

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

## POLAFLOOR PD

### **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: Polafloor PD  
 CHEMICAL FAMILY: Metal Oxide Extended Urethane Prepolymer

### **SECTION 2 – HAZARD IDENTIFICATION & EMERGENCY OVERVIEW**

**Emergency Overview:** Toxic gases may be given off during burning or thermal decomposition. Closed container may forcibly rupture under extreme heat or when contents have been contaminated with water.

**Effects of Overexposure:**

SKIN: May irritate skin.  
 EYES: Contact may cause severe damage.. Vapor may irritate.  
 BREATHING: Inhalation may cause headache, dizziness, nausea and irritation.  
 SWALLOWING: Harmful or fatal if swallowed.

### **SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Lampblack/Titanium Dioxide or Iron Oxide	13463-67-7	17.0	
Naphtha, Light Aromatic Solvent	64742-95-6	30.0	
Polyester Prepolymer Resin Solution	N.O.S. (ITASCA FILE)	43.0	
Acrylic Resin	(ITASCA FILE)	10.0	

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION - None

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

SKIN: Clean thoroughly with pumice-based hand cleaner, followed by soap and water.  
 EYES: Flush with clear water for 15 minutes and seek medical attention immediately.  
 BREATHING: Move victim to fresh air. If asthmatic conditions occur, call a physician.  
 SWALLOWING: Do NOT induce vomiting; seek medical attention immediately.

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

FLASH POINT (METHOD USED): 105°F. Closed Cup (ASTM D50).  
 FLAMMABLE LIMITS: Lel 0.9; Uel 6.0  
 EXTINGUISHING MEDIA: Carbon dioxide; dry chemical; foam.  
 SPECIAL FIRE FIGHTING PROCEDURES: If excessive fumes or smoke is encountered, wear self-contained respiratory equipment and full protective clothing.  
 UNUSUAL FIRE & EXPLOSION HAZARDS: Sealed containers may build up pressure if exposed to heat (fire). Water may be used to cool the exterior of the containers.  
 DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen, iron, and titanium, possible HCN and polyurethane combustion compounds.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
 Cover with a layer of sand or other suitable absorbent. Use protective measures as outlined under Section 8 below. Avoid contact with eyes, skin or clothing.

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

Avoid prolonged or repeated contact with skin. Avoid contact with moisture. Do not use in confined areas without adequate ventilation.

**SECTION 8 - PERSONAL PROTECTION/EXPOSURE CONTROLS**

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined spaces, use fresh air hood or NIOSH certified organic vapor canister unit.

EYE PROTECTION: Safety goggles or face shield.

SKIN PROTECTION: Nitrile rubber gloves.

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

PERSONAL HYGIENE: Wash thoroughly after applying this product.

**SECTION 9 - PHYSICAL DATA**

BOILING POINT (F)	312° F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.05
VAPOR PRESSURE	10	PERCENT, VOLATILE BY VOLUME	30.0
VAPOR DENSITY (AIR=1)	4.8	EVAPORATION RATE (N.B.A.=1)	0.25
SOLUBILITY IN WATER	Insoluble	pH	7

APPEARANCE & ODOR - Gray or red liquid with perfume-like odor.

**SECTION 10 – REACTIVITY DATA**

STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): Water (moisture); alcohols; amines; strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Storage above 100°F and/or wet conditions. Water and high heat cause exotherm and CO<sub>2</sub>.

**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 existing federal, state, and local environmental laws.

**SECTION 14 – TRANSPORT INFORMATION**

PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	3
PACKING GROUP:	3
ID #:	UN 1263
RQ:	None

TRANSPORT LABELS REQUIRED: Flammable liquid. (In the U.S., this material may be re-classified as a combustible liquid and is not regulated in containers less than 119 gallons via surface transportation.)

**SECTION 15 – REGULATOR INFORMATION**

See reference data for individual components.

**SECTION 16 – OTHER INFORMATION (HMIS RATING)**

Health	2
Flammability	2
Physical Hazard	1
Personal Protection	H

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