

# 2  
Ready-to-Use

3M General Offices

3M Center  
St. Paul, MN 55144-1000  
1-800-364-3577 or (651) 737-6501 (24 hours)

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MATERIAL SAFETY  
DATA SHEET

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DIVISION: COMMERCIAL CARE DIVISION

TRADE NAME:  
3M Brand HEAVY DUTY MULTI-SURFACE CLEANER Ready-to-Use .....  
(Product No. 2, Twist 'n Fill (tm) System)ISSUED: MAY 30, 2000  
SUPERSEDES: JULY 28, 1999  
DOCUMENT: 06-2120-1

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER .....	7732-18-5	> 90
1-METHOXY-2-PROPANOL .....	107-98-2	1 5
ETHANOLAMINE .....	141-43-5	1 5

NOTE: 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:..... ca. 200 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY:..... N/D  
EVAPORATION RATE:..... ca. 1 Water = 1  
SOLUBILITY IN WATER:..... complete  
SP. GRAVITY:..... ca. 1 Water = 1  
PERCENT VOLATILE:..... > 95 %  
pH:..... ca. 10  
VISCOSITY:..... < 100 CPS  
MELTING POINT:..... N/A  
APPEARANCE AND ODOR: Liquid, colorless to light amber color; fresh scent

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... ca. 160 F T.C.C.  
FLAMMABLE LIMITS - LEL:..... N/D  
FLAMMABLE LIMITS - UEL:..... N/D  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Water spray, Carbon dioxide, Dry chemical, Foam, Alcohol-type foam  
SPECIAL FIRE FIGHTING PROCEDURES:  
Wear full protective clothing, including helmet, self-contained,  
positive pressure or pressure demand breathing apparatus, bunker coat  
and pants, bands around arms, waist and legs, face mask, and  
protective covering for exposed areas of the head.

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## 3. FIRE AND EXPLOSION HAZARD DATA (continued)

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

No unusual fire or explosion hazards are anticipated. See Hazardous  
Decomposition section for products of combustion.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 2 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IIIA Combustible Liquid

## 4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

None known.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, 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:

Discharge spent solutions and small quantities (less than 5 gal.(19  
L)) to a wastewater treatment system. Incinerate large quantities in  
an industrial or commercial incinerator.

## ENVIRONMENTAL DATA:

A Product Environmental Data Sheet (PED) is available.

See MSDS for product concentrate.

## REGULATORY INFORMATION:

Volatile Organic Compounds: < 10 %  
VOC Less H<sub>2</sub>O & Exempt Solvents: < 10 %.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: Yes 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.

## SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get

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6. SUGGESTED FIRST AID (continued)

medical attention.

INHALATION:

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

IF SWALLOWED:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Avoid eye contact with vapor, spray, or mist.

SKIN PROTECTION:

Avoid skin contact.

VENTILATION PROTECTION:

Use in a well-ventilated area. Use with adequate dilution ventilation.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Store away from heat. Keep container in well-ventilated area.

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: 2 REACTIVITY: 0  
PERSONAL PROTECTION: X (See precautions, section 7.)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
WATER	NONE	NONE	NONE	NONE	
1-METHOXY-2-PROPANOL	100	ppm	TWA	ACGIH	

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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
1-METHOXY-2-PROPANOL	150	ppm	STEL	ACGIH	
1-METHOXY-2-PROPANOL	100	ppm	TWA	OSHA	
1-METHOXY-2-PROPANOL	150	ppm	STEL	OSHA	
ETHANOLAMINE	3	ppm	TWA	ACGIH	
ETHANOLAMINE	6	ppm	STEL	ACGIH	
ETHANOLAMINE	3	ppm	TWA	OSHA	
ETHANOLAMINE	6	ppm	STEL	OSHA	
ETHANOLAMINE	6	mg/m3	TWA	OSHA	

\* 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:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 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.

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

INHALATION:

Single overexposure, above recommended guidelines, may cause:

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

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**8. HEALTH HAZARD DATA (continued)**

vomitus, and blood in feces.

Aspiration Pneumonitis: signs/symptoms can include coughing,  
difficulty breathing, wheezing, coughing up blood and pneumonia,  
which can be fatal.**SECTION CHANGE DATES**

HEADING	SECTION CHANGED SINCE JULY 28, 1999 ISSUE

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