

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

## POLASEAL PENETRANT HARDENER

### **SECTION 1 - IDENTIFIERS**

MANUFACTURER: Andek Corporation  
 ADDRESS: 850 Glen Avenue, Moorestown, NJ 08057  
 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 Penetrant Hardener  
 CHEMICAL FAMILY: Potassium Salt of Polymeric Silicate

### **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: Causes skin irritation.

EYES: Causes eye irritation.

BREATHING: Inhalation of mist will cause irritation to the upper respiratory tract.

SWALLOWING: Harmful or fatal if swallowed.

### **SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Water	7732-18-5	84	
Potassium Silicate Polymer	1312-76-1	15	
Alcohol, Isopropyl	67-63-0	1	

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

### **SECTION 4 – FIRST AID MEASURES**

SKIN: Wash with water for 15 minutes.

EYES: Flush with water for 15 minutes and immediately secure medical attention.

BREATHING: Move victim to fresh air.

SWALLOWING: Dilute with milk or water; immediately contact a physician.

### **SECTION 5 – FIRE & EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED): Non-combustible.

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

### **SECTION 6 – SPILL OR LEAK PROCEDURES**

Cover with a layer of sand or absorbent material.

### **SECTION 7 – HANDLING & STORAGE**

Avoid prolonged contact with skin. Do not consume food or beverage while handling. Do not allow to freeze; otherwise material will be unusable and require disposal.

### **SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS**

RESPIRATORY PROTECTION (SPECIFY TYPE): Where spray mist occurs, use NIOSH approved respirator.

EYE PROTECTION: Chemical splash goggles.

SKIN PROTECTION: Neoprene rubber or polyethylene gloves.

OTHER PROTECTIVE EQUIPMENT: Coveralls and/or rubber apron, rubber shoes or boots.

PERSONAL HYGIENE: Wash after applying product.

**SECTION 9 - PHYSICAL DATA**

BOILING POINT (F)	230°	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.2
VAPOR PRESSURE	760	PERCENT, VOLATILE BY VOLUME	85
VAPOR DENSITY (AIR=1)	As Water	EVAPORATION RATE (N.B.A.=1)	<1
SOLUBILITY IN WATER	Soluble	pH	9.5

APPEARANCE & ODOR - Translucent liquid, no odor.

**SECTION 10 - REACTIVITY DATA**

STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids will cause gelling.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

**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 accordance with 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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