化全性性系统 人的工程是不為於

MATERIAL SAFETY DATA SHEET



Copyright, 2001, Minnesota Mining and Manufacturing Company.
All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that:

1) the information is copied in full with no changes unless prior agreement

is obtained from 3M, and
2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

DIVISION: COMMERCIAL CARE DIVISION TRADE NAME:

ADE NAME:
3M Brand NEUTRAL QUAT DISINFECTANT CLEANER CONCENTRATE .........

(Product No. 23, Twist 'n Fill (tm) System)

ID NUMBER/U.P.C.:

70-0708-3105-5 00-48011-23552-8 70-0708-3143-6 00-48011-23583-2 70-0708-4022-1 00-48011-23552-8 70-0709-7764-3 00-48011-26056-8 70-0709-7765-0 00-48011-26057-5 70-0710-0728-3 00-48011-26056-8 70-0710-0729-1 00-48011-26057-5 70-0710-1485-9 00-48011-23890-1

ISSUED: APRIL 9, 2001 SUPERSEDES: OCTOBER 17, 2000

DOCUMENT: 08-5081-8

1. INGREDIENT	C.A.S. NO. PERCENT
WATER	7732-18-5
DIDECYL DIMETHYL AMMONIUM CHLORIDE	
QUATERNARY AMMONIUM COMPOUNDS,	
ALKYLBENZYLDIMETHYL, CHLORIDÉS	
OCTYLDIMETHYLAMINE OXIDE	
ETHYLENEDIAMINETETRAACETIC ACID	
ETHYL ALCOHOL	64-17-5 1 - 5
SODIUM HYDROXIDE	1310-73-2 0.5 - 1.5
HYDROGEN PEROXIDE	7722-84-1 < 0.02

#### PHYSICAL DATA

BOILING POINT:.... ca. 212 F VAPOR PRESSURE:.... N/D N/Doese no labolouber no el bivareacide! VAPOR DENSITY: EVAPORATION RATE: SOLUBILITY IN WATER: N/D compared the first of some complete SP. GRAVITY:....

ca. 1.0 Water = 1 ca. 75 % ca. 7.7 PERCENT VOLATILE: ..... pH: < 100 CPS

VISCOSITY: .....

is in the second 

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: .. > 200 F T.C.C.

FLAMMABLE LIMITS - LEL: .....
FLAMMABLE LIMITS - UEL: ..... N/D N/D AUTOIGNITION TEMPERATURE: ... N/D

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

		¥	Aur
			$\bigcirc$

3M Center St. Paul, MN 55144-1000 (24 hours)

anoillO forman 0 146 01-68 3723

MATERIAL GARBIN BATA SERVI

MATERIAL SAFETY DATA SHEET



(Product No., 23, Twist 'n Fill (tm) System) a parvac . beviese single 11A 9, 2001 believes bevolk at stoubers 18 patrille viscous to PAGE: 92 of nemestes series and the state of the series and the series of the series and the series of the APRIL 9, 2001 bakiyang bawolla si stouters

PAGE: 2 of

# 3. FIRE AND EXPLOSION HAZARD DATA (continued)

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

OTERSTAR: COMPRESSAL CARR BIRTHIR 

a profit thereon.

See Hazardous Decomposition section for products of combustion. Closed containers exposed to heat from fire may build pressure and

NFPA HAZARD CODES: HEALTH: 3 FIRE: 1 REACTIVITY: 0

UNUSUAL REACTION HAZARD: corrosive

# 4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

None known.

HAZARDOUS POLYMERIZATION: Will Not Occur HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen Chloride.

# 5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Contain spill. Cover with inorganic absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.

-4-545

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustible material. Combustion products will include HCl.

ENVIRONMENTAL DATA: Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 2 - 3 %. VOC Less H20 & Exempt Solvents: N/D. Exempt

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

TSCA: All components used in the manufacture of this material are in compliance with the US TSCA inventory.

Abbreviations: W/D - Not Determined, W/A - Not Applicable CA - Approximately

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

			ĝ, cu



MSDS: 3M Brand NEUTRAL QUAT DISINFECTANT CLEANER CONCENTRATE .....

(Product No. 23, Twist 'n Fill (tm) System)

APRIL 9, 2001 PAGE: 3 of 6

(continued)

5. ENVIRONMENTAL INFORMATION

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 for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Immediately flush skin with large amounts of water Remove

Immediately flush skin with large amounts of water. Remove contaminated clothing. If irritation persists, call a physician. Wash contaminated clothing before reuse.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If

signs/symptoms continue, call a physician.

IF SWALLOWED:

If swallowed, do NOT induce vomiting. Give victim two glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

OTHER FIRST AID:

Measures against circulatory shock, respiratory depression, and convulsion may be needed.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, eye contact with the concentrate is not expected to occur. Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear vented goggles. Wear full-face shield.

SKIN PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur. Avoid skin contact. 'Wear appropriate'gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, neoprene, nitrile rubber.

**VENTILATION PROTECTION:** 

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required.

	<u>\$</u>	σN



MSDS: 3M Brand NEUTRAL QUAT DISINFECTANT CLEANER CONCENTRATE ..... (Product No. 23, Twist 'n Fill (tm) System)

APRIL 9, 2001

PAGE:

#### 7. PRECAUTIONARY INFORMATION (continued)

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

# RESPIRATORY PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, respiratory protection is not required. Avoid breathing of vapors, mists or spray. Avoid breathing of airborne material.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For 1 1 . graduals has a manage and particles but suitables

Avoid contamination of food.

## RECOMMENDED STORAGE:

ง กระก็อนิกต์ โดยเกรียกเรียกไม่ต่อง ผู้สัง Store away from areas where product may come into contact with food or pharmaceuticals. Do not store containers on their sides. 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:

HER PRECAUTIONARY INFORMATION:
Not intended for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label.

Avoid creasing or impacting container side walls.

HMIS HAZARD RATINGS: HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0
PERSONAL PROTECTION: X (See precautions, section 7.)

EXPOSURE LIMITS

INGREDIENTS	VALUE	UNIT	TVDE	AUTH SKIN*
WAIER	NONE	NONE		AUTH SKIN* NONE
DIDECYL DIMETHYL AMMONIL	IM CHIORIDE NONE			
QUATERNARY AMMONIUM COMP	POLINDS			NONE
ALKYLBENZYLDIMETHYL, CH	II OPIDES NONE			t andia
OCTYLDIMETHYLAMINE OXIDE	LOKIDES MUNE			NONE
ETHVI ENEDT AMTNETETDA ACET	TO TO THE NUME			NONE
ETHYLENEDIAMINETETRAACET	IC ACID NONE	NONE	NONE	NONE
ETHYL ALCOHOL	1000	no ppm - best	TWA	ACGIH
LINIL ALCONOL	1000	The second secon	TWA	OSHA
			CEIL	ACGIH
PODION NUMBER	2	ma/mZ		
20DION HIDKOVIDE	. • • • • • • • • • • • • • • • • • • •	mg/m3		,
ક્ષું કેન્ટ્રેક કે જેવા કે તેને <del>કેન્</del> ટ્રેલ કુંદ્ર કે તેને કે કેન્દ્રે	15 M	INUTES TWA		Criko
HYDROGEN PEROXIDE	15 //			
	Т.	, ppm	TWA	ACGIH

		A.
	·	



MSDS: 3M Brand NEUTRAL QUAT DISINFECTANT CLEANER CONCENTRATE (Product No. 23, Twist 'n Fill (tm) System)

APRIL 9, 2001

PAGE: 5 of

Har Caragan Garage Cons

# 7. PRECAUTIONARY INFORMATION

(continued)

## EXPOSURE LIMITS

INGREDIENTS UNIT TYPE AUTH SKIN\* HYDROGEN PEROXIDE ..... ppm

\* 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:

sem tenedro fo with the continue with

- ACGIH: American Conference of Governmental Industrial Hygienists OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

## 8. HEALTH HAZARD DATA

## EYE CONTACT:

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea; chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

### SKIN CONTACT:

Severe Skin Irritation: signs/symptoms can include redness, swelling, itching, dryness, cracking, blistering, and pain.

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

### INHALATION:

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

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

# Prolonged or repeated exposure may cause:

of the date Leaged. 3: BUT NOT LIMITED TO, ANY Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

			ž.	45-



MSDS: 3M Brand NEUTRAL QUAT DISINFECTANT CLEANER CONCENTRATE

(Product No. 23, Twist 'n Fill (tm) System)

APRIL 9, 2001

PAGE: 6 of

# 8. HEALTH HAZARD DATA

#### (continued)

### IF SWALLOWED:

Harmful or fatal if swallowed.

Damage to Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomitus, blood in feces, and ulceration.

Note: This product contains ethanol. In IARC published Monograph No. 44, entitled, "Alcohol Drinking", the carcinogenicity of ethanol was determined based on chronic exposure to ethanol through human consumption of alcoholic beverages. This is not an expected effect during the foreseeable use of this product.

### OTHER HEALTH HAZARD INFORMATION:

Note: This product contains ethanol. In IARC published Monograph No. 44, entitled, "Alcohol Drinking", the carcinogenicity of ethanol was determined based on chronic exposure to ethanol through human consumption of alcoholic beverages. This is not an expected effect during the foreseeable use of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: medical conditions, if any, known to be aggravated by exposure to this product are indicated in the appropriate portions of the Health Hazard Data section of this data sheet.

CARCINOGENS: components of this product, if any, known to cause, or suspected of causing, cancer as determined by OHSA, IARC, OR NTP are described in the Health Hazard Data section of this data sheet in accord with the OHSA Hazard Communications Standard, 29 CFR 1910.1200

### SECTION CHANGE DATES

PRECAUT. INFO. SECTION CHANGED SINCE OCTOBER 17, 2000 ISSUE

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

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user sknowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

	t dia
	·