# SAFETY DATA SHEET

# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### MANUFACTURER:

Gougeon Brothers, Inc. 100 Patterson Ave. Bay City, MI 48706, U.S.A. Phone: 866-937-8797 or 989-684-7286 www.westsystem.com

### 2. HAZARDS IDENTIFICATION

### **Classification of Substance or Mixture**

Skin corrosion/irritation, Category 2 Skin sensitizer, Category 1 Eye damage/irritation, Category 2A Chronic aquatic toxicity, Category 2

### Label Elements

# Hazard Pictogram(s):



Signal Word: WARNING

### Hazard Statements:

H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H411 Toxic to aquatic life with long lasting effects

### **Precautionary Statements:**

 Prevention

 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

 P264 Wash hands thoroughly after handling.

 P272 Contaminated work clothing should not be allowed out of the workplace.

 P273 Avoid release to the environment.

 P280 Wear protective gloves/protective clothing/eye protection/face protection.

 Response

 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

 Continue rinsing.

 P333 + P313 If skin irritation or rash occurs: Get medical attention/advice.

 P362 + P364 Take off contaminated clothing and wash it before re-use.

 P391 Collect spillage.

 Disposal

P501 Dispose of contents/container in accordance with local, regional and international regulations.

### Other Hazards

# None known.

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS #	CONCENTRATION (%)
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	65-85
Phenol-Formaldehyde Polymer Glycidyl Ether	28064-14-4	10-30

### EMERGENCY TELEPHONE NUMBERS (24 HRS): Transportation

Non-transportation Poison Hotline: ...... 800-222-1222

Synthetic Amorphous, Pyrogenic Silica	112945-52-5	1-5

The exact chemical identity and/or exact percentage (concentration) of each ingredient may be held as confidential business information (CBI). Any ingredient not disclosed in this section may have been determined not to be hazardous to health or the environment, or it may be present at a level below its disclosure threshold.

# FIRST AID MEASURES

immediately with water for at least 15 minutes. Remove contact lenses if present and easy to do. Consult a physician as precautionary measure.

sensitization. RESPONSE: Remove contaminated clothing. Wipe excess from skin. Apply waterless skin cleaner and then wash with soap and water. Consult a physician if effects occur.

RESPONSE: Remove to fresh air if respiratory irritation occurs and keep comfortable for breathing.

ingested under normal conditions of use. RESPONSE: Seek medical attention if a significant amount is ingested.

### FIRE FIGHTING MEASURES

Direct water stream.

combustion products of varying composition which may be toxic and/or irritating. Combustion products may include, but are not limited to: phenolics, carbon monoxide, and carbon dioxide.

protective equipment. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat.

# ACCIDENTAL RELEASE MEASURES

appropriate safety and personal protective equipment as indicated in Section 8.

MITIGATION AND CLEAN UP PROCEDURES: ...... Stop leak without additional risk. Isolate area. Dike and absorb with inert material (e.g., sand) and collect in a suitable, closed container. Warm, soapy water or non-flammable, safe solvent may be used to clean residual.

ENVIRONMENTAL PRECAUTIONS:...... Prevent from entering into soil, ditches, sewers, waterways and groundwater. See Section 12 for environmental impact information.

# HANDLING AND STORAGE

moisture absorption and loss of volatiles. Excessive heat over long periods of time will degrade the resin.

HANDLING PRECAUTIONS: ...... Avoid all skin and eye contact. Wash thoroughly after handling. Launder contaminated clothing before reuse. Avoid inhalation of vapors from heated product. Precautionary steps should be taken when curing product in large quantities. When mixed with epoxy curing agents this product causes an exothermic, which in large masses, can produce enough heat to damage or ignite surrounding materials and emit fumes and vapors that vary widely in composition and toxicity.

### EXPOSURE CONTROLS/PERSONAL PROTECTION

exposures below established limits.

butyl rubber or natural rubber) and full body-covering clothing.

RESPIRATORY PROTECTION GUIDELINES: ...... When ventilation cannot be made adequate enough to keep exposures below established limits, use a NIOSH approved respirator with an organic vapor cartridge, or organic vapor cartridge + P100 particulate filter, depending on specific workplace conditions. Consult with your respirator and cartridge supplier to ensure proper selection of respirator and cartridge based on ingredients listed in Section 3 and specific workplace conditions. Use and select a respirator according the guidelines established in OSHA 1910.134 or other applicable respiratory protection standard.

contact. Avoid skin contact when removing gloves and other protective equipment. Wash thoroughly after handling. Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions.

### OCCUPATIONAL EXPOSURE LIMITS: ..... Exposure limits may not be established for this product as a whole. For established exposure limits of specific ingredients in this product, or other available exposure limit information, refer to the table below.

Ingredient Name	CAS#	Exposure Limit Information
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	No data available.
Phenol-Formaldehyde Polymer Glycidyl Ether	28064-14-4	No data available.
Synthetic Amorphous, Pyrogenic Silica	112945-52-5	Amorphous silica: OSHA PEL 6 mg/m <sup>3</sup> Dust and PNOS: ACGIH 10mg/m <sup>3</sup> , TWA, Inhalable; 3 mg/m <sup>3</sup> , TWA, Respirable; OSHA
		PEL 15 mg/m <sup>3</sup> , TWA, total dust; 5 mg/m <sup>3</sup> , TWA, Respirable

# PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Gel-paste.
COLOR:	
ODOR:	Mild.
ODOR THRESHOLD:	No data available
рН	No data available
MELTING POINT / FREEZING POINT	No data available
BOILING POINT (760mm/Hg):	> 400°F (204°C) Estimated based on ingredient data. >200°F (93°C) Based on ASTM D92 test results from similar product.
AUTO IGNITION TEMPERATURE	No data available
LOWER EXPLOSIVE LIMIT (LEL)	No data available
UPPER EXPLOSIVE LIMIT (UEL)	
VAPOR PRESSURE	
SPECIFIC GRAVITY/DENSITY (water = 1)	1.18
BULK DENSITY	9.9 lbs./gal. (1.18 kg/L)
VAPOR DENSITY (air = 1)	
EVAPORATIOIN RATE (Butyl Acetate = 1)	No data available
WATER SOLUBILITY (% BY WT.)	No data available
PARTITION COEFFICIENT, n-OCTANOL/WATER (log Pow)	No data available
KINEMATIC VISCOSITY:	
	ASTM D 2369-07 was used to determine the Volatile Content of mixed
epoxy resin and hardener. Refer to the hardener SDS for information	on about the total volatile content of the resin/hardener system.

# 10. STABILITY AND REACTIVITY

plus an aliphatic amine will cause irreversible polymerization with significant heat buildup. Strong acids, bases, amines and mercaptans can cause polymerization.

External heating or self-heating could result in rapid temperature increase and pressure build up. If such a condition were to occur in a drum, the drum could expand and rupture violently.

CONDITIONS TO AVOID: ...... Avoid excessive heat.

uncontrolled exothermic reactions or when otherwise heated to decomposition.

# 11. TOXICOLOGICAL AND HAZARD ENDPOINT INFORMATION

Component Name	CAS#	LD <sub>50</sub> Oral	LD <sub>50</sub> Dermal	LC <sub>50</sub> Inhalation
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	>15,000 mg/kg (rat)	>23,000 mg/kg (rabbit)	No data
Phenol-Formaldehyde Polymer Glycidyl Ether	28064-14-4	>2000 mg/kg	2000 mg/kg	No data
Synthetic Amorphous, Pyrogenic Silica	112945-52-5	>5000 mg/kg	>2000 mg/kg	No data

based on acute toxicity estimation methods using ingredient data.

Oral:	Not classified. Does not meet acute oral toxicity criteria.
Dermal:	Not classified. Does not meet acute dermal toxicity criteria.

- SERIOUS EYE DAMAGE / IRRITATION:...... Causes serious eye irritation. Category 2A.

Diglycidyl ether bisphenol-A in animal mutagenicity studies were negative. In vitro mutagenicity tests were negative in some cases and positive in others.

Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol-A. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that Diglycidyl ether bisphenol-A is carcinogenic. Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that Diglycidyl ether bisphenol-A is not classified as a carcinogen.

Epichlorohydrin, an impurity in this product (<5 ppm) has been reported to produce cancer in laboratory animals and to produce mutagenic changes in bacteria and cultured human cells. It has been established by the International Agency for Research on Cancer (IARC) as a probable human carcinogen (Group 2A) based on the following conclusions: human evidence – inadequate; animal evidence – sufficient. It has been classified as an anticipated human carcinogen by the National Toxicology Program (NTP). Note: It is unlikely that normal use of this product would result in measurable exposure concentrations to this substance.

SPECIFIC TARGET ORGAN TOXICITY (Single Exposure):.....Not classified. Does not meet STOT SE criteria.

SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure): ...... Not classified. Does not meet STOT RE criteria.

OTHER HEALTH HAZARD INFORMATION: ...... None known.

# 12. ECOLOGICAL INFORMATION

CHRONIC AQUATIC TOXICITY: ...... No specific test data available for the mixture. Calculated Estimate: Aquatic Chronic Category 2.

Estimate: Aquatio onionio oategory 2.

PERSISTANCE AND BIODEGRADABILITY: ..... No specific test data available for the mixture.

**ADDITIONAL ECOTOXICITY INFORMATION:**.....In the liquid, uncured state, this product may be harmful to aquatic life long lasting effects. Prevent release to the environment, sewers and natural waters.

Ingredient	CAS#	Ecotoxicity Classification Information
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	Aquatic Chronic Cat. 2
Phenol-Formaldehyde Polymer Glycidyl Ether	28064-14-4	Aquatic Chronic Cat. 2
Synthetic Amorphous, Pyrogenic Silica	112945-52-5	Not classified.

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:**......Evaluation of this product using RCRA criteria shows that it is not a hazardous waste, either by listing or characteristics, in its purchased form. It is the responsibility of the user to determine proper disposal methods.

Incinerate, recycle (fuel blending) or reclaim may be preferred methods when conducted in accordance with federal, state and local regulations.

# 14. TRANSPORTATION INFORMATION

# US DOT

UN NUMBER:	Not regulated.
SHIPPING NAME:	Not applicable.
TECHNICAL SHIPPING NAME:	
HAZARD CLASS:	Not applicable.
PACKING GROUP:	

# ICAO/IATA

UN NUMBER:	UN 3077.
	Environmentally hazardous substance, solid, n.o.s.
TECHNICAL SHIPPING NAME:	Epoxy Resin.
HAZARD CLASS:	Class 9.
PACKING GROUP:	PG III.
MARINE POLLUTANT:	Yes

# IMDG

UN NUMBER: UN 3077. SHIPPING NAME: Environmentally hazardous substance, solid, n.o.s. TECHNICAL SHIPPING NAME: Epoxy Resin. HAZARD CLASS: Class 9. PACKING GROUP: PG III. EmS Number: F-A, S-F MARINE POLLUTANT. Yes		
TECHNICAL SHIPPING NAME:	UN NUMBER:	. UN 3077.
TECHNICAL SHIPPING NAME:	SHIPPING NAME:	Environmentally hazardous substance, solid, n.o.s.
HAZARD CLASS:	TECHNICAL SHIPPING NAME:	. Epoxy Resin.
PACKING GROUP:PG III. EmS Number:		
EmS Number:		
MARINE FOLLOTANT		
		. 165

# 15. REGULATORY INFORMATION

COUNTRY	INVENTORY LIST	STATUS	
United States	TSCA	All ingredients are listed or otherwise compliant.	
Europe	EINECS or ELINCS	All ingredients are listed or otherwise compliant.	
Canada	CEPA (DSL/NDSL)	All ingredients are listed or otherwise compliant.	
Australia	AICS	All ingredients are listed or otherwise compliant.	
Japan	ENCS	All ingredients are listed or otherwise compliant.	
South Korea	KECI	All ingredients are listed or otherwise compliant.	
China	IECSC	All ingredients are listed or otherwise compliant.	
Philippines	PICCS	All ingredients are listed or otherwise compliant.	
New Zealand	NZIoC	All ingredients are listed or otherwise compliant.	

Canada WHMIS Confidential Business Information (CBI): ...... No data available.

# US EPA SARA TITLE III Reporting and Notification Requirements:

Subject to Section 302 (TPQ)	No data available.
	No data available.
Subject to Section 313	No data available.

# STATE REGULATORY INFORMATION:

Chemicals listed below may be specifically regulated by individual states. For details on state regulatory requirements you should contact the appropriate state agency.

COMPONENT NAME /CAS NUMBER Epichlorohydrin 106-89-8 < 15pp		STATE CODE
	< 15ppm	<sup>1</sup> CA

<sup>1.</sup> These substances are known to the state of California to cause cancer or reproductive harm, or both.

# 16. OTHER INFORMATION

REASON FOR ISSUE:	Approval date change.
PREPARED BY:	Gougeon Brothers, Inc.
SDS CONTACT:	safety@gougeon.com
TITLE:	Health, Safety & Environmental Manager
APPROVAL DATE:	January 3, 2022
SUPERSEDES DATE:	
SDS VERSION:	

OTHER HAZARD INFORMATION AND RATING SYSTEMS:

# HMIS® RATING

HEALTH:	2
FLAMMABILITY:	1
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend: 0 = Low or None; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

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