



SAFETY DATA SHEET

U.S. Department of Labor
Occupational Safety & Health Administration

Polajoint Super - Part B

SECTION 1 - IDENTIFICATION

MANUFACTURER: Andek Corporation
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In an emergency, contact CHEMTREC 1-800- 424-9300;
Outside the United States call +1-703-527-3887
PRODUCT IDENTIFIER: Polajoint Super - Part B
RECOMMENDED USE: Joint Sealant

SECTION 2 – HAZARD IDENTIFICATION

HAZARD CLASSIFICATION (EFFECTS OF EXPOSURE):

Skin: Repeated or prolonged exposure may cause irritation.

Eyes: May irritate.

Inhalation: May cause mild respiratory irritation.

Ingestion: Available data suggest no adverse toxic effects.

SIGNAL WORD: Warning - no hazard in normal industrial use.

HAZARD STATEMENTS:

- May be harmful if swallowed.
- Causes mild skin irritation.
- Causes eye irritation.
- May cause respiratory irritation.

PICTOGRAMS: None necessary.

PRECAUTIONARY STATEMENTS:

Prevention:

- **Do Not** handle until all safety precautions have been read and understood.
- **Do Not** breathe mist or spray.
- **Do Not** get in eyes, on skin, or on clothing.
- Wash thoroughly after handling.
- **Do Not** eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- **Skin:** Wash with plenty of water. If skin irritation occurs; get medical advice/attention.
- **Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing.
- **Inhalation:** Remove person to fresh air and keep comfortable for breathing.
- **Ingestion:** Rinse mouth. **Do Not** induce vomiting.

Storage:

- Store in a dry place.
- Store in a closed container.

Disposal:

- Waste disposal should be in accordance with existing federal, state and local environmental control laws.
- Incineration is the preferred method.

SECTION 3 – COMPOSITION

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>APPROX %</u>
Polyester Polyol	8002-05-9	10
Polybutenes	9003-29-6	19
1,3-Butadiene, Homopolymer, Hydroxyl Terminated	69102-90-5	34
Castor Oil	8001-79-4	3
Silicon Oxide	7631-86-9	2
Aluminum Oxide	1344-28-1	2
Iron Oxide	1309-37-1	28
Diethyltoluenediamine (DETD)	68479-98-1	2

SECTION 4 – FIRST AID MEASURES

Skin:

- Immediately begin decontamination with running water.
- Minimum flushing is for 20 minutes.
- Remove exposed or contaminated clothing, taking care not to contaminate eyes.
- Victim must seek medical attention if any adverse effect occurs/continues after flushing.

Eyes:

- Open victim's eyes while under gently running water.
- Use sufficient force to open eyelids.
- Have victim "roll" eyes.
- Minimum flushing is for 20 minutes.
- Victim must seek medical attention if any adverse effect occurs.

Inhalation:

- Remove victim to fresh air.
- If necessary, use artificial respiration to support vital functions.
- If adverse effect continues after removal to fresh air, seek medical attention.

Ingestion:

- Call physician or poison control center for most current information.
- **Do Not** induce vomiting, unless directly by medical personnel.
- Have victim rinse mouth with water or give several cupfuls of water, if conscious.
- Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration.

Recommendations to physicians:

- Treat symptoms and eliminate overexposure.
- Provide oxygen, if necessary.

SECTION 5 – FIRE-FIGHTING MEASURES

Flash point: 200°C (392°F)

Flammable limits: Not applicable

Autoignition: Not applicable; decomposes

Extinguishing media:

Materials recommended for fires involving this product:

- Carbon Dioxide
- Dry Chemical
- Any "B" Class Halon
- Foam
- Water Spray (for cooling only)

Special fire fighting procedures:

- Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment.
- Chemical resistant clothing may be necessary.
- Move containers from fire area if it can be done without risk to personnel.
- Water spray can be used to cool fire-exposed containers.
- Water fog or spray can also be used by trained firefighters to disperse this product's vapors and to protect personnel.

- If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.
- Rinse contaminated equipment thoroughly with soapy water before returning such equipment to service.

Unusual fire & explosion hazards:

- These products can burn if highly heated.
- Explosion Sensitivity to Mechanical Impact: Not sensitive.
- Explosion Sensitivity to Static Discharge. If heated, vapors may be ignited by static electrical energy.

Decomposition products:

- Decomposition products may ignite in air at or above the flash point.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency procedures:

- Remove all sources of ignition, including flames, heat, and sparks.
- Ventilate area to remove vapors or dust.
- Evacuate and keep unnecessary people out of spill area.
- Use appropriate personal protective equipment during clean up.

Methods and materials used for containment:

- Dike or dam spilled material and control further spillage, if possible.
- **Do Not** allow spilled material or wash water to enter sewers, surface waters, or groundwater systems.
- Large spills should be contained and pumped into original or similar containers.
- Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal.
- Notify local health and safety authorities and other appropriate agencies if necessary.

Cleanup procedures:

- Wash spill area with soap and water.
- Collect wash water for approved disposal.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling:

- Avoid getting this product ON YOU or IN YOU.
- Wash thoroughly after handling this product.
- Eye wash stations or safety showers should be near areas where this product is stored or handled.
- **Do Not** eat, drink, smoke, or apply cosmetics while handling this product.
- Avoid breathing vapors or mists generated by this product.
- Use in a well-ventilated location.
- Remove contaminated clothing immediately and launder before reuse.

Recommendations on the conditions for safe storage:

- All employees who handle this material should be trained to handle it safely.
- Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible.
- Do not store containers above 100°C (212°F).
- Material stored at cold temperatures may become very viscous and be difficult to pump.
- Material should be stored in secondary containers or in a diked area, as appropriate.
- Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity).
- Storage areas should be made of fire resistant materials.
- Post warning and “NO SMOKING” signs in storage and use areas, as appropriate.
- Have appropriate extinguishing equipment in the storage area (i.e., sprinkler system, portable fire extinguishers).

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

CHEMICAL NAME	PEL	TLV
Silicon Oxide	Dust 15 mg/M ³	None established
Aluminum Oxide	Dust 15 mg/M ³	Respirable fraction = 1
Diethyltoluenediamine (DETDA)	None established	TWA: 0.02 ppm

Engineering controls: Use local and general exhaust ventilation to control levels of exposure.

Inhalation protection:

- None required under normal conditions of use.
- The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline. NIOSH approved air-purifying respirator with organic vapor cartridges and N-95 filters. Full face-piece is recommended.

Eye protection: Chemical resistant goggles must be worn.

Skin and body protections:

- Permeation resistant gloves.
- Permeation resistant clothing.

Other hygienic practices and protective equipment:

- Employees should wash their hands and face before eating, drinking, or using tobacco products.
- Educate and train employees in the safe use and handling of this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous metallic black liquid.

Physical state: Liquid

Color: Black

Odor: Mild Hydrocarbon odor.

Odor threshold: None established.

pH: None established.

Melting point/freezing point: None established.

Initial boiling point and boiling range: 110°C to 308°C

Flash point: 338°F (170°C)

Evaporation rate: None at ambient temperature.

Flammability: Not flammable unless highly heated.

Upper/lower flammability or explosive limits: None established.

Vapor pressure: 0.75 mmHg@20°C

Vapor density: 1.17 g/cm³@20°C

Relative density: 1.23 kg/l

Solubility: Insoluble with water

Partition coefficient: n-octanol/water: None established.

Auto-ignition temperature: Not applicable, decomposes

Decomposition temperature: Above 800°F

Viscosity: 36,000 centipoises at 20°C

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:

- Stable under conditions of standard temperature and pressure.
- Air oxidation increases rapidly at temperatures above 250°C (482°F).
- Light and/or heat increase the rate of decomposition.

Hazardous polymerization: Will not occur.

Incompatibility (materials to avoid): These compounds may react with strong oxidizers.

Hazardous decomposition products:

- Combustion: Carbon monoxide, carbon dioxide and light organic oxidation products.
- Thermal decomposition in absence of air releases mainly saturated and unsaturated hydrocarbons.
- Hydrolysis: None known.

Conditions to avoid: Avoid exposure to or contact with ignition sources and extreme temperatures.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of exposure:

Oral: Not expected to be a significant route of occupational exposure.

Inhalation: If sprays or mists are inhaled, irritation of the mouth, throat and other tissues of the respiratory system may occur.

Dermal: There is no specific hazard associated with skin absorption.

Effects from short and long term exposure:

Acute:

- May irritate contaminated eyes.
- May irritate skin.
- Ingestion of large volumes may be harmful.
- Aspiration of the liquid can cause potentially fatal conditions of pulmonary edema and/or chemical pneumonitis.

Chronic: Prolonged skin contact may cause dermatitis.

Numerical measures of toxicity:

CHEMICAL NAME	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50
Diethyltoluenediamine (DETDA)	472 mg/kg	1,000 mg/kg	2.45 mg/ltr (rat)
Polyester Polyol	2,000 mg/kg	Non irritant	Non irritant (rabbit)
Polybutenes	N/A	N/A	700 mg/m ³ (7hr. rabbit)

Symptoms associated with exposure: There is no ACGIH biological exposure indices (BEIs) determined for any of the ingredients of this product.

Chemical listed in NTP or IARC? Not listed.

SECTION 12 – ECOLOGICAL INFORMATION

Data from toxicity test (aquatic and/or terrestrial organism where available): 5 columns

CHEMICAL NAME	Algae/Aquatic Plants	Fish LC50	Toxicity to Microorganism EC10	Crustacea (Aquatic Invertebrates) EC50
Diethyltoluenediamine (DETDA)	N/A	194 mg/l (Golden Orfe (Leuciscus idus), 48 h)	170 mg/l, (Pseudomonas putida, 24 h)	0.5 mg/l (Water flea (Daphnia magna), 48 h)
Castor Oil	N/A	>1.0 mg/l (96 h)	N/A	N/A

Biodegradation: Not readily.

Bioaccumulation potential: N/A

Mobility in soil: Expected to be highly mobile.

Other adverse effects: No ozone depletion potential.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of waste: Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Disposal of contaminated packaging:

- Recondition or dispose of empty container in accordance with governmental regulations.
- Do not heat or cut container with electric or gas torch.
- Empty containers retain product residue (dust, liquid, vapor and/or gases) and can be dangerous.

SECTION 14 – TRANSPORT INFORMATION

UN #	N/A
UN PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	N/A
PACKING GROUP:	N/A
ENVIRONMENTAL HAZARDS:	N/A
GUIDANCE ON TRANSPORT IN BULK	N/A

Transport labels required: This product is not regulated by the D.O.T.

SECTION 15 – REGULATORY INFORMATION

US Federal Regulation:

OSHA Hazcom Standard Rating: Hazardous

US EPA CERCLA Hazardous Substances (40 CFR 302): Components - None

SARA 311/312 Hazard Categories: Acute Health Hazard, Chronic Health Hazard

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): Components - None

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required: Components - None

US EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261): Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste

US State Right to Know Regulations: New Jersey, Massachusetts, Pennsylvania, Rhode Island

CHEMICAL NAME	CAS #
Diethyltoluenediamine (DETDA)	68479-98-1

CA Prop 65: To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	B

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