

Material Safety Data Sheet
OSHA's Hazard Communication Standard,
29 CFR 1910.1200.

IDENTITY: PRODUCT #960 Loop Sealant "A" Component

SECTION I

Manufacturer:	Epoxy Systems, Inc.	Emergency Number:	1-800-633-8253 (PERS)
Address:	20774 W. Pennsylvania Ave. Dunnellon, FL 34431	Telephone Number:	352-489-1666
		Date Prepared:	6/2010

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	Hazard Limits	%
Bisphenol A/ Epichlorohydrin Based Epoxy Resin	25068-38-6	N/D		
Residual levels of Epichlorohydrin are controlled to		1 PPM Max		
Turpol Resin	N/E	N/E		
Limestone Dust	1317-65-3	10 mg/m ³		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (H₂O = 1):	1.
Vapor Pressure (mm Hg.):	N/D	Melting Point:	N/A
Vapor Density (AIR = 1):	>1	Evaporation Rate:	N/A
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	Gray Liquid, slight odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): > 200° F

Flammable Limits: LEL N/D **UEL** N/D

Extinguishing Media: Foam, dry chemical, CO₂ or water spray

Special Fire Fighting Procedures: Wear positive pressure, self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None.

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None

Incompatibility: Strong bases

Hazardous Decomposition or Byproducts: CO, aromatic structures

Hazardous Polymerization: Will Not Occur **Conditions to Avoid:** None known

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PRODUCT #960 "A" Component cont

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: **Inhalation:** No **Skin:** Yes **Ingestion:** Yes

Health Hazards (*Acute and Chronic*): Inhalation - Based on human experience, may cause irritation of the respiratory tract. Because of its low volatility, however, significant exposure by the inhalation route is unlikely under most ambient conditions, but vapors, aerosols, and mists may be formed during some applications. May be harmful if inhaled. Ingestion - Based on similar product testing, product may be slightly toxic.

Carcinogenicity: **NTP:** Not Listed **IARC Monographs:** Not Listed **OSHA Regulated:** Not regulated

Signs and Symptoms of Exposure: Irritation as noted above. Skin sensitization (allergy) may be evidenced by rashes. Especially hives. Respiratory tract sensitization (e.g. allergy, asthma) may be evidenced by wheezing with shortness of breath and cough.

Medical Conditions Generally Aggravated by Exposure: Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. Preexisting skin or respiratory tract allergies may increase the chance of developing increased allergy symptoms from exposure to this product.

Emergency and First Aid Procedures: Eyes - Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention. Skin - Immediately remove contaminated clothing or shoes, wipe excess from skin and flush with plenty of water for at least 15 minutes. Follow by washing with soap and water. Do not reuse clothing until thoroughly cleaned. Inhalation - Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30 cc (2 tablespoons) syrup or Ipecac*. If Ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get medical attention.

* If victim is a child, give no more than 1 glass of water and 15 cc (1 tablespoon) syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis. Gastric lavage should be considered following intubation with a cuffed endotracheal tube.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Scoop up material and collect in suitable containers.

Waste Disposal Method: Burn in approved incinerator or bury in an approved landfill in compliance with Federal, State, and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed.

Other Precautions: Avoid breathing vapors and contact with heated materials.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic cartridge respirator.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Clean long sleeve and long pant work clothing.

Work/Hygienic Practices: Follow practices of good industrial hygiene.

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established

IDENTITY: PRODUCT #960 Loop Sealant "B" Component**SECTION I**

Manufacturer:	Epoxy Systems, Inc.	Emergency Number:	1-800-633-8253 (PERS)
Address:	20774 W. Pennsylvania Ave. Dunnellon, FL 34431	Telephone Number:	352-489-1666
		Date Prepared:	6/2010

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS #	OSHA PEL	Hazard Limits	%
N-Aminoethyl Piperazine	140-31-8	N/E		
Nonyl Phenol	84852-15-2			
Limestone Dust	1317-65-3	10 mg/m ³		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/D	Specific Gravity (H₂O = 1):	1.33
Vapor Pressure (mm Hg.):	N/E	Melting Point:	N/A
Vapor Density (AIR = 1):	>1	Evaporation Rate:	N/A
Solubility in Water:	Slight	(Butyl Acetate = 1)	
Appearance and Odor:	White Liquid, amine odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA**Flash Point (Method Used):** > 200° F (Tag Closed Cup)**Flammable Limits: LEL** N/D **UEL** N/D**Extinguishing Media:** Foam, dry chemical, CO₂**Special Fire Fighting Procedures:** Wear positive pressure, self-contained breathing apparatus**Unusual Fire and Explosion Hazards:** None**SECTION V - REACTIVITY DATA****Stability:** Stable **Conditions to Avoid:** None**Incompatibility:** Strong acids**Hazardous Decomposition or Byproducts:** Oxides of nitrogen, CO**Hazardous Polymerization:** Will Not Occur **Conditions to Avoid:** None known

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PRODUCT #960 "B" Component - cont**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation: Yes	Skin: Yes	Ingestion: Yes
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Health Hazards (Acute and Chronic): Repeated and/or prolonged exposure may cause allergic reaction/sensitization. May cause severe skin irritation or pain. Prolonged contact may cause chemical burns. Repeated and/or prolonged exposure may result in: adverse respiratory effects (such as cough, tightness of chest or shortness of breath), adverse eye effects(such as conjunctivitis or corneal damage), adverse skin effects (such as defatting, rash or irritation), adverse skin effects (such as rash, irritation or corrosion).

Carcinogenicity: NTP: Not Listed **IARC Monographs:** Not Listed

OSHA Regulated: Not Regulated

Signs and Symptoms of Exposure: Contact with the skin may cause dryness (defatting), itching and/or rash. Inhalation of mists may cause irritation in the respiratory tract. Contact with the skin or eyes causes moderate eye and skin irritation, redness and discomfort which is transient. Coughing and chest pain may result. Product is absorbed through the skin and may cause nausea, headache and general discomfort.

Medical Conditions Generally Aggravated by Exposure: Asthma, chronic respiratory disease(e.g. Bronchitis, Emphysema), eye disease, skin disorders and allergies.

Emergency and First Aid Procedures: Eyes - Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention. Skin - Remove product and immediately flush affected area with water for at least 15 minutes. Remove contaminated clothing and shoes. Launder contaminated clothing prior to reuse. Inhalation - Move patient to fresh air. If breathing has stopped or is labored give respiration (e.g. mouth-to-mouth). Prevent aspiration of vomit. Turn victim's head to the side. Seek medical attention. Ingestion - If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled: Contain spill. Broadcast absorbent material. Collect in suitable containers.

Waste Disposal Method: Burn in approved incinerator in compliance with Federal, State, and Local regulations.

Precautions to Be Taken in Handling and Storing: Keep containers closed. Store in cool area.

Other Precautions: Avoid breathing vapors.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: NIOSH approved organic respirator in confined areas.

Ventilation: Mechanical (General) Good general ventilation.

Protective Gloves: Rubber Gloves

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Clean long sleeved, long pant clothing.

Work/Hygienic Practices: Follow practices of good industrial hygiene.

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established