



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

**POLAJOINT – PART B**

**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 B  
CHEMICAL FAMILY: Cycloaliphatic Amine Hardener

**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 or skin sensitization. May cause respiratory tract irritation, allergic reaction, or sensitization. Causes severe gastrointestinal damage if swallowed.

Effects of Overexposure:

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

EYES: Irritation and redness from direct eye contact

BREATHING: High temperatures may yield irritating fumes.

SWALLOWING: Low acute oral toxicity (LD50 greater than 2,000 Mg/kg for rats).

**SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Isophorone Diamine	2855-13-2	60	
Modified Aliphatic Amine	68609-08-5	40	

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

**SECTION 4 – FIRST AID MEASURES**

SKIN: Wash thoroughly with soap and water. Launder clothes 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.

SWALLOWING: Induce vomiting if large amount ingested. Low toxicity, no specific antidote.

## SECTION 5 – FIRE & EXPLOSION HAZARD DATA

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

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical.

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

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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

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

## SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS

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RESPIRATORY PROTECTION (SPECIFY TYPE): During mixing, a NIOSH approved dust mask should be worn, otherwise unnecessary.

EYE PROTECTION: Safety glasses with side shields.

SKIN PROTECTION: Rubber or polyethylene gloves.

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

PERSONAL HYGIENE: Wash thoroughly after use.

## SECTION 9 - PHYSICAL DATA

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<b>BOILING POINT (F)</b>	Decomposes	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	1.1
<b>VAPOR PRESSURE</b>	N/A	<b>PERCENT, VOLATILE BY VOLUME</b>	None
<b>VAPOR DENSITY (AIR=1)</b>	N/A	<b>EVAPORATION RATE (N.B.A.=1)</b>	None
<b>SOLUBILITY IN WATER</b>	Insoluble	<b>pH (5% slurry)</b>	7.5

APPEARANCE & ODOR - Clear liquid with slight ammoniacal odor.

## SECTION 10 - REACTIVITY DATA

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STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions.

HAZARDOUS POLYMERIZATION: May not occur.

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

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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 existing local, state and federal environmental regulations in approved metal containers.

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

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Proper Shipping Name: Corrosive Liquid N.O.S. (contains isophorone diamine modified aliphatic amine)  
Hazard Class: 8  
Packing Group: III  
ID #: UN 1760  
RQ: None  
Transport Labels Required: Corrosive Liquid

### **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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