

MATERIAL SAFETY
DATA SHEET**3M**

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DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand QUAT DISINFECTANT CLEANER Ready-to-Use
(Product No. 5, Twist 'n Fill (tm) System)

ISSUED: FEBRUARY 28, 1997

SUPERSEDES: DECEMBER 6, 1996

DOCUMENT: 06-2223-3

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER	7732-18-5	> 99
ALKYL (C-14 50%, C-12 40%, C-16 10%) DIMETHYL BENZYL AMMONIUM CHLORIDE ..	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

NOTE: IN CASE OF EMERGENCY: THE NUMBER AT THE TOP OF THIS PAGE PROVIDES 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
SP. GRAVITY:..... ca. 1 Water = 1
PERCENT VOLATILE: ca. 99 %
pH: ca. 9.6
VISCOSITY: < 100 CPS
MELTING POINT..... N/A
APPEARANCE AND ODOR: Liquid, clear; colorless to light green color; pleasant fragrance

3. FIRE AND EXPLOSION HAZARD DATA

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

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

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Not applicable.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Hydrogen Chloride, Irritant
Vapors or Gases.**5. ENVIRONMENTAL INFORMATION**

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.

ENVIRONMENTAL DATA:

A Product Environmental Data Sheet (PED) is available.

See MSDS for product concentrate.

REGULATORY INFORMATION:

Volatile Organic Compounds: < 10 gms/liter.

VOC Less H2O & Exempt Solvents: < 10 gms/liter.

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

6. SUGGESTED FIRST AID

EYE CONTACT:

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

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6. SUGGESTED FIRST AID

(continued)

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.

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

Avoid eye contact with vapor, spray, or mist.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

VENTILATION PROTECTION:

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

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
WATER	NONE	NONE	NONE	NONE

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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
ALKYL (C-14 50%, C-12 40%, C-16 10%)				
DIMETHYL BENZYL AMMONIUM CHLORIDE ..	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:

- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- NONE: None Established

8. HEALTH HAZARD DATA**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.

SECTION CHANGE DATES

HEADING

SECTION CHANGED SINCE DECEMBER 6, 1996 ISSUE

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SECTION CHANGE DATES

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

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