



Material Safety Data Sheet

228 StoSilco Shield

Section I - Manufacturer's Information

Identity: **StoSilco Shield** Common Name/Synonym: **Waterbased Silicone Acrylic Coating**

Manufacturer's Name: **Sto Corp. 6175 Riverside Drive, SW Atlanta, GA 30331** Information #: **(404) 346-3666** DOT Hazardous Class: **Not Regulated**

Emergency #: **(800) 424-9300** CAS Number: **Not Registered**

Section II - Preparation Information

Prepared By: **Sto Corp. Research and Development Department** Date Prepared: **15-May-07**

Section III - Hazardous Ingredients

Component - A Ingredient	Percent w/w	CAS Number	TWA/TLV			LD50	LC50
			OSHA	ACGIH	Other		
Mica	0.5-1.5	12001-26-2	3.0 mg/m ³	3.0 mg/m ³	N/E mg/m ³	N/E	N/E
Calcium Carbonate	10-30	1317-65-3	5.0 mg/m ³	10.0 mg/m ³	N/E mg/m ³	N/E	N/E
Titanium Dioxide	10-30	13463-67-7	10.0 mg/m ³	10.0 mg/m ³	N/E mg/m ³	N/E	N/E
Hydrous Magnesium Silicate	3-7	14807-96-6	2.0 mg/m ³	2.0 mg/m ³	N/E mg/m ³	N/E	N/E
Sodium Aluminosilicate	0.5-1.5	1344-00-9	N/E mg/m ³	10.0 mg/m ³	N/E mg/m ³	N/E	N/E

Section IV - Physical/Chemical Characteristics

Component - A

Boiling Point: **N/A** Vapor Density [Air=1]: **N/E** Vapor Pressure: **N/E** pH Level: **7.5 - 10**

Melting Point: **N/A** Evaporation Rate [Ether=1]: **<1** Physical State: **Liquid** Solubility in Water: **Miscible**

Freezing Point: **0 deg C/32 deg F** Specific Gravity: [H2O=1]: **1.2 - 1.6** Odor Threshold: **N/E**

Appearance and Odor: **Viscous Liquid - Slight Odor** Coefficient of Water/Oil Distribution: **N/E**

Section V - Fire and Explosion Hazard Data

Component - A

Flammability: **N/A** Flash Point: **N/A** Autoignition Temperature: **N/A**

Limits LEL/UEL: **N/E - N/E** Sensitivity to impact: **None** Sensitivity to Static Discharge: **None**

Hazardous Decomposition Products: **C0x, Smoke, Hydrocarbons** Special Firefighting Procedures: **SCBA, full protective gear**

Unusual Fire and Explosive Hazards: **Material may spatter above 100 deg C/212 deg F** Extinguishing Media: **Water spray, foam, dry chemical**

Section VI - Reactivity Data

Component - A

Hazardous Decomposition Products: **None** Stability: **Stable** Incompatibility (Materials to Avoid): **None**

Hazardous Polymerization: **None** Conditions to Avoid: **None**

Section VII - Health Hazard Data

Carcinogenicity: **No** NTP: **No** IARC: **No** OSHA Regulated: **No** LD50: **N/A** LC50: **N/A**

Effects and Hazards of Eye Contact: **Direct contact with material may cause irritation.**

Effects and Hazards of Inhalation (Breathing): **Product is waterbased. For normal application, inhalation is not expected to be a primary route of exposure. Consult Section IX - Precautions for Safe Handling and Use for further details.**

Effects and Hazards of Skin Contact: **Contact with skin may cause reddening or a slight rash in individuals with sensitive skin.**

Effects and Hazards of Ingestion (Swallowing): **May cause some stomach distress.**



Section VIII - Emergency and First Aid Procedures

Treatment for Eye

Contact: **As with any foreign material in the eyes, they should be flushed for fifteen minutes with running water while holding the eyes open. This will assist in flushing material from the eye. If irritation continues, seek medical attention.**

Treatment for Inhalation

(Breathing): **If respiratory irritation occurs, go to fresh air. Flood work area with fresh air and if irritation continues, seek medical attention.**

Treatment for Skin

Contact: **Wash with mild soap and water. Hand creams should be used to prevent dry skin. If skin irritation, reddening or a rash occurs, seek medical attention.**

Treatment for Ingestion

(Swallowing): **Contact medical help immediately; untrained first aid personnel should not attempt to administer first aid.**

Section IX - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled (Dry Stage):

Sweep and dispose of in proper receptacle.

Steps to be taken in case material is released or spilled (Wet Stage):

Scoop into proper receptacle and allow to harden.

Waste Disposal Method:

Per local, state and federal regulations.

Precautions To Be Taken In Handling and Storing:

Store in a cool dry location, out of direct sunlight. Protect from freezing.

Other Precautions:

This material is an industrial product designed to be used by professionals familiar with the requirements of this MSDS.

Respiratory Protection:

Respiratory protection is not required for normal use of this product. Product contains silica (quartz) sand, which has been designated by IARC as group 1 - human carcinogen. Prolonged exposure to respirable silica (quartz) dust may cause delayed (chronic) lung injury such as silicosis. If material is ground upon or sanded when it is dry, NIOSH/MSHA approved respirators for dust should be provided and worn. All workers required to use respiratory protection should be trained in their proper selection, use and care.

Ventilation:

Recommended; local or mechanical when mixing, applying or sanding the product in the dry state.

Protective Gloves:

Recommended; plastic or rubber.

Eye Protection:

Recommended; chemical splash safety goggles.

Other Protective Equipment:

Recommended; splash bib and protective clothing.

Work and Hygienic Practices:

Remove and wash contaminated clothing. As with all commercial and industrial products, always wash hands before eating or smoking.

California Proposition 65:

This product does not contain any material considered a carcinogen by the State of California.

The information and recommendations contained herein are, to the best of Sto Corp.'s knowledge and belief, accurate and reliable as of the date issued. Sto Corp. does not warrant or guarantee their accuracy or reliability, and Sto Corp. shall not be liable for any loss or damage arising out of their use thereof. The information and recommendations are offered for the users' consideration and examination, and it is the users' responsibility to satisfy itself that they are suitable and complete for its particular use.