

Identity As used on Label and List:

**PolyLok™****Section I**

Manufacturer's Name:	GRA Services, LLC 5020 E. 2 <sup>nd</sup> Street Edmond, OK 73034	Emergency Telephone #:	(800) 424-9300
		Telephone #:	(405) 330-2395
		Date Prepared:	03/25/00

**Section II**

Product Class:	Epoxy
Formulation Identification:	Adhesive
Hazardous Components (Specific Chemical Identity):	Common Name(s)

**Hazardous Ingredients / Identity Information****Component A:**

	OSHA PEL	ACHIH TLV	Approx %
Modified Bisphenol A/Epichlorohydrin Base Epoxy Resin CAS #25068-38-6	N/E	N/A	>80%
Talc CAS #14807-96-6	5 mg/m3	5 mg/m3	<10%
Coated Precipitated Calcium Carbonate CAS #1317-65-3	5 mg/m3	10 mg/m3	<10%
Zinc Oxide CAS #1314-13-2	5 mg/m3	5 mg/m3	<10%

This product contains detectable amounts of a chemical known to the State of California to cause birth defects/cancer or other reproductive harm. Epichlorohydrin.

**Component B:**

Trade Secret Amine Blend containing one or more of the following:

CAS #694-83-7	NE	NE	<50%
CAS #143-23-7	NE	NE	
CAS #140-31-8	NE	NE	
CAS #100-51-6	NE	NE	
CAS #NE	NE	NE	
CAS #68953-36-6	NE	NE	

2,4,6-Tri(dimethylaminomethyl)phenol

CAS #90-72-2	10 mg/m3	5 mg/m3	<5%
Talc CAS #14807-96-6	5 mg/m3	5 mg/m3	<20%
Coated Precipitated Calcium Carbonate CAS #1317-65-3	10 mg/m3	5 mg/m3	<20%

None of the remaining components considered a Hazardous Material or carcinogen (1910 1200 Hazard Communication (d) (4) ).

Transportation Information	DOT Classification	Amines, Liquid Corrosive, n o s (aminopropyldiethanolamine) Shipping # UN 2735, Hazard Class 8, PG III
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**Section III**

	Physical/Chemical Characteristics
Boiling Point	N/E
	Specific Gravity A 1.13 B 1.64
Vapor Pressure (mmHg)	N/E
Vapor Density (Air=1)	> 1
Solubility in Water	Insoluble
Appearance and color	A = White Gel, mild odor B = Gray Gel, characteristic odor

**Section IV****Fire and Explosion Hazard Data**

Flash Point (Method used)	>200F
Flammable Limits	LEL N/A UEL N/A
Extinguishing Media	Foam, Co2, Water Fog
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None Avoid breathing smoke

<b>Section V</b>	<b>Reactivity Data</b>	<b>MSDS PolyLok™ Page 2</b>	
Stability	Stable	Conditions to Avoid	None
Incompatibility (Materials to Avoid)	Strong Oxidizers	Strong Bases	
Hazardous Decomposition Or Byproducts	Co, Co2, Nox		
Hazardous Polymerization	None	Conditions to Avoid	Fires when curing

**Section VI**  
 Carcinogenicity: No      NTP? No      IARC? No      OSHA Regulated? No

Effects and Hazards of Overexposure (Acute and Chronic)

Eyes:	May produce irritation, sensitization
Skin:	May produce irritation, sensitization
Inhalation: (Breathing)	May produce irritation, sensitization
Ingestion: (Swallowing)	May produce irritation, sensitization

**Emergency and First Aid Procedures**

Remove any contaminated clothing	
Eyes:	Flush immediately with water for 15 min. Contact a physician immediately
Skin:	Remove epoxy from skin immediately with a dry cloth or paper towel. Wash area of contact with soap and water. Solvents should not be used because they carry the irritant into the skin.
Inhalation:	If respiratory irritation occurs, go to fresh air. Flood work area with fresh air and if irritation continues, seek medical attention.
Ingestion:	Not expected. Contact medical help immediately, untrained first aid personnel should not attempt to administer first aid. Contaminated clothing should be washed prior to re-use.

**Section VII**  
 Steps to be taken in case material is leaked or spilled: Bind with absorbent material  
 Waste disposal Method: Small Spill Per local, state and federal regulations

**Section VIII**  
**Respiratory Protection**  
 Respiratory protection is required when ventilation is inadequate. NIOSH/MSHA approved respirators should be provided and worn. All workers required to use respiratory protection should be trained in their proper selection, use and care. A written respiratory program is outlined in 29 CFR 1910, 134 and is required by OSHA.

Ventilation (Local Exhaust)	Recommended for indoor use or confined spaces.
Ventilation (Mechanical-General)	Recommended for indoor use or confined spaces.
Ventilation (Special)	Recommended when local and mechanical ventilation is not adequate.
Ventilation (Other)	N/E
Protective Gloves	Recommended when handling bulk material.
Eye Protection	Recommended in confined areas and when handling bulk material.
Other Protective Equipment	Recommended splash bib/protective clothing when handling bulk material.
Work/Hygienic Practices	Remove and wash contaminated clothing. As with all commercial and industrial products, always wash hands before eating and smoking.

**Section IX**  
**Special Precautions**  
 Precautions to be taken in handling Store in a cool dry location. Do not allow material to freeze, as product may be damaged. Store away from sparks and flame.  
 Other Precautions None

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N/A: Not Available      N/E: Not Established