

SECTION I – PRODUCT IDENTIFICATION

Formulated Solutions
25-44 Borough Place, Woodside, NY 11377
Telephone: 718-267-6380
Emergency Phone: 718-267-6380
Generic ID: Cement Based Mortar
Product Identity: ShapeCoat
Date Prepared: 8/1/10

SECTION II – INGREDIENTS

Ingredient Name	CAS Number	Percent	Exposure Limits
Crystalline Silica	14808-60-7	40–50	0.05mg/m3 (ACGIH)
Portland Cement	65997-15-1	30–40	10mg/m3 (ACGIH)
Latex Polymer	N/A	5–10	N/A
Dolomite	16389-88-1	0–5	10mg/m3 (ACGIH)
Sodium Naphthalene Sulfonate	9084-06-4	0–1	Not established

*Other Non-Hazardous Ingredients considered a Trade Secret

- OSHA PEL: Exposure to airborne crystalline silica shall not exceed an 8-hour time-weighted average (TWA) limit as stated in 29 CFR 1910.1000 Table Z-3, Air Contaminants, specifically: 10 mg/m3 %
- SiO₂+2

SECTION III – PHYSICAL DATA

Initial Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density (Air=1.0): N/A
Specific Gravity: 2.2 – 2.3
Percent Volatiles: 0.00%

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: N/A
Explosive Limit (Product): N/A
Extinguishing Media: None to avoid.
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION V – HEALTH HAZARD DATA

Eye Contact: Crystalline silica (quartz) may cause abrasion of the cornea.
Skin Contact: Wet compound can dry the skin and cause caustic burns.
Ingestion: No adverse effects expected for incidental ingestion.
Chronic Effects: The adverse health effects — silicosis, lung cancer, scleroderma, tuberculosis, and nephrotoxicity — are chronic effects.

FIRST AID

Inhalation: No first aid is necessary since the adverse health effects associated with exposure to crystalline silica (quartz) result from chronic exposures. If there is a gross inhalation of crystalline silica (quartz), remove the person immediately to fresh air, give artificial respiration as needed, seek medical attention as needed.
Eye Contact: Wash eyes immediately and repeatedly with water and seek prompt medical attention.
Skin Contact: Wash exposed skin with soap and water immediately.
Ingestion: If ingested, seek immediate medical attention. Drink water.

IARC - The International Agency for Research on Cancer (“IARC”) concluded that there was “sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.” The overall IARC evaluation was that “crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group I).” The IARC evaluation noted that “carcinogenicity was not detected in all industrial circumstances.” For further information on the IARC evaluation, see *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 68, “Silica, Some Silicates...”* (1997).

NTP - The National Toxicology Program, in its Ninth Annual Report on Carcinogens, May 15, 2000, classified that “respirable crystalline silica, primarily quartz dust occurring in industrial and occupational settings, as known to be a human carcinogen.”

SECTION VI – REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Contact with powerful oxidizing agents such as fluorine, chlorine, trifluoride, oxygen difluoride, may cause fires.
Hazardous Decomposition: None
Hazardous Polymerization: None
Conditions to Avoid: Avoid contact with water or moisture during storage.

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use appropriate respiratory protection. Limit dust with water spray or vacuum. Provide ventilation. Refer to State and Local Regulations for handling solid waste.

SECTION VIII – PROTECTIVE EQUIPMENT

Ventilation: Open all available windows and entrances to insure good ventit
Respirator Protection: NIOSH approved respirator.
Protective Gloves: Leather or rubber gloves for skin and hands.
Eye Protection: Wear glasses or protective goggles to avoid splashes.
WASH HANDS THOROUGHLY WITH SOAP AND WATER.

SECTION IX – SPECIAL PRECAUTIONS

Use only in applications as stated on the label. Do not take internally. Close container after each use. Avoid skin and eye contact.

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KEEP OUT OF REACH OF CHILDREN