



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

**POLAJOINT SUPER (PART A)**

**SECTION 1 - IDENTIFIERS**

MANUFACTURER: Andek Corporation  
ADDRESS: 850 Glen Avenue, Moorestown, NJ 08057  
TELEPHONE: (856) 786-6900 or emergency (800) 424-9300 (CHEMTREC)  
TRADE NAME: Polajoint Super Part A  
CHEMICAL FAMILY: 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. Causes skin and eye irritation and/or burns. May cause allergic skin reaction or skin sensitization. May cause respiratory tract irritation, allergic reaction, or sensitization. Causes severe gastrointestinal damage if swallowed.

Effects of Overexposure:

SKIN: Contact may irritate skin.

EYES: Contact may cause severe damage. Vapor may irritate.

BREATHING: Inhalation may cause headache, dizziness, nausea and irritation. May cause respiratory distress.

SWALLOWING: May cause abdominal pain, nausea, vomiting, and diarrhea.

**SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Methylene Bisphenyl Isocyanate	101-68-8	100	

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 plenty of water and seek medical attention immediately.

BREATHING: Remove to fresh air. If asthmatic conditions occur, call a physician.

SWALLOWING: Induce vomiting ONLY if large quantities are ingested; seek medical attention.

## SECTION 5 – FIRE & EXPLOSION HAZARD DATA

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FLASH POINT (METHOD USED): 305°F. Closed Cup (ASTM D50).

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Dry chemical; CO<sub>2</sub>; water-spray; foam.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must be equipped to prevent breathing of vapors or products of combustion - must wear self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Avoid moisture contamination in closed containers.

Reaction with moisture will generate CO<sub>2</sub> which may rupture the containers.

DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

## 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 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 application.

## SECTION 9 - PHYSICAL DATA

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<b>BOILING POINT (F)</b>	350°	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	1.06
<b>VAPOR PRESSURE</b>	0.011	<b>PERCENT, VOLATILE BY VOLUME</b>	Zero
<b>VAPOR DENSITY (AIR=1)</b>	ND	<b>EVAPORATION RATE (N.B.A.=1)</b>	Zero
<b>SOLUBILITY IN WATER</b>	Insoluble (reacts)	<b>pH (5% slurry)</b>	7.0

APPEARANCE & ODOR - Dark yellow transparent liquid with sharp 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: Possible HCN.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contamination with water will evolve CO<sub>2</sub>.

## 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; absorb with sand.

### **SECTION 14 – TRANSPORT INFORMATION**

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PROPER SHIPPING NAME: Paint

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**

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See reference data for individual components.

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

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Health	2
Flammability	1
Physical Hazard	1
Personal Protection	H

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