



Canada

# Quat Disinfectant Cleaner

## Twist 'n Fill™ No. 5

### Technical Data

May 2008

#### Description:

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

3M™ Quat Disinfectant Cleaner is a proven "one-step" disinfectant-cleaner-deodorizer-sanitizer-fungicide-mildewstat which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

#### Active Ingredients:

Octyl decyl dimethyl ammonium chloride	6.510%
Diocetyl dimethyl ammonium chloride	2.604%
Didecyl dimethyl ammonium chloride	3.906%
Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride	8.680%

#### Registration:

DIN No. 02091852

#### Packaging:

##### Concentrate:

1 – 2 litre bottle per box

Each 2-litre bottle yields 480 ready-to-use litres

#### Applications:

Use on washable, hard, nonporous surfaces in:

- Institutions
- Hospitals
- Food processing plants
- Industrial environments.

#### General Use Directions:

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

Dispense 3M™ Quat Disinfectant Cleaner using the Twist 'n Fill™ Dispenser into a properly labeled bottle or mop bucket.

Apply 3M™ Quat Disinfectant Cleaner to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bedframes with a cloth or mop so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty. All surfaces which come in contact with food are to be rinsed after disinfection and prior to use.

#### Disinfection:

To disinfect hard non-porous surfaces, add 4 mL/L of water. Treated surfaces must remain wet for 10 minutes. At this use level, 3M™ Quat Disinfectant Cleaner is also fungicidal. At this dilution, all surfaces on which this product is used and which come in contact with food, are to be rinsed with potable water. At 4 mL/L Use Level: The broad spectrum activity of 3M™ Quat Disinfectant Cleaner has been evaluated and found to be effective against the following organisms by the AOAC Use Dilution test:

#### Bacteria

*Acinetobacter baumannii*  
*Brevibacterium ammoniagenes*  
*Enterobacter aerogenes*  
*Enterococcus faecalis*  
*Vancomycin resistant (VRE)*  
*Escherichia coli*  
*Klebsiella pneumoniae*  
*Methicillin Resistant*  
*Staphylococcus aureus (MRSA)*  
*Pseudomonas aeruginosa*  
*Salmonella choleraesuis*

*Salmonella schottmuelleri*  
*Salmonella typhi*  
*Shigella dysenteriae*  
*Staphylococcus aureus*  
*Staphylococcus aureus Vancomycin Intermediate resistant (VISA)*  
*Streptococcus faecalis*  
*Streptococcus pyogenes.*

#### Mold and Mildew Control:

4 mL/L use-level, 3M™ Quat Disinfectant Cleaner will effectively inhibit the growth of mold and mildew and the odours caused by them when applied to hard, non-porous surfaces (as indicated in general cleaning instructions above). Allow to dry on surface and repeat when mildew growth returns.

#### Virucidal Performance:

At 4 mL/L use-level, 3M™ Quat Disinfectant Cleaner was evaluated and found to be effective against the Influenza A/Brazil Virus, Feline Calicivirus tested as a surrogate for Norwalk Virus, and Human Coronavirus on inanimate environmental surfaces.

**AOAC FUNGICIDAL TEST:** 3M™ Quat Disinfectant Cleaner is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

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

This product is effective against HIV 1 (Human Immunodeficiency Virus) in the presence of organic soil (5% blood serum).

**Personal Protection:** When handling items soiled with blood or bodily fluids, wear disposable latex gloves, gowns, masks, and eye coverings.

**Cleaning Procedure:** Thoroughly clean blood or bodily fluids from surfaces before applying 3M™ Quat Disinfectant Cleaner. Contact Time: To kill HIV 1, apply 3M™ Quat Disinfectant Cleaner at 4 mL/L of water and allow surface to remain wet for 10 minutes.

**Disposal of Infectious Material:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

**Product Specifications:**  
(Typical Values)

**Concentrate:**

1. pH: ~ 12.6
2. Flash Point: ~ 56.11°C TCC
3. Solubility in Water: Complete
4. Specific Gravity: ~ 1 Water=1
5. Viscosity: ~ 100 Centipoise
6. Appearance and Fragrance:
7. Colour: Clear, green
8. Fragrance: Pleasant odour

**Ready to Use:**

1. pH: ~ 9.6
2. Flash Point: N/A
3. Solubility in Water: Complete
4. Specific Gravity: ~ 1 Water=1
5. Viscosity: ~ 100 Centipoise
6. Appearance and Fragrance:
7. Colour: Clear, light green
8. Fragrance: Pleasant odour

**Precaution Summary:**

**Concentrate:**

Eye Contact: Corrosive to the eyes.  
Skin Contact: Corrosive to the skin.  
Inhalation: Respiratory Tract Irritation  
May be absorbed following inhalation and cause target organ effects

**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 17-9553-3, Ready-to-use 17-9600-2) 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.



**Building & Commercial Services Division**

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