

3M General Offices

3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

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02-15
3419

**MATERIAL SAFETY
DATA SHEET****3M****DIVISION: BUILDING SERVICE & CLEANING PRODUCTS****TRADE NAME:**

3M Brand Carpet Protector Concentrate
3M I.D. NUMBER: 61-5000-0262-3

ISSUED: APRIL 2, 1991**SUPERSEDES: JUNE 29, 1989****DOCUMENT: 10-2825-7**

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER	7732-18-5	62.0 - 72.0
2-BUTOXYETHANOL	111-76-2	17.0 - 19.0
Fluoroaliphatic acid salt (N.J. trade secret registry 04499600- 5002P)	TradeSecret	5.0 - 8.0
ISOPROPYL ALCOHOL	67-63-0	3.0 - 5.0

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

2-BUTOXYETHANOL

2. PHYSICAL DATA

BOILING POINT:..... 190.00 F
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... complete
SP. GRAVITY:..... 1.020 Water = 1
PERCENT VOLATILE:..... ca. 90.00 %
VOLATILE ORGANICS:..... ca. 231 gms/liter
VOC LESS H2O & EXEMPT SOLVENT N/D
pH:..... 8.70
VISCOSITY:..... N/D
MELTING POINT..... N/D
APPEARANCE AND ODOR: liquid, clear, mild odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 130.00 F T.C.C.
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Carbon dioxide, foam, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES:
N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:
N/A
NFPA-HAZARD-CODES: HEALTH 1 FIRE 2 REACTIVITY 0
UNUSUAL REACTION HAZARD: none

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

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4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Protect from freezing. Store above 50 F (49 C).

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, carbon dioxide

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Extinguish all ignition sources. Cover with absorbent material. Collect spilled material. Place in a U.S. Dept. of Transportation approved metal container, and seal. Clean up residue with water.

RECOMMENDED DISPOSAL:

Discharge spent treatment solutions and small product quantities (< 5 gal.) into wastewater treatment system. Disposal alternative, incinerate after mixing with flammable material in a permitted hazardous waste facility. Empty container may be sanitary landfilled. Since regulations vary, consult applicable regulations or authorities before disposal.

ENVIRONMENTAL DATA:

Chemical Oxygen Demand (COD): 0.53 g/g. 5-Day Biochemical Oxygen Demand (BOD5): 0.32 g/g. 14-Day Biochemical Demand (BOD20): 0.39 g/g. 96-Hour LC50, Fathead minnow (Pimephales promelas): between 500 ml and 1000 ml/l.
SCAQMD Rule 443 and 443.1 - Non-photochemically reactive solvent; VOC - 245 g/l; VOC (less water and exempt) = 225 g/l.

REGULATORY INFORMATION:

U.S. EPA Hazardous Waste No.: D001 (Ignitable).

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water. Continue for 10 minutes holding eyelids open. Call a physician.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

Remove person to fresh air.

IF SWALLOWED:

Call a physician.

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7. PRECAUTIONARY INFORMATION**OTHER PRECAUTIONARY INFORMATION:**

Keep product away from heat, sparks and flames. Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor build up. Prevent eye contact. Avoid prolonged breathing of vapors and prolonged or repeated skin contact. Keep container closed when not in use. Keep out of reach of children.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
WATER	NONE	NONE	NONE	NONE	
2-BUTOXYETHANOL	25	ppm	TWA	ACGIH	Y
2-BUTOXYETHANOL	121	mg/m3	TWA	ACGIH	Y
2-BUTOXYETHANOL	25	ppm	TWA	OSHA	Y
2-BUTOXYETHANOL	120	mg/m3	TWA	OSHA	Y
Fluoroaliphatic acid salt (N.J. trade secret registry 04499600- 5002P)	NONE	NONE	NONE	NONE	
ISOPROPYL ALCOHOL	400	ppm	TWA	ACGIH	Y
ISOPROPYL ALCOHOL	985	mg/m3	TWA	ACGIH	Y
ISOPROPYL ALCOHOL	500	ppm	STEL	ACGIH	Y
ISOPROPYL ALCOHOL	1230	mg/m3	STEL	ACGIH	Y
ISOPROPYL ALCOHOL	400	ppm	TWA	OSHA	Y
ISOPROPYL ALCOHOL	980	mg/m3	TWA	OSHA	Y
ISOPROPYL ALCOHOL	500	ppm	STEL	OSHA	Y
ISOPROPYL ALCOHOL	1225	mg/m3	STEL	OSHA	Y

* **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:**

Liquid concentrate was moderately irritating to the eyes of laboratory animals. Direct contact may produce corneal opacity. The diluted concentrate did not show corneal opacity.

SKIN CONTACT:

Liquid concentrate was found to be non-irritating and non-sensitizing to the skin of laboratory animals. 2-Butoxyethanol may be absorbed through the skin and may cause blood changes based on animal studies.

INHALATION:

Acute inhalation studies conducted with laboratory

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8. HEALTH HAZARD DATA (continued)

animals indicated the spray to be non-toxic via inhalation.

IF SWALLOWED:

Liquid concentrate was found to be slightly to moderately toxic to laboratory animals. The diluted concentrate was found to be practically non-toxic orally. 2-Butoxyethanol may cause blood changes based on animal studies.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	JUNE 29, 1989 ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	JUNE 29, 1989 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	JUNE 29, 1989 ISSUE

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.