



Canada

Neutral Quat Disinfectant Cleaner

Twist 'n Fill™ No. 23

Technical Data

January 2010

Description:

3M™ Neutral Quat Disinfectant Cleaner is a concentrated product to be diluted and dispensed using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System.

This product is a neutral pH "one-step" disinfectant-cleaner-deodorizer-sanitizer-bactericide-fungicide-mildewstat-virucide effective in hard water up to 400 ppm (calculated as CaCO₃) in the presence of 5% organic serum according to the AOAC Use-dilution Test.

3M™ Neutral Quat Disinfectant Cleaner is a one-step, low-level, hospital grade disinfectant cleaner. The product effectively disinfects, cleans, and deodorizes in one labor-saving step.

Applications:

Use on washable, hard, nonporous surfaces in:

- hospitals, nursing homes
- schools, colleges
- commercial, industrial institutions
- office buildings
- veterinary clinics
- airports
- hotels, motels

Registration:

DIN No. 02268620

Packaging:

Concentrate:

2-litre bottle per case

Each 2-litre bottle yields 454 ready-to-use litres

General Use Directions:

Refer to ready-to-use MSDS for personal protective equipment (PPE) recommendations.

For use on hard non-porous surfaces such as floors, walls, metal surfaces, stainless steel surfaces, porcelain, and plastic surfaces. Remove gross filth and heavy soil deposits then thoroughly wet surfaces.

Disinfection: Use 4 mL per litre of water for a minimum contact time of 10 minutes in a single application. Can be applied with a mop, sponge, cloth, coarse spray or by soaking. The recommended use solution is prepared fresh for each use then discarded. Rinsing is not necessary unless floors are to be waxed or polished. Effective against the following organisms according to AOAC Use Dilution method:

Aspergillus niger
Bordetella bronchiseptica
Chlamydia psittaci
*E. Coli**
Enterobacter aerogenes
Enterobacter cloacae
*Enterococcus faecalis** (VRE)
Fusobacterium necrophorum
*Klebsiella pneumoniae**
Pasteurella multocida
Proteus mirabilis
Proteus vulgaris
*Pseudomonas aeruginosa**
Salmonella choleraesuis
Salmonella typhi
Salmonella typhimurium
Serratia marcescens
Shigella flexneri
Shigella sonnei
*Staphylococcus aureus** (MRSA)
*Staphylococcus epidermidis**
*Streptococcus faecalis**
Streptococcus pyogenes

*indicates effective against regular and antibiotic resistant strains.

Viruses:

Adenovirus type IV
Coronavirus
Herpes simplex type I
Herpes simplex type II
Influenza Type A
Paramyovirus
Picornavirus
Pseudorabies virus
Retrovirus
Rhabdovirus
Rhinovirus
Rubella virus
Vaccinia virus

This product has demonstrated effectiveness against Influenza Type A and Vaccinia virus and is expected to inactivate all Influenza A viruses including 2009 (H1N1) pandemic Influenza A virus.

Effective against the following as determined by the Phenol coefficient method:

Candida albicans
Trichophyton interdigitale

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 solution of 4 mL per litre of water with cloth, mop, sponge or coarse spray making sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/ OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODILY FLUIDS in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/ objects with blood or bodily fluids, and in which the surfaces/objects likely to be soiled with blood or bodily fluids can be associated with the potential for transmission of human immunodeficiency virus HIV-1.

Special Instructions for Cleaning or Decontaminating Against HIV 1 on Surfaces and Objects Soiled with Blood or Bodily Fluids:

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

Cleaning Procedure: Blood/bodily fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant.

Contact Time: Effective against HIV-1 on hard non-porous surfaces in the presence of a moderate amount of organic soil (5% blood serum) when used at a 1:256 dilution (providing 600 ppm of active quaternary) in 400 ppm CaCO₃ hard water for a contact time of 4 minutes at room temperature (20-25 °C). Use a ten (10) minute contact time for disinfection against all other bacteria, fungi, and viruses claimed.

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

Product Specifications:
(Typical Values)

Active Ingredients:

Didecyl dimethyl ammonium chloride	10.5%
n-Alkyl (C12 40%, C14 50%, C16 10%) dimethyl benzyl ammonium chloride	6.14%

Registration:

DIN No. 02268620

Concentrate:

1. pH: ~ 7
2. Flash Point: ~ 93.3 °C TCC
3. Solubility in Water: Complete
4. Specific Gravity: ~ 1 Water=1
5. Viscosity: ~ 100 cps
6. Appearance: Clear, light yellow to dark green liquid
7. Fragrance: Fresh, Clean

Ready-to-Use:

1. pH: ~ 7 - 8
2. Flash Point: N/A
3. Solubility in Water: Complete
4. Specific Gravity: ~1 Water=1
5. Viscosity: ~ 100 cps
6. Appearance: Clear to light green liquid
7. Fragrance: Pleasant

Precaution Summary:

Concentrate:

Eye Contact: Corrosive to the eyes.

Skin Contact: Corrosive to the skin.

Inhalation: Respiratory Tract Irritation and central nervous system depression.

Ready-to-Use:

Eye Contact: Mild eye irritant.

Skin Contact: Mild skin irritant.

Inhalation: Respiratory Tract Irritation

Note:

Refer to product Material Safety Data Sheet (MSDS: Concentrate 17-9106-0, Ready-to-use 17-9108-6) for specific health hazard, first aid and precautionary information.

Important:

The information provided in this report 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.



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