

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

00-10
 2196

MATERIAL SAFETY
 DATA SHEET



DIVISION: Building Service & Cleaning Products
 TRADE NAME:
 CompuBlend II Glass Cleaner Concentrate 1:4
 3M I.D. NUMBER: - - - -

ISSUED: OCTOBER 25, 1990
 SUPERSEDES: MAY 4, 1990
 DOCUMENT: 11-3787-6

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
Water	7732-18-5	75.0 - 85.0	NONE	NONE	NONE	NONE
1-Methoxy-2-propanol	107-98-2	13.0 - 15.0	100	ppm	TWA	ACGIH
2-Butoxyethanol	111-76-2	8.0 - 12.0	25	ppm	TWA	ACGIH
Ethanolamine	141-43-5	< 0.5	3	ppm	TWA	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - NONE: None Established

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:..... ca. 212.00 F
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... N/D
 EVAPORATION RATE:..... N/D
 SOLUBILITY IN WATER:..... complete
 SP. GRAVITY:..... ca. 0.900 Water = 1
 PERCENT VOLATILE:..... ca. 98.00 %
 VOLATILE ORGANICS:..... ca. 235.00 gm/l
 pH:..... ca. 10.70
 VISCOSITY:..... N/D
 APPEARANCE AND ODOR: Clear dark blue, liquid

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 150.00 F T.C.C.
 FLAMMABLE LIMITS - LEL:..... N/D
 FLAMMABLE LIMITS - UEL:..... N/D
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 Water, carbon dioxide, foam, dry chemical
 SPECIAL FIRE FIGHTING PROCEDURES:
 None
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None
 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:
N/A
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, carbon dioxide, smoke particles.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Extinguish all ignition sources. Flush small spills to a wastewater treatment system. For bulk quantity spills, collect spilled material using absorbent material as necessary and flush residue to a wastewater treatment system. Clean up residue with water.

RECOMMENDED DISPOSAL:

Flush spent product and product solutions to a wastewater treatment system with excess water. Reduce discharge rate if foaming occurs. Mix bulk product with flammable material and incinerate in a permitted hazardous waste facility. Empty container may be sanitary landfilled. Since regulations vary, consult applicable regulations or authorities before disposal.

ENVIRONMENTAL DATA:

N/D

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. If irritation persists, call a physician.

SKIN CONTACT:

Flush skin with plenty of water. If irritation persists, call a physician.

INHALATION:

Remove to fresh air. If irritation persists, call a physician.

IF SWALLOWED:

Call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

OTHER FIRST AID:

NONE

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7. PRECAUTIONARY INFORMATION

Keep away from heat and flames. Provide ventilation adequate to control vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged breathing of vapor. Wash thoroughly after handling. Keep container closed when not in use. Keep out of reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
1-Methoxy-2-propanol	369	mg/m3	TWA	ACGIH
1-Methoxy-2-propanol	150	ppm	STEL	ACGIH
1-Methoxy-2-propanol	553	mg/m3	STEL	ACGIH
1-Methoxy-2-propanol	100	ppm	TWA	OSHA
1-Methoxy-2-propanol	360	mg/m3	TWA	OSHA
1-Methoxy-2-propanol	150	ppm	STEL	OSHA
1-Methoxy-2-propanol	540	mg/m3	STEL	OSHA
2-Butoxyethanol	121	mg/m3	TWA	ACGIH
2-Butoxyethanol	25	ppm	TWA	OSHA
2-Butoxyethanol	120	mg/m3	TWA	OSHA
Ethanolamine	7.5	mg/m3	TWA	ACGIH
Ethanolamine	6	ppm	STEL	ACGIH
Ethanolamine	15	mg/m3	STEL	ACGIH
Ethanolamine	3	ppm	TWA	OSHA
Ethanolamine	8	mg/m3	TWA	OSHA
Ethanolamine	6	ppm	STEL	OSHA
Ethanolamine	15	mg/m3	STEL	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

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

8. HEALTH HAZARD DATA

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: Liquid may be irritating to the skin upon prolonged or repeated contact. 2-Butoxyethanol may be absorbed through the skin and may cause blood changes based on animal studies.

INHALATION: Overexposure to vapor may cause respiratory tract irritation and central nervous system depression.

INGESTION: May cause digestive tract irritation. Ingestion of large quantities may cause liver and kidney damage along with blood changes.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	MAY 4, 1990	ISSUE
PHYSICAL DATA	SECTION CHANGED SINCE	MAY 4, 1990	ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	MAY 4, 1990	ISSUE

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SECTION CHANGE DATES		(continued)	
ENVIRON. DATA	SECTION CHANGED SINCE	MAY 4, 1990	ISSUE
FIRST AID	SECTION CHANGED SINCE	MAY 4, 1990	ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	MAY 4, 1990	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	MAY 4, 1990	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.