



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

POLAJOINT – 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 - Part A
CHEMICAL FAMILY: Reaction Products of Epichlorhydrin & Bisphenol 'A' Modified with Isocyanate Prepolymer

SECTION 2 – HAZARD IDENTIFICATION & EMERGENCY OVERVIEW

Emergency Overview: Irritating to eyes and skin. May cause sensitization by skin contact. May be toxic to fish. Not biodegradable; potential to bioaccumulate.

Effects of Overexposure:

SKIN: Prolonged or repeated contact may cause skin irritation and/or result in skin sensitization or other allergic response. Slightly toxic by skin absorption.

EYES: Irritation and redness from direct eye contact

BREATHING: High temperatures may yield irritating fumes. May cause respiratory tract irritation with symptoms of coughing, sore throat, and shortness of breath.

SWALLOWING: Low acute oral toxicity (LD50 greater than 2,000 Mg/kg for rats). Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea.

SECTION 3 - COMPOSITION

| COMPONENT | CAS # | APPROX % | TLV |
|--|---------------|----------|-----|
| Barium Sulfate | 7727-43-7 | 47.4 | |
| Carbon Black | 1338-86-4 | 0.6 | |
| Epoxy Resin | 25068-38-6 | 34.8 | |
| Blocked Isocyanate Prepolymer Solution | (ITASCA FILE) | 17.2 | |

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

SECTION 4 – FIRST AID MEASURES

SKIN: Wash thoroughly with soap and water. If clothing or shoes become contaminated, launder clothes and clean shoes before reuse.

EYES: Irrigate with water for 15 minutes and seek medical attention.

BREATHING: Move victim to fresh air. If effects occur, consult medical personnel. If breathing is difficult, give oxygen.

SWALLOWING: If ingested, do NOT induce vomiting unless directed to by medical personnel. Get medical attention.

SECTION 5 – FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) : 485°F (Pensky Martens Closed Cup)

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: CO₂, dry chemical, foam, water spray for large fires

SPECIAL FIRE FIGHTING PROCEDURES: Standard

UNUSUAL FIRE & EXPLOSION HAZARDS: None

DECOMPOSITION PRODUCTS: Thermal decomposition yields oxides of carbon and nitrogen.

SECTION 6 – SPILL OR LEAK PROCEDURES

Contain spill with absorbent material. If necessary, soak contaminated area with a 5% acetic acid and wash with water. Clean up area may be slippery; if so, spread sand or grit.

SECTION 7 – HANDLING & STORAGE

Store in a dry area away from heat. Keep container sealed until ready for use.

SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS

RESPIRATORY PROTECTION (SPECIFY TYPE): None required under normal conditions of work.

EYE PROTECTION: Safety glasses with side shields.

SKIN PROTECTION: Rubber or polyethylene gloves, permeation-resistant clothing.

OTHER PROTECTIVE EQUIPMENT: Adequate clothing to prevent direct contact to skin.

PERSONAL HYGIENE: Wash thoroughly after use.

SECTION 9 - PHYSICAL DATA

| | | | |
|------------------------------|------------|------------------------------------|------|
| BOILING POINT (F) | Decomposes | SPECIFIC GRAVITY (H2O=1) | 1.3 |
| VAPOR PRESSURE | N/A | PERCENT, VOLATILE BY VOLUME | None |
| VAPOR DENSITY (AIR=1) | N/A | EVAPORATION RATE (N.B.A.=1) | None |
| SOLUBILITY IN WATER | Insoluble | pH (5% slurry) | 7.5 |

APPEARANCE & ODOR - Gray paste with slight epoxide odor.

SECTION 10 – REACTIVITY DATA

STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions. Fire and high heat may yield CO, CO₂, and NOX.

HAZARDOUS POLYMERIZATION: May occur at temperatures above 248°F

CONDITIONS TO AVOID: Avoid excessive heating over a long period of time. When large quantities are mixed, high exotherm may result. Avoid mixing with water.

SECTION 11 – TOXICOLOGICAL INFORMATION

See reference data for individual components.

SECTION 12 – ECOLOGICAL INFORMATION

See reference data for individual components.

SECTION 13 – DISPOSAL CONSIDERATIONS

In accordance with local, state and federal environmental regulations in approved metal containers.

SECTION 14 – TRANSPORT INFORMATION

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

See reference data for individual components.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 1 |
| Physical Hazard | 0 |
| Personal Protection | H |

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