



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

**POLAPRIME 21**

**SECTION 1 – IDENTIFIER**

MANUFACTURER: Andek Corporation  
ADDRESS: 850 Glen Avenue, Moorestown, NJ 08057  
TELEPHONE: (856) 786-6900 or emergency (800) 424-9300 (CHEMTREC)  
TRADE NAME: Polaprime 21  
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	11.2	
Naptha Light Aromatic Solvent	64742-95-6	42.3	
Polyester Prepolymer Resin Solution N.O.S.	(ITASCA File)	39.9	
Acrylic Resin	(ITASCA File)	6.6	

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

**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

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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 and iron, possible HCN and polyurethane combustion compounds.

## SECTION 6 - SPILL OR LEAK PROCEDURES

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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

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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

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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 material.

## SECTION 9 - PHYSICAL DATA

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<b>BOILING POINT (F)</b>	312°	<b>SPECIFIC GRAVITY (H2O=1)</b>	0.98
<b>VAPOR PRESSURE</b>	10	<b>PERCENT, VOLATILE BY VOLUME</b>	42.3
<b>VAPOR DENSITY (AIR=1)</b>	4.8	<b>EVAPORATION RATE (N.B.A.=1)</b>	0.25
<b>SOLUBILITY IN WATER</b>	Insoluble	<b>pH (5% SLURRY)</b>	7

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

## SECTION 10 - REACTIVITY DATA

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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: Excessive heat and/or wet conditions. Will react with water to produce CO<sup>2</sup> and exotherm.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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See reference data for individual components.

## **SECTION 12 - ECOLOGICAL INFORMATION**

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See reference data for individual components.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with local, state and federal regulations.

## **SECTION 14 - TRANSPORT INFORMATION**

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PROPER SHIPPING NAME: Paint

HAZARD CLASS: 3

PACKING GROUP: III

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 - REGULATORY INFORMATION**

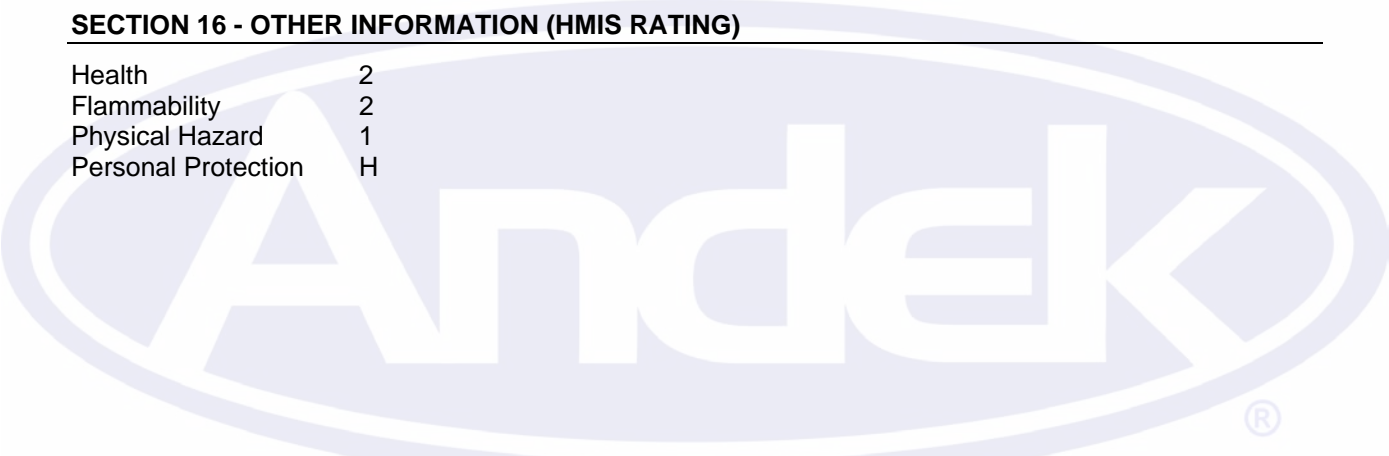
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See reference data for individual components.

## **SECTION 16 - OTHER INFORMATION (HMIS RATING)**

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Health	2
Flammability	2
Physical Hazard	1
Personal Protection	H



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