MSDS – High Silica Glass Cloth

Date of Issue: 28 October 2010

1. Product Information	
Identification reference	113100, SG117, SG1817
Product Name	High Silica Cloth (Fire retardant cloth)
Product Thickness	0.8-1.0MM
Product Use	Fire insulation. For welding, cutting, grinding, the resist sparks, slag, spatter.

2. Composition	
LOI	3%
SiO_2	96%
The preparation is not classified as dangerous goods. This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.	

3. Hazards Identification	
Emergency Overview This fire retardant cloth is stable under normal ambient conditions.	
Primary Entry Routes	Inhalation
Target Organs	None
Acute Effects	
Inhalation	Mechanical irritation of the mouth, nose and throat
Eye	Direct contact will cause mechanical irritation.
Skin	Transient mechanical irritation. Occasionally, there might be skin irritation noted by individuals who are initially exposed to fiberglass.
Ingestion	Observe individual. If symptoms of GI irritation develop, consult a physician.
Carcinogenicity	IARC, NTP, and OSHA do not list this glass fabric as a carcinogen.
Medication Conditions Aggravated by Long-Term Exposure	Skin, eyes and Respiratory Irritation
Chronic Effects	None Known (see section 11)

4. First-aid Measures	
Inhalation	Remove to fresh air; drink water to clear throat and blow nose to expel fibers.
Eye Contact	Flush with water for 15 minutes; get medical attention if irritation persists.
Skin Contact	Wash with soap and water
Ingestion	Consult a physician if irritation exists.
After first aid, get appropriate in-plant, paramedic, or community medical support. Note to Physicians: N/A Special Precautions/Procedures: None	

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5. Fire-fighting Measures		
Flash Point: None	Flash Point Method: N/A	Burning Rate: None
Auto-ignition Temperature: None	LEL: None	UEL: None
Flammability Classification	Non-flammable	
Extinguishing Media	Use that which is appropriate for the surrounding area.	
Unusual Fire or Explosion Hazards	None	
Hazardous Combustion Products	Any sizing, binders or coatings on the fiberglass fabric might form hazardous decomposition products during a sustained fire. Follow fire-fighting procedures and use proper fire-fighting equipment. Fire-	
Fire-Fighting Instructions	Do not release runoff from fire control methods to sewers or waterways.	
Fire-Fighting Equipment	In any sustained fire, wear self-contained breathing apparatus.	

6. Accidental Release Measures	
Spill /Leak Procedures	Prevent the spread of fiberglass dust and avoid dust generation conditions. Vacuum clean dust and fiber. If sweeping is necessary, use a dust suppressant. Those involved in the clean up of fiberglass should use appropriate personal protective equipment. See Section 8.
Containment:	N/A
Regulatory Requirements	Follow applicable regulations

7. Handling and Storage	
Handling	Handle properly to prevent the spread of fiberglass dust or fibers.
Storage	Store in proper containers to prevent the spread of dusts and fibers. Low humidity levels will increase the spread of dusts and fibers.
Regulatory Requirements	Keep airborne dusts and fiber concentrations below regulat01y levels.

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8. Exposure Controls / Personal Protection	
Engineering Controls:	None
Ventilation:	Provide general or local exhaust ventilation systems to maintain airborne dust or fiber concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
Respiratory Protection	Where airborne dusts or fibers exceed the TLV, use NIOSH approved respirator to protect against nuisance dusts. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select a respirator based on its suitability to provide adequate worker protection for the given working conditions and levels of airborne contamination.
Protective Clothing/Equipment:	If necessary, wear protective gloves or use barrier cream to protect against any mechanical irritation. Eye protection is not required unless fiber levels might cause mechanical irritation of the eyes or local regulations require the use of eye protection. Goggles should then be used. Other protective clothing is not required.
Safety Stations:	Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Contaminated Equipment:	Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
Comments:	Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash hands after handling this material.

9. Physical and Chemical Properties			
Appearance	Fiberglass fabric		
Appearance and Odour	Yellow cloth, odourless		
Odour Threshold	N/A		
Vapour Pressure	None		
Vapour Density	N/A		
Formula Weight	None		
Density	880±44g/m^2		
pH	6-8 in water		
Water Solubility	No soluble		
Other Solubility	N/A		
Boiling Point	N/A	Freezing/Melting Point	1700°C
Viscosity	N/A		

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10. Stability and Reactivity	
Stability	This fire retardant cloth is stable at room temperature in closed containers under normal storage and handling conditions.
Polymerisation	Hazardous polymerisation cannot occur.
Chemical Incompatibilities	None
Conditions to avoid	Avoid temperatures above 100°C
Hazardous decomposition products	Thermal oxidative decomposition of Glass Fabrics can produce oxides of carbon, CO, CO2, and hydrocarbons.

11. Toxicological Information	
Fiber Toxicity:	Glass Fiber diameter determines whether the fiber is respirable. NOISH has determined that man-made mineral fibers with diameters equal or greater than 3.5 microns are non-respirable. Respirable fibers will penetrate deep into the lungs. All E-glass continuous filament fiberglasses have a fiber diameter larger than 3.5 microns and therefore are non-respirable.
Carcinogenicity:	The following organizations have formed that the continuous fiberglass filaments are not considered to be carcinogenic based on human and animal tests conducted within the last 10 years. Internal Agency for Research on Cancer- IARC American Conference of Governmental Industrial Hygienists - ACGIH Occupational Safety and Health Administration - OSHA National Toxicity Program NTP 7th Annual Report on Carcinogens.

12. Ecological Information
Fiberglass Fabric, cleaned or finished is considered to be an inert solid waste and will not cause harm to the environment if spilled or released. This product is not manufactured with, or does not contain and Ozone Depleting Chemicals.

13. Disposal Considerations
Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

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14. Transport Information	
Proper shipping name	N/A
Hazards class	Not regulated
Packing group	N/A
Identification number	N/A
Before transport, check container to ensure it is sealed. During transport, check and make sure there are no leakage and falling over. Road transport must follow regulated transport route. Do not stay in area of high population density.	

15. Regulatory Information	
EPA Regulations:	
RCRA Hazardous Waste Number: Not listed (40 CFR 261 .33) RCRA. Hazardous Waste Classification (40 CFR 261.): Not classified CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112 CERCLA Reportable Quantity (RQ), No RQ SARA 311/312 Codes: N/A SARA Toxic Chemical (40 CFR 372.65): Not listed SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): None **OSHA Regulations**: Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed OSHA Specifically Regulated Substance (29CFR 1910.) No **State Regulations**: None	

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