



### SECTION 1: IDENTIFICATION

**Company:** Epoxy Systems, Inc.

**Address:** 20774 West Pennsylvania Ave  
Dunnellon, FL 34431

**Product Name:** A Component: Epoxy.com # 301

**Product Description:** Low Viscosity Low Mod Injection Resin PART A

**Emergency Contact No.:** 1-800-633-8253 PERS

**Date Prepared or Revised:** 03/02/2015

### SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification	Placard	Key word	GHS hazard phrase
Skin Corrosion/Irritation, Category 2	Exclamation Point	Warning	Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 3	none	Warning	Causes eye irritation 2B
Skin Sensitization, Category 1B	Exclamation Point	Warning	May cause an allergic skin reaction

#### GHS Hazard Phrases

- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H320 - Causes eye irritation.
- H335 - May cause respiratory irritation.

#### GHS Precaution Phrases

- P280 - Wear protective gloves/protective clothing/eye protection.
- P261 - Avoid breathing mist/vapours.
- P264 Wash hands thoroughly after handling.

#### GHS Response Phrases

- P302+352 - IF ON SKIN: Wash with plenty of soap and water.
- P332+313 - If skin irritation occurs, get medical advice/attention.
- P362 - Take off contaminated clothing.
- P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+313 - If eye irritation persists, get medical advice/attention.
- P333+313 - If skin irritation or rash occurs, seek medical advice/attention.

#### GHS Storage and Disposal Phrases

- P403+235 - Store in cool/well-ventilated place.
- P404 - Store in a closed container.

### Potential Health Effects (Acute and Chronic)

May cause eye irritation. May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

### Inhalation

May cause respiratory irritation.

### Skin Contact

Causes skin irritation.

### Eye Contact Recommended Exposure Limits

Causes eye irritation.

### Ingestion

May be harmful if swallowed.

### Recommended Exposure Limits

Not established.

### Medical Conditions Generally Aggravated By Exposure

Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

### OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Bisphenol-a based epoxy resin	25068-38-6	70-90%
2. Oxirane, Mono.((C12-14-alkyloxy)methyl).68609-97-2		1.0 - 10% derivs.
3. Benzenemethanol	100-51-6	1.0 - 10 %
4. Phenol, 4-nonyl-, branched	84852-15-3	1.0 - 10 %

## SECTION 4: FIRST-AID MEASURES

### Emergency and First Aid Procedures In Case of Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

### In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

### In Case of Eye Contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

### In Case of Ingestion

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do not induce vomiting. For further assistance, contact your local Poison Control Center.

### Signs and Symptoms Of Exposure

Moderate irritation effect.

## SECTION 5: FIRE-FIGHTING MEASURES

**Flash Pt:** > 200.00 C Method Used: Pensky-Marten Closed Cup

**Explosive Limits:** LEL: NE UEL: NE

**Autoignition Pt:** No data available.

### Fire Fighting Instructions

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Flammable Properties and Hazards

Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.

### Hazardous Combustion Products

Hazardous decomposition products formed under fire conditions. Carbon dioxide, Carbon monoxide.

### Suitable Extinguishing Media

Dry chemical, CO<sub>2</sub>, water spray or regular foam.

### Unsuitable Extinguishing Media

Do not use a direct water stream, which may spread fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.

Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

### Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

### Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

## SECTION 7: HANDLING AND STORAGE

### Hazard Label Information:

Avoid contact with skin and eyes. Do not get on skin and clothing. Avoid inhalation of vapor or mist. Store in a closed container.

### Precautions To Be Taken in Handling

Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.

### Precautions To Be Taken in Storing

Keep container tightly closed in a dry and well-ventilated place.

### Other Precautions

Wash thoroughly after handling.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Bisphenol-a based epoxy resin	25068-38-6	No data.	No data.	No data.
2. Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs.	68609-97-2	No data.	No data.	No data.
3. Benzenemethanol	100-51-6	No data.	No data.	No data.
4. Phenol, 4-nonyl-, branched	84852-15-3	No data.	No data.	No data.

### Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing. Chemical resistant boots

### Respiratory Equipment (Specify Type)

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

### Eye Protection

Safety glasses, or goggles.

### Protective Gloves

Nitrile rubber and Neoprene is recommended.

### Other Protective Clothing

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

### Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

### Work/Hygienic/Maintenance Practices

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

### Environmental Exposure Controls

Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [X] Liquid [ ] Solid
<b>Melting Point:</b>	NE
<b>Boiling Point:</b>	NE
<b>Decomposition Temperature:</b>	NE
<b>Autoignition Pt:</b>	No data.
<b>Flash Pt:</b>	> 200.00 C Method Used: Pensky-Marten Closed Cup
<b>Explosive Limits:</b>	LEL: NE UEL: NE
<b>Specific Gravity (Water = 1):</b>	~ 1.139
<b>Density:</b>	~ 9.5 LB/GL
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NE
<b>Vapor Density (vs. Air = 1):</b>	NE
<b>Evaporation Rate:</b>	NE
<b>Solubility in Water:</b>	~
<b>Solubility Notes</b>	
	Practically insoluble.
<b>Percent Volatile:</b>	0.0 % by volume.
<b>VOC / Volume:</b>	NP
<b>HAP / Volume:</b>	NP
<b>Saturated Vapor Concentration:</b>	NE
<b>Appearance and Odor</b>	
	Clear. Slight odor.
	Appearance: Liquid.

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ] Stable [X]
<b>Reactivity</b>	
	Avoid: acids, alkalis, oxidizing agents.
<b>Conditions To Avoid -</b>	
<b>Instability</b>	Extreme temperatures.
<b>Incompatibility - Materials To Avoid</b>	
	Avoid strong acids, bases, and oxidizing agents.
<b>Hazardous Decomposition Or Byproducts</b>	
	Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide.
<b>Possibility of Hazardous</b>	Will occur [ ] Will not occur [X] <b>Polymerization:</b>
<b>Conditions To Avoid - Hazardous Reactions</b>	
	Will not undergo hazardous polymerization in normal storage conditions.

## SECTION 11: TOXICOLOGY INFORMATION

### Toxicological Information

May cause sensitization by skin contact.

### Chronic Toxicological Effects

Skin sensitization.

### Irritation or Corrosion

Skin Irritation. Irritating to eyes.

### Symptoms related to Toxicological Characteristics

Skin Irritation. Slight Irritant to eyes.

Hazardous Components (Chemical Name)	CAS #	25068- NTP	IARC	ACGIH	OSHA
1. Bisphenol-a based epoxy resin	38-6	n.a.	n.a.	n.a.	n.a.
2. Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs.	68609-97-2	n.a.	n.a.	n.a.	n.a.
3. Benzenemethanol	100-51-6	n.a.	n.a.	n.a.	n.a.
4. Phenol, 4-nonyl-, branched	84852-15-3	n.a.	n.a.	n.a.	n.a.

Carcinogenicity:NTP? No    IARC Monographs? No    OSHA Regulated? No

## SECTION 12: ECOLOGICAL INFORMATION

### General Ecological Information

Avoid release to the environment. May be hazardous to the environment if released in large quantities.

### Results of PBT and vPvB assessment

No data available.

### Persistence and Degradability

Not readily biodegradable.

### Bioaccumulative

**Potential** No data available.

**Mobility in Soil** not reported, unknown.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

### SECTION 14: TRANSPORT INFORMATION

#### LAND TRANSPORT (US DOT)

##### DOT Proper Shipping Name

Synthetic Resin Liquid. Not Regulated.

##### Precautionary Label

Avoid skin and eye contact. May cause eye and skin irritation. May cause skin sensitization. Wear protective equipment and clothing. Always read MSDS/SDS before use.

#### LAND TRANSPORT (Canadian TDG)

##### TDG Shipping Name

Synthetic Resin Liquid. Not Regulated.

#### AIR TRANSPORT (ICAO/IATA)

##### ICAO/IATA Shipping Name

Synthetic Resin Liquid. Not Regulated.

#### MARINE TRANSPORT (IMDG/IMO)

##### IMDG/IMO Shipping Name

Synthetic Resin Liquid. Not Regulated.

##### Marine Pollutant:

No

### SECTION 15: REGULATORY INFORMATION

#### Regulatory Information

Sara 302 Extremely Hazardous Substances: None.

Sara 313 Toxic Chemicals: None.

CERCLA Reportable Quantity: None.

### SECTION 16: OTHER INFORMATION

CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

#### Company Policy or Disclaimer

This Safety Data Sheet (SDS) is prepared by Epoxy Systems, Inc. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this SDS. This SDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

PREPERATION 03/02/2015