

Material Safety Data Sheet
Flexsil Mesh Fabric, Shrunk
AMETEK
Specialty Chemical Products Division

Prepared 2/06
Revision 2

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Section 1 --- Chemical Product and Company Identification

Trade Name: Flexsil Mesh Fabric, Shrunk

Manufacturer: AMETEK Chemical Products Division
42 Mountain Avenue
Nesquehoning, PA 18240
Emergency Telephone No.: Chemtrec (800) 424-9300

Section 2 --- Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS NO.</u>	<u>% Comp.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Amorphous Silica	7631-86-9	92-98	80 mg/m ³	None

Section 3 --- Hazard Information

Appearance and Odor: White-colored flexible mesh fabric with no odor.

HMIS Rating: No hazard rating is available for this product.

Primary Entry Routes: Skin contact, inhalation, ingestion and eye contact

Chronic (Long Term Effects): There is no known chronic health effects associated with the use of this product under normal working conditions.

Effects of Overexposure:

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

Eye: May cause slight eye irritation

Skin: Prolonged or repeated exposure may cause skin irritation.

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

Carcinogenicity:

IARC Class 3 (not classifiable as to carcinogenicity to humans): Amorphous silica

Section 4 --- First Aid Measures

Inhalation: Move the person to fresh air and support breathing as required. If symptoms (wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital for treatment.

Eye Contact: First check the victim for contact lenses and remove if present. Lift eyelids and flush immediately with flooding amounts of water for at least 15 minutes. Do not allow the victim to rub his/her eyes or keep them shut. Consult a physician or ophthalmologist if all material cannot be removed or if there is continuing irritation.

Skin Contact: Remove clothing around affected area. Rinse away loose material and wash affected area with soap

Section 4 --- First Aid Measures (Cont.)

and water. If there is a severe skin reaction or reddened or blistered skin, consult a physician and be prepared to transport the victim to a hospital for treatment.

Ingestion: Never give anything by mouth to an unconscious or convulsing person. Contact a poison control center with information from this MSDS and the Technical Data Sheet on the composition of the material ingested. Unless the poison control center advises otherwise, give the person one or two glasses of water, then induce vomiting. After first aid have the person see a physician for follow up care.

Section 5 --- Fire Fighting Measures

Flash Point: None reported

Autoignition Temperature: None reported

Lower Explosive Limit: None reported

Upper Explosive Limit: None reported

Extinguishing Media: Carbon dioxide, water, foam, or dry chemical as suitable for type of surrounding fire.

Unusual Fire or Explosion Hazards: Not known

Fire Fighting: Wear a self-contained breathing apparatus (SCBA) with full facepiece operated in the pressure demand or positive pressure mode. Do not allow runoff from fire fighting to enter roadways or sewers. Material may dry out and present additional fire/explosion hazards.

Section 6 --- Accidental Release Measures

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.

Section 7 --- Handling and Storage

Handling: Store materials 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

Section 8 --- Exposure Controls and Personal Protection

Engineering Control and Ventilation:

Provide local exhaust when possible, and general ventilation as necessary, to keep airborne concentrations below exposure limits and as low as possible.

Respiratory Protection: Use an approved disposable dust respirator designed for nuisance type dusts.

Eye Protection: Wear safety glasses with side shields and /or goggles as necessary to prevent dust from entering eyes.

Skin Protection: Use impervious gloves such as neoprene, nitrile, or rubber for hand protection. Personnel that are much susceptible to irritation from fibers or dusts should wear full-body coveralls. The use of protective creams before handling the material may prove beneficial.

Emergency Equipment: An eyewash station should be readily available near the work area.

Section 9 --- Physical and Chemical Properties

Physical State: Mesh fabric

Appearance/Odor: White, no odor

Solubility: Insoluble.

Specific Gravity (H₂O=1): 2.2 gm/cc

Section 10 --- Stability and Reactivity

Stability: Product is stable at normal temperature and storage conditions.
Chemical Incompatibilities: Basic phosphates, hydrofluoric acid and some oxides and hydroxides.
Hazardous Polymerization: Hazardous polymerization will not occur under normal conditions.
Hazardous Decomposition Products: Under fire conditions polymers decompose. Thermal decomposition of any small amount of binder may produce carbon monoxide and carbon dioxide.

Section 11 --- Toxicological Information

Materials which has been subject 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/m3 (respirable).

Amorphous Silica:

Acute oral, rat - LD₅₀ = 3,160 mg/kg
 Acute intravenous, rat - LD₅₀ = 15 mg/kg

Section 12 --- Ecological Information

No information is available: However toxicity is expected to be low based on the insolubility in water of the product.

Section 13 --- Disposal Considerations

Disposal of all waste including containers in accordance with applicable, federal, State and local Environmental regulations.

Section 14 --- Transport Information

DOT Proper Shipping Name: Flexsil Mesh Fabric, Shrunk
 DOT Hazardous Class: None
 DOT UN/NA Number: None
 Emergency Response Guide Number: None

Section 15 --- Regulatory Information

Component	CERCLA Hazardous Substance (Section 102)	CERCLA Reportable Quantity (Lbs.)	CWA NPDES Discharge (Section 307(a))	CAA Section 112	SARA Toxic Chemical (40 CFR 372)	SARA Extremely Hazardous Substance (40 CFR 355)
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Section 16 --- Other Information

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