

MATERIAL SAFETY  
DATA SHEET



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DIVISION: HOME AND COMMERCIAL CARE DIVISION  
TRADE NAME:

3M Brand KITCHEN FLOOR DEGREASER Ready-to-Use .....  
(Product No. 34, Twist 'n Fill (tm) System)

ISSUED: MARCH 3, 1997  
SUPERSEDES: DECEMBER 16, 1996  
DOCUMENT: 06-6939-0

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER .....	7732-18-5	> 95
ETHANOLAMINE .....	141-43-5	0.1 - 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:..... ca. 212 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: ..... ca. 99 %  
 pH: ..... 10.5-11.0  
 VISCOSITY: ..... < 100 CPS  
 MELTING POINT..... N/A  
 APPEARANCE AND ODOR: Liquid, colorless to light yellow color; mild fragrance

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... > 212 F T.C.C.  
 FLAMMABLE LIMITS - LEL: ..... N/D  
 FLAMMABLE LIMITS - UEL: ..... N/D  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 Water, Carbon dioxide, Dry chemical, Foam  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 Not applicable  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 No unusual fire or explosion hazards are anticipated.  
 NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0  
 UNUSUAL REACTION HAZARD: none  
 OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

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**4. REACTIVITY DATA**

STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
Not applicable.  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide and Carbon Dioxide.

**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.

**ENVIRONMENTAL DATA:**

A Product Environmental Data Sheet (PED) is available.

See MSDS for product concentrate.

**REGULATORY INFORMATION:**

Volatile Organic Compounds: < 1 %.  
VOC Less H2O & Exempt Solvents: < 1 %.

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.

**SKIN CONTACT:**

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

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6. SUGGESTED FIRST AID (continued)

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 prolonged or repeated 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:

Do not ingest.

RECOMMENDED STORAGE:

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

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

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

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
WATER .....	NONE	NONE	NONE NONE	
ETHANOLAMINE .....	3	ppm	TWA ACGIH	
ETHANOLAMINE .....	6	ppm	STEL ACGIH	
ETHANOLAMINE .....	3	ppm	TWA OSHA	
ETHANOLAMINE .....	6	ppm	STEL 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.

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**7. PRECAUTIONARY INFORMATION (CONTINUED)**

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- 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 similiar 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:

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	DECEMBER 16, 1996 ISSUE
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SECTION CHANGE DATES

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

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