

MATERIAL SAFETY 3M  
DATA SHEET 3M Center  
St. Paul, Minnesota  
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DIVISION: COMMERCIAL CARE DIVISION  
TRADE NAME:

3M Brand QUAT DISINFECTANT CLEANER Ready-to-Use (Product No. 5, Twist  
'n Fill (tm) System)  
ISSUED: November 27, 2001  
SUPERSEDES: July 16, 2001  
DOCUMENT: 06-2223-3

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	> 99
BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES.....	68424-85-1	< 0.1
OCTYLDECYLDIMETHYLAMMONIUM CHLORIDE.....	32426-11-2	< 0.1
DIDECYLDIMETHYLAMMONIUM CHLORIDE.....	7173-51-5	< 0.1
DIOCTYL DIMETHYL AMMONIUM CHLORIDE.....	5538-94-3	< 0.1

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24  
HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

2. PHYSICAL DATA

BOILING POINT:..... 212 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY:..... N/D  
EVAPORATION RATE:..... N/D  
SOLUBILITY IN WATER:..... complete  
SPECIFIC GRAVITY:..... ca. 1 Water=1  
PERCENT VOLATILE:..... ca. 99 %  
pH:..... ca. 9.6  
VISCOSITY:..... < 100 centipoise  
MELTING POINT:..... N/A

APPEARANCE AND ODOR:

Liquid, clear; colorless to light green color; pleasant fragrance

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... N/A  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:  
Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:  
Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None known. See Hazardous Decomposition section for products of  
combustion.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 0 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Not applicable

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
Not applicable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide and Carbon Dioxide, Hydrogen Chloride, Irritant  
Vapors or Gases.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:  
Observe precautions from other sections. Ventilate area. Contain  
spill. Cover with absorbent material. Collect spilled material.  
Clean up residue with water. Place in a closed container.

RECOMMENDED DISPOSAL:  
Flush spent solutions and small quantities (less than 5 gal.(19 L))  
to a wastewater treatment system. Reduce discharge rate if foaming  
occurs.

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5. ENVIRONMENTAL INFORMATION (continued)  
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ENVIRONMENTAL DATA:

A Product Environmental Data Sheet (PED) is available.

See MSDS for product concentrate.

REGULATORY INFORMATION:

Volatile Organic Compounds: < 10 gms/liter calculated per CARB title 2  
section 94507.

VOC Less H2O & Exempt Solvents: < 10 gms/liter calculated per CARB title 2  
section 94507.

Since regulations vary, consult applicable regulations or authorities  
before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S.  
EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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6. SUGGESTED FIRST AID  
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EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate  
medical attention.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If  
signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

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7. PRECAUTIONARY INFORMATION (continued)  
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RECOMMENDED VENTILATION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of spray or mists.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed.

OTHER PRECAUTIONARY INFORMATION:

NOTE: The above precautionary information presumes that this ready-to-use product has been diluted and dispensed from a TWIST'n FILL (tm) Chemical Dispenser.

HMSI HAZARD RATINGS: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0  
PERSONAL PROTECTION: X (See precautions, section 7.)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER.....	NONE	NONE	NONE	NONE	
BENZYL-C12-16-ALKYLDIMETHYL AMMONIUM CHLORIDES.....	NONE	NONE	NONE	NONE	
OCTYLDECYLDIMETHYLAMMONIUM CHLORIDE.....	NONE	NONE	NONE	NONE	
DIDECYLDIMETHYLAMMONIUM CHLORIDE.....	NONE	NONE	NONE	NONE	
DIOCTYL DIMETHYL AMMONIUM CHLORIDE...	NONE	NONE	NONE	NONE	

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- NONE: None Established

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8. HEALTH HAZARD DATA  
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EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling,  
pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact):  
signs/symptoms can include redness, swelling, and itching.

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness  
of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can  
include pain, vomiting, abdominal tenderness, nausea, blood in  
vomitus, and blood in feces.

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SECTION CHANGE DATES  
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INGREDIENTS	SECTION CHANGED SINCE July 16, 2001	ISSUE
PRECAUTIONARY INFO.	SECTION CHANGED SINCE July 16, 2001	ISSUE

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