

MAY 24 1995

MATERIAL SAFETY
DATA SHEET



DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:

COMPUBLEND(™) II BASE V

3M I.D. NUMBER: 61-5000-6960-6 61-5000-7976-1

ISSUED: FEBRUARY 15, 1994

SUPERSEDES: FEBRUARY 15, 1993

DOCUMENT: 11-3759-5

1. INGREDIENT	C.A.S. NO.	PERCENT		
WATER	7732-18-5	60	-	70
ALKYL (C-14 50%, C-12 40%, C-16 10%)				
DIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1			8.7
NONYLPHOXYPOLY(OXYETHYLENE)				
ETHANOL	9016-45-9	3	-	7
OCTYLDECYLDIMETHYLAMMONIUM CHLORIDE	32426-11-2			6.5
ETHYLENEDIAMINETETRAACETIC ACID				
TETRASODIUM SALT	64-02-8	1	-	5
ETHYL ALCOHOL	64-17-5	1	-	5
DIDECYLDIMETHYLAMMONIUM CHLORIDE	7173-51-5			3.9
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	5538-94-3			2.6
SODIUM METASILICATE	6834-92-0	1	-	5

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.

2. PHYSICAL DATA

BOILING POINT:	212 F
VAPOR PRESSURE:	N/D
VAPOR DENSITY:	N/D
EVAPORATION RATE:	N/D
SOLUBILITY IN WATER:	complete
SP. GRAVITY:	ca. 1.0 Water = 1
PERCENT VOLATILE:	65-70 %
VOLATILE ORGANICS:	ca. 40 gms/liter SAQMD Rule 443.1, calculated
VOC LESS H2O & EXEMPT SOLVENT	ca. 40 gms/liter SAQMD Rule 443.1, calculated
pH:	ca. 12.6
VISCOSITY:	< 100 CPS
MELTING POINT:	N/A
APPEARANCE AND ODOR:	Liquid, clear, colorless to light amber color, musty odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	133 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
SPECIAL FIRE FIGHTING PROCEDURES:	Use fresh air respirator.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Stay out of smoke.

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

NFPA-HAZARD-CODES: HEALTH 2 FIRE 2 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Highly alkaline material. Avoid mixing with strongly acidic materials. Rapid heating and spattering of mixture may result.
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. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Extinguish all ignition sources. Collect spilled material. Clean up residue with water.

RECOMMENDED DISPOSAL:

Flush spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Reduce discharge rate if foaming occurs. Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material.

Empty container may be triple-rinsed with water and sanitary landfilled.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable). U.S. EPA Hazardous Waste Number = D002 (Corrosive).

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

SARA 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 for at least 15

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

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6. SUGGESTED FIRST AID (continued)

minutes in a chemical safety shower while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

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.

OTHER FIRST AID:

Measures against circulatory shock, respiratory depression, and convulsion may be needed.

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 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.

VENTILATION PROTECTION:

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

RESPIRATORY PROTECTION:

Avoid prolonged breathing of spray or mists..

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Avoid contamination of food.

RECOMMENDED STORAGE:

Store away from areas where product may come into contact with food or pharmaceuticals. Do not store containers on their sides. 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

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7. PRECAUTIONARY INFORMATION (continued)

flame, and other sources of ignition. Combustible liquid and vapor.

OTHER PRECAUTIONARY INFORMATION:
 Avoid creasing or impacting side walls.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
WATER	NONE	NONE	NONE	NONE	
ALKYL (C-14 50%, C-12 40%, C-16 10%)					
DIMETHYL BENZYL AMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
NONYLPHENOXYPOLY(OXYETHYLENE)					
ETHANOL	NONE	NONE	NONE	NONE	
OCTYLDECYLDIMETHYLAMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
ETHYLENEDIAMINETETRAACETIC ACID					
TETRASODIUM SALT	NONE	NONE	NONE	NONE	
ETHYL ALCOHOL	1000	ppm	TWA	ACGIH	
ETHYL ALCOHOL	1000	ppm	TWA	OSHA	
DIDECYLDIMETHYLAMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
SODIUM METASILICATE	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
- 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:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

Harmful or fatal if swallowed.

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8. HEALTH HAZARD DATA (continued)

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.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	FEBRUARY 15, 1993 ISSUE
INGREDIENTS	SECTION CHANGED SINCE	FEBRUARY 15, 1993 ISSUE
PHYSICAL DATA	SECTION CHANGED SINCE	FEBRUARY 15, 1993 ISSUE
ENVIRON. DATA	SECTION CHANGED SINCE	FEBRUARY 15, 1993 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.