

Synthetic Creation Systems

Material Safety Data Sheet

1. Chemical Product and Company Identification

Synthetic Creation Systems
3838 Guernsey Ave.
Stockton, California 95215

Telephone Number: (209) 948-0328
24-Hour Emergency Telephone
Number: (866) 719-5397

Product Name: SCS Base Mix
LIIN: 00N090388
HMIS Classification: H F R
 1 0 1

Prepared By: Boulder Image Loss Control
Preparation Date: June 01, 2001
Review Dates: April 05, 2002

2. Composition, Information on Ingredients

Ingredients / Components	CAS #	RTECS	OSHA PEL	ACGIH TLV OTHER	WT %	EPA RPT QTY	DOT RPT QTY
Silica, Crystalline – Quartz	14808-60-7	VV7330000	See Table Z-3	.1 MG/M3 RDUST; 9495	50-70	N/A	N/A
White Portland Cement	65997-15-1	VV8770000	50 MPPCF; Z-3	10 MG/M3 TDUST; 9495	30-50	N/A	N/A
Arsenic; (Inorganic Compounds) (SARA 313) (CERCLA)	7440-38-2	CG0525000	See 1910.1018	.1 MG/M3 RDUST; 9495	<0.0003	1 LB	1 LB
Lead (SARA 313) (CERCLA)	7439-92-1	OF7525000	See 1910.1018	.15 MG/M3 DUST; 9495	<0.0002	1 LB	1 LB

3. Physical / Chemical Characteristics

Appearance & Odor: White Powder; No Odor

4. Fire and Explosion Hazard Data

Extinguishing Media: Use Water Spray, Foam, Dry Chemical or Carbon Dioxide.

Firefighting Procedures: Use NIOSH approved SCBA & Full Protective Equipment (FP N).

Unusual Fire and Explosion Hazards: Dust clouds in air can be ignited by electric sparks, hot surfaces and open flame.

5. Reactivity Data

Stability Indicator: Yes

Stability Condition to avoid: None specified by manufacturer.

Incompatibility (Materials to Avoid): None Known

Hazardous Decomposition Products: Incomplete combustion can yield carbon monoxide.

Hazardous Polymerization Indicator: No

Conditions to Avoid Polymerization: Not relevant

6. Health Hazard Data

LD50 LC50 Mixture: None specified by manufacturer.

Route of Entry Inds: **Inhalation:** Yes **Skin:** Yes **Ingestion:** No

Carcinogenicity: **NTP?** Yes **IARC?** Yes **OSHA?** No

Effects of Exposure: **Acute:** White Portland Cement can cause eye irritation by absorbing water from the eyes. Skin: White Portland Cement can cause irritation by absorbing water from the skin. Inhalation: Dusts may irritate the respiratory tract in sensitive individuals. Ingestion: Small amounts are not anticipated to be harmful. **Chronic:** Long-term Crystalline Silica exposure can cause permanent lung damage and reduced pulmonary function.

Explanation of Carcinogenicity: Silica, Crystalline Quartz: IARC Monographs, Vol 68, Pg 41, 1997: Group 1. NTP 7th Annual Report on Carcinogens, 1994.

CA Proposition 65: Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains chemical(s) known to the state of California to cause cancer / reproductive damage. <0.0003% arsenic compounds (inorganic).

Medical Conditions Aggravated by Exposure: Inhalation of dust may aggravate lung conditions such as asthma emphysema, or chronic bronchitis.

First Aid Procedures: **Eyes:** Flush with water for at least 15 minutes. **Ingestion:** If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person. **Inhalation:** Remove to fresh air. Support breathing (give O₂ / artificial respiration) (FP N). **Skin:** Flush w/ copious amounts of water. Call MD (FP N).

7. Precautions for Safe Handling and Use

Neutralizing Agent: None specified by manufacturer.

Steps to be taken in Case Material is Released or Spilled: Sweep up or vacuum immediately; avoid creating dusty conditions. Material can absorb water and become slippery. Shovel up wet material and flush area with water.

Waste Disposal Method: To the best of manufacturer's knowledge, this product does not meet definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of in an approved landfill. Consult Federal, State, Local or Provincial Authorities for more restrictive requirements.

Precautions to be taken in Handling and Storage: Avoid breathing dust. Consult the technical data sheet for specific storage instructions.

Other Precautions: None specified by manufacturer.

8. Control Measures

Respiratory Protection: Not normally required. Use NIOSH approved particulate respirator if conditions warrant.

Ventilation: If product is allowed to become airborne as dust, an exhaust fan with an explosion-proof motor is recommended.

Protective Gloves: Impervious gloves (FP N).

Eye Protection: ANSI approved chemical workers goggles (FP N).

Other Protective Equipment: Eye wash fountain and deluge shower which meet ANSI design criteria (FP N).

Work / Hygienic Practices: None specified by manufacturer.

NOTE: The above information is based on current formulation and information available at this time. Since conditions of use are outside our control we make no warranties, expressed or implied, and assume no responsibility or liability in connection with any use of this information.