

# WEST SYSTEM® 404 High-Density Filler

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Issue date: 01/15/2019

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Version: 404-2020a

### SECTION 1: Identification

#### Identification

**Product form** : Mixture  
**Product name** : WEST SYSTEM® 404 High-Density Filler  
**Product code** : 404, 404-15, 404-45, 404-B

#### Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** : Thickening agent for liquid epoxy resins.

#### Details of the supplier of the safety data sheet

##### Manufacturer

Gougeon Brothers, Inc  
100 Patterson Ave.  
Bay City, MI 48706 - U.S.A.  
T 888-377-6738 or 989-684-7286  
[www.prosetepoxy.com](http://www.prosetepoxy.com)

##### Distributor

#### Emergency telephone number

**Emergency number** : CHEMTREC 1 (800) 424-9300  
CHEMTREC International +1 (703) 527-3887 24 hr

### SECTION 2: Hazard identification

#### Classification of the substance or mixture

Skin Irrit. 2  
Eye Irrit. 2B  
Carc. 1A  
STOT SE 3  
STOT RE 1

#### Label elements

##### Hazard pictograms (GHS)



GHS07

GHS08

##### Signal word (GHS)

Danger

##### Hazard statements (GHS)

Causes skin irritation. Causes eye irritation. May cause cancer. May cause respiratory irritation. Causes damage to organs (lungs) through prolonged or repeated exposure.

##### Precautionary statements (GHS)

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### Other hazards

No additional information available

#### Unknown acute toxicity

Not applicable

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### SECTION 3: Composition/information on ingredients

#### Substances

Not applicable

#### Mixtures

Name	Product identifier	HPR %
Wollastonite (Ca(SiO <sub>3</sub> ))	(CAS-No.) 13983-17-0	80 - 100
Dimethyl silicone polymer with silica	(CAS-No.) 67762-90-7	5 -10
Quartz	(CAS-No.) 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. Refer to Section 15 for additional information regarding this CBI claim.

### SECTION 4: First-aid measures

#### Description of first aid measures

- First-aid measures after inhalation** : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact** : IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion** : Get medical advice/attention if you feel unwell. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation** : May cause respiratory irritation.
- Symptoms/effects after skin contact** : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/effects after eye contact** : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/effects after ingestion** : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Chronic symptoms** : May cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure.

#### Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### SECTION 5: Fire-fighting measures

#### Extinguishing media

- Suitable extinguishing media** : Foam. Carbon dioxide. Dry chemical. Water fog. Water spray.
- Unsuitable extinguishing media** : Do not use a heavy water stream.

#### Special hazards arising from the substance or mixture

- Fire hazard** : Products of combustion may include, and are not limited to: oxides of carbon.
- Reactivity** : No dangerous reactions known under normal conditions of use.

#### Advice for firefighters

- Protection during firefighting** : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Dust may form explosive mixture in air.

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

- General measures** : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### For non-emergency personnel

No additional information available

#### For emergency responders

No additional information available

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### Environmental precautions

Prevent entry to sewers and public waters.

### Methods and material for containment and cleaning up

**For containment** : Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for cleaning up** : Vacuum or sweep material and place in a disposal container. Avoid dust formation. Provide ventilation. Spill area may be slippery. Do not use compressed air for cleaning.

### Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### Precautions for safe handling

**Precautions for safe handling** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Good housekeeping is important to prevent accumulation of dust. Wear protective clothing.

**Hygiene measures** : Take off contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage conditions** : Keep out of the reach of children. Keep container tightly closed, dry and in a well-ventilated place. Protect from moisture. Store locked up.

**Storage temperature** : 0 – 100 °F (-17 - 38 °C)

## SECTION 8: Exposure controls/personal protection

### Control parameters

Wollastonite (Ca(SiO <sub>3</sub> )) (13983-17-0)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica) 3 mg/m <sup>3</sup> (Respirable)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable)
Dimethyl silicone polymer with silica (67762-90-7)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Inhalable) 3 mg/m <sup>3</sup> (Respirable)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (Amorphous silica) 15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable)
Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (Respirable)
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (Respirable)
OSHA	Remark (OSHA)	Potential Occupational Carcinogen. See Appendix A. Substance listed in OSHA – Tabel Z-1. For more information see OSHA document 1910.1053.
IDLH	US IDLH (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> (Respirable)
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (Respirable)

### Exposure controls

**Appropriate engineering controls** : Ensure good ventilation of the work station.

**Hand protection** : Wear suitable gloves resistant to chemical penetration.

**Eye protection** : Wear eye/face protection.

**Skin and body protection** : Wear suitable protective clothing.

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<b>Respiratory protection</b>	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Environmental exposure controls</b>	: Avoid release to the environment.
<b>Other information</b>	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Physical state</b>	: Solid
<b>Appearance</b>	: Powder
<b>Colour</b>	: Off-white
<b>Odour</b>	: None
<b>Odour threshold</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point</b>	: > 1832 °F (1000 °C) Will not freeze
<b>Freezing point</b>	: No data available
<b>Boiling point</b>	: No data available
<b>Flash point</b>	: No data available
<b>Relative evaporation rate (butylacetate=1)</b>	: No data available
<b>Flammability (solid, gas)</b>	: Not flammable
<b>Vapour pressure</b>	: No data available
<b>Relative vapour density at 20 °C</b>	: No data available
<b>Relative density</b>	: 2.45 – 2.96
<b>Solubility</b>	: Slightly soluble.
<b>Partition coefficient n-octanol/water</b>	: No data available
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Viscosity, kinematic</b>	: No data available
<b>Viscosity, dynamic</b>	: No data available
<b>Explosive limits</b>	: No data available
<b>Explosive properties</b>	: Not applicable. The majority components of this product will not support combustion.
<b>Oxidising properties</b>	: No data available
<b>Other information</b>	
<b>Bulk density</b>	: Loose: 2.45 lbs/gal Tapped: 3.37 lbs/gal Packed: 5.29 lbs/gal

### SECTION 10: Stability and reactivity

<b>Reactivity</b>	: No dangerous reactions known under normal conditions of use.
<b>Chemical stability</b>	: Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	: No dangerous reactions known under normal conditions of use.
<b>Conditions to avoid</b>	: Heat. Avoid dust formation.
<b>Incompatible materials</b>	: None known.
<b>Hazardous decomposition products</b>	: May include, and are not limited to: oxides of carbon.

### SECTION 11: Toxicological information

#### Information on toxicological effects

Dimethyl silicone polymer with silica (67762-90-7)	
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rabbit	> 2000 mg/kg OECD 402

<b>Acute toxicity (oral)</b>	: Not classified.
<b>Acute toxicity (dermal)</b>	: Not classified.

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<b>Acute toxicity (inhalation)</b>	: Not classified.
<b>Skin corrosion/irritation</b>	: Causes skin irritation.
<b>Serious eye damage/irritation</b>	: Causes eye irritation.
<b>Respiratory or skin sensitization</b>	: Not classified.
<b>Germ cell mutagenicity</b>	: Not classified.
<b>Carcinogenicity</b>	: May cause cancer.

<b>Wollastonite (Ca(SiO<sub>3</sub>)) (13983-17-0)</b>	
IARC group	3 - Not classifiable

<b>Quartz (14808-60-7)</b>	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
In OSHA Hazard Communication Carcinogen list	Yes

<b>Reproductive toxicity</b>	: Not classified.
<b>STOT-single exposure</b>	: May cause respiratory irritation.
<b>STOT-repeated exposure</b>	: Causes damage to organs (lungs) through prolonged or repeated exposure.
<b>Aspiration hazard</b>	: Not classified.
<b>Symptoms/effects after inhalation</b>	: May cause respiratory irritation.
<b>Symptoms/effects after skin contact</b>	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
<b>Symptoms/effects after eye contact</b>	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
<b>Symptoms/effects after ingestion</b>	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Other information</b>	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### Toxicity

<b>Ecology - general</b>	: May cause long-term adverse effects in the aquatic environment.
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### Persistence and degradability

<b>WEST SYSTEM® 404 High-Density Filler</b>	
Persistence and degradability	Not established.

### Bioaccumulative potential

<b>WEST SYSTEM® 404 High-Density Filler</b>	
Bioaccumulative potential	Not established.

### Mobility in soil

<b>WEST SYSTEM® 404 High-Density Filler</b>	
Ecology - soil	No additional information available.

### Other adverse effects

<b>Other information</b>	: No other effects known.
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<b>Ingredient</b>	<b>CAS-No.</b>	<b>Ecotoxicity Classification Information</b>
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.

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### SECTION 13: Disposal considerations

#### Waste treatment methods

- Product/Packaging disposal recommendations** : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- Additional information** : The generation of waste should be avoided or minimised wherever possible.

### SECTION 14: Transport information

#### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

Not regulated

#### Transport by sea

In accordance with IMDG

Not regulated

Marine pollutant : No

#### Transport by air

In accordance with IATA

Not regulated

Marine pollutant : No

### SECTION 15: Regulatory information

#### Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

#### Dimethyl silicone polymer with silica (67762-90-7)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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Canada WHMIS Confidential Business Information (CBI): No data available

#### International regulations

No additional information available

#### US State regulations

**⚠ WARNING:** This product can expose you to Quartz, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### Quartz (14808-60-7)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	

#### Quartz (14808-60-7)

U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
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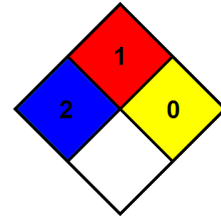
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### SECTION 16: Other information

**Issue date** : 01/15/2019  
**Revision date** : 02/10/2020  
**Version** : 404-2020a  
**Other information** : None.

**NFPA health hazard** : 2  
**NFPA fire hazard** : 1  
**NFPA reactivity** : 0



**Hazard Rating**  
**Health** : 2 Moderate Hazard  
\*  
**Flammability** : 1 Slight Hazard  
**Physical** : 0 Minimal Hazard

Indication of changes:

Composition/information on ingredients. GHS classification. SDS update.

*Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.*