

MATERIAL SAFETY DATA SHEET
U.S. Department of Labor
Occupational Safety & Health Administration

POLASEAL EFM

SECTION 1 - IDENTIFIERS

MANUFACTURER: Andek Corporation
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 TELEPHONE: 1-856-786-6900
 In an emergency, contact CHEMTREC 1-800- 424-9300;
 Outside the United States call +1-703-527-3887
 TRADE NAME: Polaseal EFM
 CHEMICAL FAMILY: Water-Based Siloxane Emulsion

SECTION 2 – HAZARD IDENTIFICATION & EMERGENCY OVERVIEW

Emergency Overview: Not considered to be hazardous. Some individuals may find the odor to be unpleasant.

Effects of Overexposure:

SKIN: Mild skin irritant.

EYES: Very irritating to the eyes.

BREATHING: Mists may cause irritation to the upper respiratory tract.

SWALLOWING: Harmful if swallowed.

SECTION 3 - COMPOSITION

COMPONENT	CAS #	APPROX %	TLV
PolyDimethyl Siloxane w/Amino Functional Groups	9043-30-5	10.0	
Fungicide: MgNO ₂	10377-60-3	0.3	
CuNO ₂	3251-23-8		
MgCL ₂	10034-81-8		
Nochar N.F.P.	Trade secret	9.3	
Water	7732-18-5	80.0	
Ammonium Hydroxide	7664-41-7	0.4	

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

SECTION 4 – FIRST AID MEASURES

SKIN: Wash area with soap and water.

EYES: Flush eyes with clear water for 15 minutes and seek immediate medical attention.

BREATHING: Move victim to fresh air and apply appropriate first aid.

SWALLOWING: Do NOT induce vomiting. Immediately contact a physician. Dilute contents of stomach with 3-4 glasses of milk or water.

SECTION 5 – FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 200°F (Seta).

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Dry chemical; carbon dioxide; foam; water.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear positive pressure self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

DECOMPOSITION PRODUCTS: Thermal decomposition yields oxides of C, N, Ca, Si, Ba and Halides.

SECTION 6 – SPILL OR LEAK PROCEDURES

Ventilate area, absorb with absorbent material. Place in approved waste disposal container.

SECTION 7 – HANDLING & STORAGE

Keep container tightly closed when not in use. Protect from freezing.

SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS

RESPIRATORY PROTECTION (SPECIFY TYPE): If ventilation is inadequate, use a respirator with dust/mist/fume cartridges.

EYE PROTECTION: Splash-proof chemical goggles.

SKIN PROTECTION: Rubber gloves.

OTHER PROTECTIVE EQUIPMENT: Coveralls.

PERSONAL HYGIENE: Wash thoroughly after use.

SECTION 9 - PHYSICAL DATA

BOILING POINT (F)	218°	SPECIFIC GRAVITY (H ₂ O=1)	1.0
VAPOR PRESSURE	20	PERCENT, VOLATILE BY VOLUME	80.4
VAPOR DENSITY (AIR=1)	1	EVAPORATION RATE (N.B.A.=1)	1
SOLUBILITY IN WATER	Soluble	pH	Approx. 7.5

APPEARANCE & ODOR - Opaque milky liquid with mildly ammoniacal odor.

SECTION 10 – REACTIVITY DATA

STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Freezing.

SECTION 11 – TOXICOLOGICAL INFORMATION

See reference data for individual components.

SECTION 12 – ECOLOGICAL INFORMATION

See reference data for individual components.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in according to local, state and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

PROPER SHIPPING NAME:	Waterproofing compound
HAZARD CLASS:	None
PACKING GROUP:	N/A
ID #:	N/A
RQ:	N/A

TRANSPORT LABELS REQUIRED: This material is not regulated by the D.O.T.

SECTION 15 – REGULATORY INFORMATION

See reference data for individual components.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

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