



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: 1-856-786-6900
In an emergency, contact CHEMTREC 1-800- 424-9300;
Outside the United States call +1-703-527-3887
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
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	>=30 - <=60	
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, reaction products with bisphenol A diglycidyl ether homopolymer	68609-08-5	>=15 - <=40	
Benzyl Alcohol	100-51-6	>=30 - <=60	

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

FLASH POINT (METHOD USED): 485°F (Pensky Martens Closed Cup)
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: CO₂, 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

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): 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

BOILING POINT (F)	Decomposes	SPECIFIC GRAVITY (H ₂ O=1)	1.1
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 - Clear liquid with slight ammoniacal odor.

SECTION 10 - REACTIVITY DATA

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

ACUTE ORAL TOXICITY	Moderate
ACUTE INHALATION TOXICITY	Harmful
ACUTE DERMAL TOXICITY	Harmful
SENSITIZATION	Sensitizing
MUTAGENICITY	Not Listed
CARCINOGENICITY	Not Classifiable

SECTION 12 ECOLOGICAL INFORMATION

BIODEGRADATION	Not Readily
TOXICITY TO FISH	Moderate
TOXICITY TO AQUATIC INVERTEBRATES	Moderate
TOXICITY TO MICRO ORGANISMS	Moderate
ATMOSPHERIC OXIDATION OF VOLATILES	None
BIOACCUMULATION	Unknown
TOXICITY TO PLANTS	Moderate

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with existing local, state and federal environmental regulations in approved metal containers.

SECTION 14 – TRANSPORT INFORMATION

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

See reference data for individual components.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	2
Flammability	1
Physical Hazard	1
Personal Protection	H

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