

MATERIAL SAFETY DATA SHEET – Silica Cloth

Date Revised: 01/04/13

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Section 1 – Product Identification

Chemical Name	Silicon Dioxide
Trade Name	Silica Cloth
Chemical Family	Amorphous Silica

Section 2 – Hazardous Ingredients

Paints, Preservatives & Solvents	% Weight	Alloys and Metallic Coatings	% Weight
Silicone Dioxide, continuous filament	≥96	Base Metal	0
Sizing/bound water	≤10	Pigments	0
Catalyst	0	Alloys	0
Vehicle	0	Metallic Coatings	0
Solvents	0	Filler Metal	0
Additives	0	Others	0
Others	0		

Hazardous mixtures of other liquids, solids or gases - none

Section 3 – Physical Data

Appearance	White	Odor	Odorless
Physical State	Fibrous	pH in water	7.75 – 8.00
Vapor Density	Not Applicable	Melting Point	3000° F +
Vapor Pressure	Not Applicable	Freezing Point	Not Applicable
Specific Gravity	2.20	Solubility	Nil
Odor Threshold	Not Applicable	Boiling Point	Not Applicable
Evaporation Rate	Not Applicable	Coefficient of Water/Oil Distribution	Not Applicable

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Section 4 – Fire and Explosion Hazard Data

Flash Point (Method Used):	N/A
Flammable Limits at 25C:	N/A
Extinguishing Media:	N/A
Unusual Fire and Explosion Hazards	N/A

Section 5 – Health Hazard Data

Threshold Limit Value	There is no established threshold limit value directly applicable to silica cloth.
Effects of Overexposure	Some silica cloth characteristics are similar to fiberglass which has been identified as a nuisance particulate by ACGIH. Chemically, silica cloth is amorphous silica which has an OSHA limit of 20 mppcf or 80 mg/m ³ % STO
Emergency and First Aid Procedures	In cases of irritation of the skin, wash with mild soap and room temperature to cool water. If contact with eyes, irrigate with water.

Section 6 – Reactivity Data

Stability	Stable
Conditions to Avoid	Direct flame will ignite elastomer compound
Incompatibility (materials to avoid)	Avoid storage with strong oxidizing agent
Hazardous Decomposition Products	Carbon monoxide under certain circumstances. There may be others unknown to us.
Hazardous Polymerization	Will not occur
Conditions to Avoid	None

Section 7 – Spill or Leak Procedures

Respiratory Protection (Specify type):	No special requirements. Mouth and nose mask may be worn when cutting large quantities.
Ventilation:	None
Protective Gloves:	Not required unless sensitive to fiber
Eye Protection:	Safety glasses may be worn but not required.
Other Protective Clothing or Equipment:	Normal wash up after handling is recommended.

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Section 8 – Special Precautions

Precautions to be taken in handling and storing – store in a clean, dry place away from strong oxidizing agents. Any person exhibiting sensitivity to glass fibers should avoid excessive contact with skin.

Waste disposal method – normal landfill, place waste in a plastic bag to reduce generation of glass fibers

Section 9 – Disclaimer

The information presented in this MSDS represents the most accurate known presentation of this product. However, due to the many and diverse variables in its end use, it is the end users responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary.