

MAY 24 1995

**MATERIAL SAFETY
DATA SHEET**



DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:
COMPUBLEND(tm) II BASE R

3M ID NUMBER/U.P.C.: 61-5000-7967-0 00-48011-15539-5 61-5000-7977-9 00-48011-15547-0

ISSUED: APRIL 28, 1995
SUPERSEDES: APRIL 10, 1995
DOCUMENT: 11-2037-7

1. INGREDIENT	C.A.S. NO.	PERCENT		
1-METHOXY-2-PROPANOL	107-98-2	40	-	70
2-BUTOXYETHANOL	111-76-2	30	-	60
2-METHOXY-1-PROPANOL	1589-47-5	1	-	5
WATER	7732-18-5	0.1	-	1.0

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.

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-BUTOXYETHANOL

2. PHYSICAL DATA

BOILING POINT:..... ca. 190 F
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... complete
SP. GRAVITY:..... ca. 0.9 Water = 1
PERCENT VOLATILE:..... ca. 100 %
VOLATILE ORGANICS:..... ca. 890 gms/liter SCAQMD
Rule 443.1, calculated
VOC LESS H2O & EXEMPT SOLVENT ca. 890 gms/liter SCAQMD
Rule 443.1, calculated
pH:..... ca. 5.3
VISCOSITY:..... < 100 CPS
MELTING POINT:..... N/A
APPEARANCE AND ODOR: Liquid, clear blue color, fruity solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 102 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:
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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

protective covering for exposed areas of the head.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
No unusual fire or explosion hazards are anticipated.
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 TO AVOID:
Not applicable.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide.

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. In the U.S.A., call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. 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:

Incinerate in a permitted hazardous waste incinerator.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

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 chemicals used in the manufacture of this material are listed on the US TSCA inventory.

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

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6. SUGGESTED FIRST AID (continued)

medical attention.

SKIN CONTACT:
 Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:
 Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

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. Wear vented goggles.

SKIN PROTECTION:
 Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber.

VENTILATION PROTECTION:
 Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:
 Avoid breathing of vapors.

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:
 Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
1-METHOXY-2-PROPANOL	100	ppm	TWA	ACGIH	
1-METHOXY-2-PROPANOL	150	ppm	STEL	ACGIH	

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

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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
1-METHOXY-2-PROPANOL	100	ppm	TWA	OSHA	
1-METHOXY-2-PROPANOL	150	ppm	STEL	OSHA	
2-BUTOXYETHANOL	25	ppm	TWA	ACGIH	Y
2-BUTOXYETHANOL	25	ppm	TWA	OSHA	Y
2-METHOXY-1-PROPANOL	NONE	NONE	NONE	NONE	
WATER	NONE	NONE	NONE	NONE	

* 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
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA**EYE CONTACT:**

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Moderate Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, itching, and dryness.

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:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

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8. HEALTH HAZARD DATA (continued)

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

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 vomitus, and blood in feces.

OTHER HEALTH HAZARD INFORMATION:

HMIS: HEALTH=1 /FLAMMABILITY=2 /REACTIVITY=0 /PERSONAL PROTECTION=B

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE

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

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.