

# SAFETY DATA SHEET

Date Issued : 05/31/2019  
Date Revised : 08/15/2019

## SILICA FABRICS

### 1. PRODUCT IDENTIFICATION

**PRODUCT:** Silica Fabric

**SYNONYMS:** Style 84, Style 188

**DISTRIBUTOR:** GLT PRODUCTS  
6810 COCHRAN ROAD  
SOLOH OH 44139

**Health and Technical Contacts:**  
1-800-874-1748 (8:00 am to 5:00 pm ET, weekdays)

**INFORMATION CONTACT:** 1-800-874-1748 (8:00 am to 5:00 pm ET, weekdays)

**EMERGENCY PHONE NUMBER:** 1-800-874-1748 (M-F 8:30 to 5:00)

**DESCRIPTION:** No Hazard Rating is available for this product.

### 2. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW**

Off-white or tan colored flexible woven fabric with no odor.

**EFFECTS OF OVEREXPOSURE:**

**EYE CONTACT:** Slight irritation may be caused in contact with eyes.

**SKIN CONTACT:** Temporary irritation of skin may be produced.

**INHALATION:** Inhalation of airborne fibers may cause irritation to the mouth, nose and throat.

**INGESTION:** May cause temporary irritation of the digestive tract, but not an expected route of entry in industrial uses.

**CHRONIC HAZARDS:** There is no known chronic health effects associated with the use of this product under normal working conditions.

**PRIMARY ROUTES OF ENTRY:** Skin contact, inhalation, ingestion & eye contact.

**CARCINOGENICITY INFORMATION:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as carcinogen.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients(s)	CAS Number	Approx. Percent
Amorphous Silica	CAS #7631-86-9	96%
Proprietary Surface Finish Triethylene Amine	121-44-8	<0.2%

### 4. FIRST AID MEASURES

**EYE CONTACT:** Flush eyes immediately with large amounts of water for at least 15 minutes holding eyelids open while flushing. Seek medical attention promptly.

**SKIN CONTACT:** Wash contaminated skin thoroughly with mild soap and cool water. Seek medical attention if irritation persists.

**INHALATION:** Remove person from source of exposure and then seek medical attention immediately.

**INGESTION:** Seek medical attention immediately.

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### 5. FIREFIGHTING MEASURES

**FLASH POINT:** N.A.

**LOWER EXPLOSIVE LIMIT (%):** N.A.

**UPPER EXPLOSIVE LIMIT (%):** N.A.

**AUTOIGNITION TEMPERATURE:** N.D.

**EXTINGUISHING MEDIA:** Carbon dioxide, water, foam or dry chemical for type of surrounding fire.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** During sustained fire irritating and/or toxic gases may be generated by combustion.

**FIRE FIGHTING INSTRUCTIONS:** Wear full fire fighting protective equipment including self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

#### STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant.

Dispose according to federal, state, and local environmental regulations.

### 7. HANDLING AND STORAGE

Keep material in a clean dry place, and keep container closed.

Particular care should be taken when working with "used" material to minimize dust. If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### ENGINEERING CONTROLS:

**VENTILATION:** General ventilation and/or local exhaust ventilation are adequate.

**RESPIRATORY PROTECTION:** Respirators are not necessary under normal working conditions.

**EYE PROTECTION:** Eye protection is not necessary under normal working conditions.

**PROTECTIVE CLOTHING:** Protective Clothing is not necessary under normal working conditions.

**HYGIENIC PRACTICES:** Use good personal hygiene practices.

#### EXPOSURE LIMITS:

##### AMORPHOUS SILICA

**PEL (OSHA):** 80mg/m<sup>3</sup> ÷ % SiO<sub>2</sub> or 20 mppcf

**TLV (ACGIH):** 10 mg/m<sup>3</sup> (inhalable fraction); 3 mg/m<sup>3</sup> (respirable fraction)

**NIOSH:** 6 mg/m<sup>3</sup>

**IDHL:** 3000 mg/m<sup>3</sup>

**PROPRIETARY SURFACE FINISH:** This product is not considered hazardous as defined by 29 CFR 1910.1200 (OSHA Hazcom Standard)

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### PHYSICAL DATA:

**BOILING POINT:** 4046° F

**MELTING POINT:** >3000° F

**SOLUBILITY IN WATER:** Insoluble

**VAPOR PRESSURE:** N.D.

**VAPOR DENSITY:** N.D.

**SPECIFIC GRAVITY:** 2.2

**COLOR:** Off-white or tan colored

**ODOR:** None

**PHYSICAL STATE:** Woven Fabric

### 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Product is stable at normal temperature and storage conditions.

**INCOMPATIBILITIES:** Basic phosphates, hydrofluoric acid, and some oxides and hydroxides.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur under normal conditions.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS (COATING ONLY):** Oxidation of the coating produces carbon monoxide and carbon dioxide.

### 11. TOXICOLOGICAL INFORMATION

Material which has been subjected to elevated temperatures (>1800°F) may undergo partial conversion to cristobalite, a form of crystalline silica, which may cause respiratory illness. The amount of cristobalite present will depend on the temperature and length of service. The OSHA PEL for cristobalite is 0.05 mg/m<sup>3</sup> (respirable).

### 12. ECOLOGICAL INFORMATION

No information is available; however, toxicity is expected to be low based on the insolubility in water of the product.

### 13. DISPOSAL CONSIDERATIONS

Dispose of waste material in accordance with applicable federal, state, and local environmental regulations. This material is not regulated under RCRA hazardous waste regulations.

### 14. TRANSPORT INFORMATION

**DOT HAZARDOUS CLASS:** None

**DOT UN/NA NUMBER:** None

**EMERGENCY RESPONSE GUIDE NUMBER:** None

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### 15. REGULATORY INFORMATION

U.S. Federal Regulations as follows:

**SARA SECTION 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372: None.

**TSCA:** The chemical substances in this product are on the TSCA Section 8 Inventory.

**EXPORT NOTIFICATION:** This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: None.

**INTERNATIONAL REGULATIONS:** AS FOLLOWS:

**CANADIAN WHMIS:** This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**CANADIAN WHMIS CLASS:** Not Regulated.

### 16. OTHER INFORMATION

This Material Safety Data Sheet was revised in its entirety in May 2019.

**ABBREVIATIONS:**

**ACGIH:** American Conference of Governmental Industrial Hygienists

**OSHA:** Occupational Safety and Health Administration

**NIOSH:** National Institute of Occupational Safety and Health

**IARC:** International Agency for Research on Cancer

**NTP:** National Toxicology Program

**TLV:** Threshold Limit Value

**PEL:** Permissible Exposure Limit

**TWA:** Time Weighted Average

**STEL:** Short Term Exposure Limit

**IDHL:** Immediately Dangerous to Life or Health

**N.A.:** Not Applicable

**N.D.:** Not Determined

**N.E.:** Not Established

**DSL:** Domestic Substances List

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