



MATERIAL SAFETY DATA SHEET 3M
 3M Center
 St. Paul, Minnesota
 55144-1000
 1-800-364-3577 or (651) 737-6501 (24 hours)

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:

3M Brand GENERAL PURPOSE CLEANER CONCENTRATE (Product No. 8, Twist 'n
 Fill (tm) System)

ID NUMBER/U.P.C.:

70-0705-4322-1	00-48011-19211-1	70-0705-4323-9	00-48011-19212-8
70-0707-1418-6	00-48011-23006-6	70-0707-1419-4	00-48011-23007-3
70-0708-3998-3	00-48011-19211-1	70-0708-4008-0	00-48011-19212-8
70-0710-0967-7	00-48011-23908-3	70-0710-0968-5	00-48011-23891-8

ISSUED: April 10, 2001

SUPERSEDES: September 21, 2000

DOCUMENT: 06-2098-9

1. INGREDIENT	C.A.S. NO.	PERCENT	
WATER.....	7732-18-5	40	- 70
HYDROXYALKYL AMINE OXIDES.....	68478-65-9	15	- 40
ISOPROPYL ALCOHOL.....	67-63-0	5	- 10
2-ETHYL-HEXYLOXYETHANOL.....	1559-35-9	5	- 10

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.

This product contains the following toxic chemical or chemicals subject to
 the reporting requirements of Section 313 of Title III of the Emergency
 Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:
 2-ETHYL-HEXYLOXYETHANOL

2. PHYSICAL DATA

BOILING POINT:..... ca. 200 F
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... 2.1 Air=1
 (Isopropyl alcohol)
 EVAPORATION RATE:..... ca. 1 Water=1
 SOLUBILITY IN WATER:..... complete
 SPECIFIC GRAVITY:..... ca. 1.0 Water=1
 PERCENT VOLATILE:..... ca. 75 %

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

MSDS: 3M Brand GENERAL PURPOSE CLEANER CONCENTRATE (Product No. 8, Twist 'n
 Fill (tm) System)
 April 10, 2001

PAGE 2

2. PHYSICAL DATA (continued)

pH:..... ca. 8
 VISCOSITY:..... < 100 centipoise
 MELTING POINT:..... N/D

APPEARANCE AND ODOR:

Liquid, red color; citrus fragrance

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... ca. 102 F
 FLAMMABLE LIMITS - LEL:..... N/D
 FLAMMABLE LIMITS - UEL:..... N/D
 AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Water, Carbon dioxide, Dry powder, 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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

NFPA HAZARD CODES: HEALTH: 2 FIRE: 2 REACTIVITY: 0
 UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
 Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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



MSDS: 3M Brand GENERAL PURPOSE CLEANER CONCENTRATE (Product No. 8, Twist 'n Fill (tm) System)
April 10, 2001

PAGE 3

4. REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Irritant Vapors or Gases.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Extinguish all ignition sources. Contain spill. Evacuate unprotected personnel from hazard area. Cover with absorbent material. Collect using non-sparking tools. Clean up residue with water. Place in an approved metal container. Seal the container.

RECOMMENDED DISPOSAL:

Dispose of waste product in a hazardous waste facility. Disposal alternative: Incinerate in a permitted hazardous waste incinerator.

ENVIRONMENTAL DATA:

A Product Environmental Data Sheet (PED) is available.

The use of this product is expected to have no significant environmental impact. All components will eventually degrade in the environment.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 15 %
VOC Less H2O & Exempt Solvents: ca. 15 %

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

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

EPCRA HAZARD CLASS:

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

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

MSDS: 3M Brand GENERAL PURPOSE CLEANER CONCENTRATE (Product No. 8, Twist 'n Fill (tm) System)
April 10, 2001

PAGE 4

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 wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

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:

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. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls.

RECOMMENDED VENTILATION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required. Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Use in a well-ventilated area. 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

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