

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

02-57
6029

MAY 24 1995

MATERIAL SAFETY
DATA SHEET



DIVISION: HOME AND COMMERCIAL CARE DIVISION
TRADE NAME:
COMPUBLEND(tm) II BASE X

3M I.D. NUMBER: 61-5000-6962-2

ISSUED: FEBRUARY 15, 1994
SUPERSEDES: MAY 18, 1993
DOCUMENT: 11-3761-1

1. INGREDIENT	C.A.S. NO.	PERCENT
POLYALKOXY ALCOHOLS	69013-18-9	60 - 90
WATER	7732-18-5	1 - 5
DIALKYLDIMETHYL AMMONIUM CHLORIDE	68424-95-3	1 - 5
ALKYLDIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1	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: ca. 5 %
VOLATILE ORGANICS: ca. 15 gms/liter SAQMD
Rule 443.1, calculated
VOC LESS H2O & EXEMPT SOLVENT ca. 15 gms/liter SAQMD
Rule 443.1, calculated
pH: ca. 6.9
VISCOSITY: < 200 CPS
MELTING POINT..... N/A
APPEARANCE AND ODOR: Liquid, clear dark blue color, mild odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A
FLAMMABLE LIMITS - LEL: N/A
FLAMMABLE LIMITS - UEL: N/A
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Water spray, 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 protective covering for exposed areas of the head.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Not applicable.
NFPA-HAZARD-CODES: HEALTH 3 FIRE 0 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:

Strong Oxidizing Agents

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide Hydrogen Chloride Ammonia

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. 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 containers may be sanitary landfilled.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

Since regulations vary, consult applicable regulations or authorities before disposal.

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

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

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

INHALATION:

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

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6. SUGGESTED FIRST AID (continued)

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 skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, neoprene.

VENTILATION PROTECTION:
Use in a well-ventilated area. Use with adequate dilution ventilation.

RESPIRATORY PROTECTION:
Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half-mask organic vapor respirator with dust/mist prefilter.

PREVENTION OF ACCIDENTAL INGESTION:
Wash hands after handling and before eating.

RECOMMENDED STORAGE:
Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:
Keep container tightly closed.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
POLYALKOXY ALCOHOLS	NONE	NONE	NONE	NONE	
WATER	NONE	NONE	NONE	NONE	
DIALKYL DIMETHYL AMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	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.

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7. PRECAUTIONARY INFORMATION (CONTINUED)

SOURCE OF EXPOSURE LIMIT DATA:
- 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:

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

Studies in rabbits involving the substantially occluded contact of undiluted nonionic surfactants of similar properties with skin indicate that such conditions may result in the development of inflammatory changes in the lungs.

INHALATION:

Prolonged or repeated exposure may cause:

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

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

Pulmonary Edema: signs/symptoms can include coughing, congestion, difficulty breathing, which can result in respiratory failure and death.

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.

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SECTION CHANGE DATES

ENVIRON. DATA SECTION CHANGED SINCE MAY 18, 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.