



**US Department of Labor  
Occupational Safety and Health Administration**  
This **MSDS** Complies with 29 CFR 1910.1200  
(THE HAZARDOUS COMMUNICATION STANDARD)

Form: SFL-0001

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**IDENTIFY (AS USED ON LABELS AND LISTS):**

Conformat & Surmat - Glass Fiber Products

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**SECTION I --- COMPANY IDENTIFICATION**

MANUFACTURER'S NAME:	Superior Fibers, LLC	Original: 18 Jan 2008 Rev: Jan. 2015
ADDRESS:	499 North Broad Street Bremen, Ohio 43107-0089	SUPERSEDES: All Others

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TELEPHONE NUMBER FOR INFORMATION: 001 (740) 569-4175

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EMERGENCY TELEPHONE NUMBER: 001 (740) 569-4175

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**SECTION II ---- INGREDIENTS / IDENTITY INFORMATION**

**HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME (S)):**

“A-type chemical composition\*” Glass Fibers; Lead and Boron free; 24-26 micron average diameter - 92% (typical content) Continuous Filament – Non Respirable)  
CAS # 65997-17-3

Organic Surface Binder (Thermoset Polyester) - 8% (typical content) CAS# NA

\*A glass is composed primarily of oxides of silicon, sodium, calcium and aluminum, fused in an amorphous vitreous state.

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**SECTION III ---- HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:** Fiberglass may cause mechanical irritation to the skin of those individuals that exhibit acute sensitivity. Eye and upper respiratory tract irritation can also occur without proper protection.

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**Precautions:** Avoid contact with eyes. Avoid contact with skin. Avoid breathing dust. Do not take internally. Do not eat, drink, or smoke in work areas. Wash thoroughly after handling.  
[If applicable], fiberglass needled mat products may contain broken steel needles, which can cause physical injury during handling.

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## SECTION IV ---- FIRST AID MEASURES

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**INHALATION:** Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment information.

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**EYE/SKIN CONTACT: EYE:** Remove contact lens and pour a stream of warm water through the effected eye for at least 15 minutes. If irritation persists, contact a poison control center, emergency room, or physician as further treatment may be necessary.

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**SKIN:** run a gentle stream of water over the effected area for 15 minutes. A mild soap may be used if available. If symptoms persist, contact a poison control center, emergency room, or physician as further treatment may be necessary. If glass fiber becomes imbedded, seek medical attention.

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**INGESTION:** Gently wipe or rinse the inside of the mouth with water. Sips of water can be given. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Contact a poison control center, emergency room or physician for treatment information.

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## SECTION V ---- FIRE – FIGHTING MEASURES

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**INCOMPATIBILITY (MATERIALS TO AVOID):** None

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**HAZARDOUS DECOMPOSITION:** Will not occur

In a sustained fire, proper protection against products of combustion from fuel and sizing/binder must be worn. Byproducts of combustion would be CO, CO<sub>2</sub>, Carbon Particulate, and Glass Fibers

**EXTINGUISHING MEDIA:** Use extinguishers appropriate for the surrounding area, paying close attention to any electrical equipment or dissimilar combustibles stored in adjacent areas.

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## SECTION VI ---- ACCIDENTAL RELEASE MEASURES

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**ACTION TO BE TAKEN:** Sweep or gather material and place in a proper container for disposal or recovery. To inhibit the spread of dust, use a vacuuming device or wet sweeping method instead of dry sweeping.

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## SECTION VII ---- HANDLING AND STORAGE

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** For optimum performance store in areas at or below 25 degrees C (77 F) with relative humidity less than 65%. Material may build static charge if stored in loose polyethylene packaging.

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**OTHER PRECAUTIONS:** Wear protective clothing, gloves and eye protection.

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## SECTION VIII ---- EXPOSURE CONTROLS / PERSONAL PROTECTION MEASURES

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N/A = Not Applicable

**EXP. LIMITS:** 8 HOUR Time Weighted Average [TWA] 15 Minute Short Term Exposure [STEL]

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OSHA: 15 mg/m<sup>3</sup> TWA. (Total Dust) – 5 mg/m<sup>3</sup> TWA. (Respirable Dust)

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ACGIH: 5 mg/m<sup>3</sup> TWA. Inhalable Fraction) – 1 fiber/cm<sup>3</sup> TWA (Respirable Fraction)

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**RESPIRATORY PROTECTION (SPECIFY TYPE):** Wear a dust mask to filter inhalation if cutting, sanding, or grinding products that contain glass fibers.

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**VENTILATION LOCAL EXHAUST:** Yes

**MECHANICAL (GENERAL):** Yes

**SPECIAL:** N/A

**OTHER:** N/A

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**PROTECTIVE CLOTHING OR EQUIPMENT:**

GLOVES: Mandatory impervious gloves

EYE PROTECTION: Yes, avoid any eye contact – Side shields on all eyeglasses, recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required. Barrier creams can be of help to ultra sensitive individuals. Recommend long sleeve, loose fitting, shirts be worn by sensitive individuals. It is recommended to wash work clothing separate from other laundry. Rinse washer at the end of a cycle.

**WORK / HYGIENIC PRACTICES:**

Follow normal work / hygienic practices. Avoid using compressed air for work area clean-up. Recommend using wet sweep or filtered vacuum .

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**SECTION IX --- PHYSICAL AND CHEMICAL PROPERTIES N/A = Not Applicable**

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BOILING POINT: ..... N/A  
VAPOR DENSITY (AIR=1): ..... N/A  
SPECIFIC GRAVITY (WATER=1): .. 2.5 – 2.6 (Bare Glass)  
PH: ..... N/A  
FREEZING/MELTING POINT: ..... ± 1200 Degrees F (650 Degrees C)  
SOLUBILITY: (wt.% in water): ..... Insoluble  
BULK DENSITY (kg/M3): ..... N/A  
VOLUME % VOLATILE: ..... None  
VAPOR PRESSURE: ..... N/A  
EVAPORATION RATE: ..... N/A  
HEAT OF SOLUTION: ..... N/A  
PHYSICAL STATE: ..... Solid  
ODOR: ..... None  
COLOR: ..... Ivory to White

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**SECTION X --- STABILITY AND REACTIVITY**

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STABILITY: ..... Stable  
HAZARDOUS POLYMERIZATION: ..... Will Not Occur  
INCOMPATIBILITY (conditions to avoid): ..... None Known  
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

Fiberglass alone will not burn. But smoking of the binder/sizing content of the product may occur in temperature environments exceeding ± 400 Degrees F (205 Degrees C). These same ingredients will release carbon monoxide and carbon dioxide in a sustained fire situation. Additional trace ingredient releases can occur under similar circumstances but cannot be predicted as they may vary in each situation.

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**SECTION XI --- TOXICOLOGICAL INFORMATION**

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CARCINOGENICITY STATUS: This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA

MEDICAL CONDITIONS AGGREGATED: None known.

**EFFECTS OF OVEREXPOSURE:**

- ACUTE: EYE: Dusts from this product can cause temporary mechanical irritation to the eyes.
- SKIN: Dusts from this product may cause temporary mechanical irritation to the skin.
- INHALATION: Dusts from this product may cause mechanical irritation of the nose, throat and respiratory tract.

CHRONIC: There are no known health effects from the long term use or contact with **nonrespirable** continuous filament glass fibers. As manufactured, SUPERIOR FIBERS, LLC glass fibers are **nonrespirable**. **Nonrespirable** fibers cannot reach the deep lung because they have a fiber diameter greater than 3.5 micrometers. Fibers of this diameter are unable to penetrate the narrow and bending passages of the human respiratory tract, and therefore cannot possibly cause serious pulmonary damage. Loose fibers will deposit on the surfaces of the

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upper respiratory tract, nose, or pharynx. These fibers are then expelled through normal physiological mechanisms.

Chopped, crushed or severely mechanically processed fiber glass may contain a very small amount of **respirable** glass fibers that could possibly reach deep lung areas. The measured airborne concentration of these **respirable** fibers in areas where noted processing has occurred, has been shown to be extremely low and well below the TLV. Repeated or prolonged exposure to **respirable** glass fibers may cause fibrosis, lung cancer and mesothelioma. Superior Fibers, LLC fiber glass products in the form supplied does not contain respirable fibers.

Epidemiology Studies: Two major studies, in the US (performed by the University of Pittsburgh) and in Europe (performed by the International Agency for Research on Cancer) showed no increase in lung cancer or respiratory disease among people working in fiber glass production facilities. An additional smaller study performed in Canada also did not show an association between exposure of workers to fiber glass and respiratory cancer.

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## SECTION XII --- ECOLOGICAL INFORMATION

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ECOTOXICOLOGICAL INFORMATION: Fiberglass itself is considered to be an inert solid waste. No special precautions are needed in case of a release or spill.

ENVIRONMENTAL FATE: No data at this time.

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## SECTION XIII --- DISPOSAL CONSIDERATIONS

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DISPOSAL METHOD: Waste material must be disposed of in accordance with all governmental rules and regulations. Empty containers and packaging materials should be recycled or disposed of through an approved waste management facility.

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## SECTION XIV --- TRANSPORT INFORMATION

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PROPER SHIPPING NAME: Not Regulated

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## SECTION XV --- REGULATORY INFORMATION N/A = Not Applicable

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USA TSCA: This product(s) is considered as exempt from TSCA requirements.

EU EINECS: This product(s) is considered as exempt from EINECS requirements.

CANADA DOMESTIC SUBSTANCES LIST (DSL): This product(s) is considered an article and is exempt from DSL requirements.

AUSTRALIA AICS: This product is an article and is exempt from the Australian Inventory of Chemical Substances.

KOREA ECL: This product is considered an article and is exempt from the Korean Existing Chemicals Inventory, KECI, requirements.

JAPAN MITI (ENCS): This product is considered an article and is exempt from the Japanese Existing Chemical Substances (ENCS) requirements.

PHILIPPINES PICCS: This product is considered an article and is exempt from the Philippines Inventory of Chemicals and Chemical Substances, PICCS.

CHINA IECSC: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or otherwise exempt.

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SARA TITLE III: SARA (311. 312) Hazardous Class: N/A

SARA (313) Chemicals: Not Listed

SARA Extremely Hazardous Substances: Not Listed

CERCLA HAZARDOUS SUBSTANCES: Not Listed

CANADA REGULATIONS (WHIMIS): N/A

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## **SECTION XVI --- OTHER INFORMATION**

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These products do not contain, nor are they manufactured with, Class 1 or Class II Ozone-Depleting Chemicals (CFCs) identified in the Clear Air Act Amendment, 1990 List of Ozone Depleting Chemicals.

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**The information contained herein is believed to be true and accurate, but is not warranted to be, whether originating with the company or not. Customers are advised to confirm that the information is current, applicable and suitable to their circumstances.**