# SAFETY DATA SHEET

#### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1.

INTENDED PRODUCT USES: ...... Thickening agent for liquid epoxy resins. 

CHEMICAL FAMILY: ......Calcium metasilicate mineral, amorphous silica blend.

#### 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

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

Transportation

703-527-3887 (International)

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

#### HAZARDS IDENTIFICATION 2.

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

Skin Irritation, Category 2 Eye Irritation, Category 2B Carcinogenicity, Category 1A Specific target organ toxicity (repeated exposure), Category 1 Specific target organ toxicity (single exposure), Category 3

#### Label Elements

Hazard Pictogram(s):



Signal Word: DANGER

#### Hazard Statements:

H315 Causes skin irritation H320 Causes eye irritation H335 May cause respiratory irritation H350 May cause cancer H372 Causes damage to organs (lungs) through prolonged or repeated exposure **Precautionary Statements:** Prevention P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P260 Do not breathe dust P264 Wash skin thoroughly after handling P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well-ventilated area P280 Wear protective gloves/eye protection/protective clothing/face protection

P284 In case of inadequate ventilation wear respiratory protection Response P302 + P352 IF ON SKIN: Wash with plenty of water and soap P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308 + P313 If exposed or concerned: Get medical advice/attention P332 + P313 If skin irritation or rash occurs: Get medical attention/advice P337 + P313 If eye irritation persists: Get medical attention/advice P362 + P364 Take off contaminated clothing and wash it before reuse Storage P405 Store locked up Disposal P501 Dispose of contents and container according to local, state, national and International regulations

**Other Hazards** 

None known.

#### COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS #	CONCENTRATION (%)
Calcium metasilicate mineral (wollastonite)	13983-17-0	80-100
Siloxanes and silicones, di-Me, reaction products with silica	67762-90-7	5-10
Silicon Dioxide (quartz, crystalline silica)	14808-60-7	0.1-1.5

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

and tearing. RESPONSE: Flush with water for at least 15 minutes. Remove contact lenses if present and easy to do. Consult a physician as a precautionary measure if symptoms develop and persist.

RESPONSE: Wash with mild soap and water.

irritation or shortness of breath due to temporary lung overload. RESPONSE: Remove to fresh air if symptoms develop and keep comfortable for breathing. Seek medical advice is symptoms persist.

RESPONSE: Seek medical attention if a significant amount is ingested.

#### FIRE FIGHTING MEASURES

combustion. Choose an extinguishing agent suitable for the surrounding fire.

FIRE AND EXPLOSION HAZARDS: ...... The majority composition of this product will not support combustion. Not expected to form a combustible dust concentration in the air.

protective equipment. Dust may form an explosive mixture in the air, possibly resulting in a secondary explosion.

#### ACCIDENTAL RELEASE MEASURES

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

MITIGATION AND CLEAN UP PROCEDURES: ...... Use methods that avoid generating airborne dust. Use a vacuum with high efficiency particulate air (HEPA) filtration is recommended. Avoid creating a dust cloud by brushing or sweeping, or using compressed air. Spilled material may cause slippery conditions when wet.

ENVIRONMENTAL PRECAUTIONS:...... Contain spilled product to the extent practical and feasible.

#### HANDLING AND STORAGE

STORAGE TEMPERATURE (min./max.): ...... 0°F (-17°C) / 100°F (38°C)

absorption or absorption of other volatile materials.

HANDLING PRECAUTIONS: ...... Avoid dust formation. Do not breathing dust. Wash after handling. Provide appropriate exhaust ventilation at points of operation where dust can be generated. If excessive dust is generated respiratory protection may be necessary. Avoid using compressed air.

# EXPOSURE CONTROLS/PERSONAL PROTECTION

exposures below established limits.

**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
Calcium metasilicate mineral (wollastonite)	13983-17-0	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
Siloxanes and silicones, di-Me, reaction products with silica	67762-90-7	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
Silicon Dioxide (quartz, crystalline silica)	14808-60-7	OSHA PEL: Respirable 0.050 mg/m <sup>3</sup> . NIOSH: TWA, Respirable 0.050 mg/m <sup>3</sup> . ACGIH TLV: Respirable 0.025 mg/m <sup>3</sup> . Potential Occupational Carcinogen. See Appendix A. Substance listed in OSHA – Tabel Z-1. For more information see OSHA document 1910.1053.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	
COLOR:	
ODOR:	
ODOR THRESHOLD:	No data available
рН	No data available
MELTING POINT / FREEZING POINT	Melting point > 1000°C / Will not freeze.
BOILING POINT (760mm/Hg):	No data available
FLASH POINT:	
AUTO IGNITION TEMPERATURE	No data available
LOWER EXPLOSIVE LIMIT (LEL)	No data available
UPPER EXPLOSIVE LIMIT (UEL)	No data available
VAPOR PRESSURE	No data available
SPECIFIC GRAVITY/DENSITY (water = 1)	2.45-2.96
BULK DENSITY	Loose 2.45 (lbs./gal.); Tapped 3.37 (lbs./gal.); Packed 5.29 (lbs./gal.)
VAPOR DENSITY (air = 1)	No data available
EVAPORATIOIN RATE (Butyl Acetate = 1)	No data available
WATER SOLUBILITY (% BY WT.)	Only slightly soluble
PARTITION COEFFICIENT, n-OCTANOL/WATER (log Pow)	No data available
KINEMATIC VISCOSITY:	
DECOMPOSITION TEMPERATURE:	No data available.
% VOLATILE BY WEIGHT:	Not applicable.
EXPLOSIVE PROPERTIES:	Not applicable. The majority components of this product will not support
combustion.	
Kst VALUE:	No data available
MAXIMUM EXPLOSION PRESSURE (Pmax)	No data available
MINIMUM IGNITION ENERGY (MIE):	
MAXIMUM EXPLOSION CONCENTRATION (MEC):	No data available
DUST EXPLOSION CLASSIFICATION:	No data available

#### 10. STABILITY AND REACTIVITY

STABILITY:	Product is stable at normal temperatures and pressures.
REACTIVITY/HAZARDOUS REACTIONS:	Product will not react by itself.
INCOMPATIBILITIES:	None known.
CONDITIONS TO AVOID:	Avoid excessive airborne dust formation.

### DECOMPOSITION PRODUCTS: ...... None known.

## 11. TOXICOLOGICAL AND HAZARD ENDPOINT INFORMATION

Component Name	CAS#	LD <sub>50</sub> Oral	LD <sub>50</sub> Dermal	LC <sub>50</sub> Inhalation
Calcium metasilicate mineral	13983-17-0	No data	No data	No data
Siloxanes and silicones, di-Me, reaction products with silica	67762-90-7	>5000 mg/kg OECD 401	>2000 mg/kg OECD 402	No data
Silicon Dioxide (quartz, crystalline silica)	14808-60-7	No data	No data	No data
ACUTE TOXICITY: based on acute toxicity estimation methods using ing Oral:	redient data.	t classified. Does not m	neet acute oral toxicity	/ criteria.
Dermal: Inhalation:				
SKIN CORROSION / IRRITATION:				•
SERIOUS EYE DAMAGE / IRRITATION				
irritation or abrasion.				
	Nc	t classified. Does not m	neet criteria for respira	atory sensitizer.
SKIN SENSITIZATION:	Nc	t classified. Does not m	neet criteria for skin se	ensitization.
	Nc	t classified. Does not m	neet criteria for reprod	luctive toxicity.
MUTAGENICITY:	No	t classified. Does not m	neet criteria for mutag	enicity.
CARCINOGENICITY: (quartz). Crystalline silica (quartz) is classified by IAR (quartz) is classified by NTP as Known to be carcinog OSHA as a carcinogen.	C as a Group 1, Ca	cinogenic to humans, t	based on human evide	ence. Crystalline silica
This product may contain respirable crystalline silica	at lovels <1.5% Chr	onic health risks are as	appiated with avappau	na ta naaninahla namialaa
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Calcium metasilicate mineral	13983-17-0	No data available.
Siloxanes and silicones, di-Me, reaction products with silica	67762-90-7	No data available.
Silicon Dioxide (quartz, crystalline silica)	14808-60-7	No data available.

### 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.

Recycle or reclaim may be preferred methods when conducted in accordance with federal, state and local regulations.

#### 14. TRANSPORTATION INFORMATION

US DOT (49 CFR) Non-Bulk	
UN NUMBER:	Not regulated.
SHIPPING NAME:	Not applicable.
TECHNICAL SHIPPING NAME:	
HAZARD CLASS:	
PACKING GROUP:	Not applicable.

#### CANADA TDG

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

#### ICAO/IATA

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

#### IMDG

UN NUMBER:	Not regulated.
SHIPPING NAME:	
TECHNICAL SHIPPING NAME:	
HAZARD CLASS:	
PACKING GROUP:	
EmS Number:	
MARINE POLLUTANT	

#### 15. REGULATORY INFORMATION

COUNTRY	INVENTORY LIST	STATUS	
United States	TSCA	Components are listed or otherwise compliant.	
Europe	EINECS or ELINCS	Components are listed or otherwise compliant.	
Canada	CEPA (DSL/NDSL)	Components are listed or otherwise compliant.	
Australia	AICS	Components are listed or otherwise compliant.	
Japan	ENCS	Components are listed or otherwise compliant.	
South Korea	KECI	Components are listed or otherwise compliant.	
China	IECSC	Components are listed or otherwise compliant.	
Philippines	PICCS	Components are listed or otherwise compliant.	
New Zealand	NZIoC	Components 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) Not	regulated.
Subject to Section 304 (RQ) Not	regulated.
Subject to Section 311 or 312 Refe	er to the health and physical classifications in section 2.
Subject to Section 313 Not	regulated

### 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 Amorphous silica 7631-86-9 or 67762-90-7 Quartz, respirable 14808-60-7

STATE CODE

PA, NJ, MA

<sup>1</sup>CA, PA, NJ, MA

<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:	
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:	1
FLAMMABILITY:	0
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	



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

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