

Structural Skin

Material Safety Data Sheet
Effective Date 8/89

HMIS Ratings
Health-1
Flammability-0
Reactivity-0

SECTION 1 Hazardous Ingredients

COMPONENT	CAS#	OSHA PEL	TWA	ACGIH TLV	TWA	NIOSH TWA
Portland Cement	65997-15-1	5mg/m ³		10mg/m ³		
Silico Dioxide, Silica, Quartz	14808-60-7		10mg/m ³		0.1mg/m ³	0.05mg/m ³

OSHA ingredient permissible exposure limit: 18mg/m³

ACGIH ingredient TLV-TWA: 30 mppcf (10mg/m³)

Total dust: 5mg/m³

The 1974 NIOSH Criteria for a recommended Standard for Occupational Exposure to Crystalline Silica should be consulted for more detailed information.

Note: The Permissible Exposure Limits (PEL) reported above are the pre-1989 limits that were reinstated by OSHA June 30, 1993 following a decision by the 11th Circuit Court of Appeals. These PEL's are now being enforced by Federal OSHA. Be aware that more restrictive exposure limits may be enforced by some states, agencies, or other authorities

SECTION 2 Physical Data

pH	1% solution (approx.) 12.0
Flash point	> 200° F, Seta (cc)
Vapor Pressure	NA
Viscosity	NA
Evaporation rate	<1 (Ether =1)
Physical State	White or gray powder
Odor	Mild
Sp. Gr.	(Bulk density) 100 lbs./ft ³
% solubility (water)	1% (leaves sediment)

SECTION 3 Reactivity Data

Stable. Thermal decomposition yields oxides of Ca, S, N, Na, K and Halogens if present.

SECTION 4 Health Hazard Effects

Skin Effects	May cause skin irritation after contact. Hypersensitive individuals may develop an Allergic dermatitis.
Eye Effects	Severely damaging to the eyes.
Respiratory Effects	May cause minor irritation to upper respiratory tract.
Inhalation	Breathing silica dust may not cause noticeable injury or illness even though Permanent lung damage may be occurring. Inhalation of dust may have serious Chronic health effects including Silicosis, Cancer, Scleroderma, Tuberculosis and Nephrotoxicity.

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SECTION 5 First Aid Instructions

Skin Contact	Remove contaminated clothing. Wash exposed area with a large quantity of soap solution or water for at least 15 minutes.
Eye Contact	Immediately flush with water for at least 15 minutes. Contact a physician immediately for additional treatment.
Inhalation Exposure	Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.
Ingestion	Do not feed anything by mouth to unconscious or convulsive victim. Dilute contents Of stomach. Contact physician immediately.

SECTION 6 Spill, Disposal and Fire Instructions

Spill Instructions	Use dry clean up methods that do not dispense the dust into the air. Avoid breathing the Dust.
Disposal Instructions	Material can be returned to container for later use or disposed of as common waste. Any local agreement, a treatment facility, or discharged under a NPDES permit.
Fire Extinguishing Instructions	Material will not contribute to combustion. Foam or water may create a slippery condition. Contact with water may cause eventual reaction to form a hard, inert solid.

SECTION 7 Special Protective Equipment

Ventilation Equipment Recommended	Adequate ventilation.
Respiratory Protection	If ventilation is inadequate or significant product exposure is likely, use a respirator with Dust/mist/fume cartridges.
Recommended Skin Protection	Rubber gloves and full coveralls.
Recommended Eye Protection	Splash proof chemical goggles.

SECTION 8 Storage and Handling Precautions

Storage Instructions	Keep in a dry environment.
Handling Instructions	Normal chemical handling.

SECTION 9 Federal Regulations

FIFRA (40 CFR) –EPA Reg. No. Not applicable.
OSHA (29 CFR Sec. 1910) – Safety and Health Standards-See Section 1.
FDA (21 CFR) Ingredients authorized under – None.

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