

MAY 24 1995

MATERIAL SAFETY
DATA SHEET**3M**

DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:

COMPUBLEND(tm) II BASE T

3M ID NUMBER/U.P.C.: 61-5000-6958-0 00-48011-14707-9 61-5000-7979-5 00-48011-15549-4

ISSUED: APRIL 28, 1995

SUPERSEDES: APRIL 10, 1995

DOCUMENT: 11-3757-9

1. INGREDIENT	C.A.S. NO.	PERCENT		
2-BUTOXYETHANOL	111-76-2	60	-	90
ETHANOLAMINE	141-43-5	10	-	30
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:.....	340 F
VAPOR PRESSURE:.....	ca. 0.38 Torr
VAPOR DENSITY:	ca. 4 Air = 1
EVAPORATION RATE:.....	N/D
SOLUBILITY IN WATER:	complete
SP. GRAVITY:.....	ca. 0.9 Water = 1
PERCENT VOLATILE:	ca. 100 %
VOLATILE ORGANICS:	ca. 910 gms/liter SCAQMD Rule 443.1, calculated
VOC LESS H2O & EXEMPT SOLVENT	ca. 910 gms/liter SCAQMD Rule 443.1, calculated
pH:	N/A (50% solution: pH approx. 12)
VISCOSITY:	< 100 CPS
MELTING POINT.....	N/A
APPEARANCE AND ODOR: Liquid,	clear, dark blue-green color, mild solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:.....	160 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 3 FIRE 2 REACTIVITY 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

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

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Observe precautions from other sections. Ventilate area. Extinguish all ignition sources. Contain spill. Cover with inorganic absorbent material. Collect spilled material. Clean up residue with water. Place in a polyethylene-lined metal container. Seal the container.

RECOMMENDED DISPOSAL:

Discharge neutralized waste product to a wastewater treatment system. Reduce discharge rate if foaming occurs. Dispose of empty cans in a sanitary landfill. Disposal alternative: Incinerate in an industrial or commercial facility.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

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 for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Immediately flush skin with large amounts of water. Remove

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6. SUGGESTED FIRST AID (continued)

contaminated clothing. If irritation persists, call a physician. Wash contaminated clothing before reuse.

INHALATION:

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

IF SWALLOWED:

If swallowed, do NOT induce vomiting. Give victim two glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

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:

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	VALUE	UNIT	TYPE AUTH	SKIN*
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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
2-BUTOXYETHANOL	25	ppm	TWA	ACGIH	Y
2-BUTOXYETHANOL	25	ppm	TWA	OSHA	Y
ETHANOLAMINE	3	ppm	TWA	ACGIH	
ETHANOLAMINE	6	ppm	STEL	ACGIH	
ETHANOLAMINE	3	ppm	TWA	OSHA	
ETHANOLAMINE	6	ppm	STEL	OSHA	
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:**

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

SKIN CONTACT:

Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

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:

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8. HEALTH HAZARD DATA (continued)

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

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:

Damage to Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomitus, blood in feces, and ulceration.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

OTHER HEALTH HAZARD INFORMATION:

HMIS: HEALTH=3 /FLAMMABILITY=2 /REACTIVITY=0 /PERSONAL PROTECTION=D

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE
FIRST AID	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	APRIL 10, 1995	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	APRIL 10, 1995	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.