materials:** Blood/body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

## **Bactericidal Efficacy**

When applied as indicated in the Directions for Use, this product is effective against the following pathogens:

Pseudomonas aeruginosa (1)	Proteus mirabilis
Staphylococcus aureus (1)	Proteus vulgaris
Salmonella choleraesuis	Salmonella enteritidis
Acinetobacter calcoaceticus	Salmonella typhi
Bordetella bronchiseptica	Salmonella typhimurium
Chlamydia psittaci	Serratia marcescens
Enterobacter aerogenes	Shigella flexneri
Enterobacter cloacae	Shigella sonnei
Escherichia coli (1)	Staphylococcus aureus (methicillin resistant)
Fusobacterium necrophorum	Staphylococcus epidermidis (2)
Klebsiella pneumoniae (1)	Staphylococcus faecalis (1)
Legionella pneumonophila	Streptococcus pyogenes
Listeria monocytogenes	Enterococcus faecalis (vancomycin resistant)
Pasteurella multocida	

- (1) ATCC and antibiotic-resistant strain  
(2) Antibiotic-resistant strain only

## **Virucidal Efficacy**

When applied as indicated in the Directions for Use, this product is effective against the following viruses:

Adenovirus Type 4	Infectious bronchitis (Avian IBV)
Avian polyomavirus	Influenza A/Hong Kong
Canine distemper	Pseudorabies
Feline leukemia	Rabies
Herpes simplex Type 1	Respiratory syncytial virus (RSV)
Herpes simplex Type 2	Rubella (German Measles)
HIV-1 (AIDS virus)	Transmissible gastroenteritis virus (TGE)
Infectious bovine rhinotracheitis	Vaccinia

## **Fungicidal Effectiveness**

When applied as indicated in the Directions for Use, this product is effective against the following fungi:

Aspergillus niger  
Candida albicans  
Trichophyton mentagrophytes

## Precautionary Statements

### Hazards to Humans and Domestic Animals

**DANGER: Corrosive.** Causes eye damage and severe skin irritation. Harmful if swallowed. Do not get in eyes, on skin or on clothing. When handling product (concentrate), protect eyes by wearing goggles or face shield and protect skin by wearing rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## First Aid

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, immediately drink a large quantity of water. Avoid alcohol. Get medical attention.

**Note To Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

## Environmental Hazard

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## Storage and Disposal

Keep product under locked storage inaccessible to children. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container Disposal:

**1 GALLON PLASTIC CONTAINERS OR SMALLER:** Do not reuse empty container. Rinse thoroughly, securely wrap in several layers of newspaper, and discard empty containers in trash.

**2.5 GALLON PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, burn. If burned, stay out of smoke.

**55 GALLON DRUMS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures approved by state and local authorities.

**3M**

Commercial Care Division

3M Center Building 223-3N-05  
St. Paul, MN 55144-1000

70-0707-8244-9

© 3M 1998