

Express Set

Material Safety Data Sheet
Effective Date 2/94

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		
Silicon Dioxide, Silica, Quartz	14808-60-7		10mg/m ³		0.1mg/m ³	0.05mg/m ³

OSHA ingredient permissible exposure limit: 18 mg/m³

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

Total dust: 5 mg/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	NA	
Physical State	Gray dry powder	
Odor	Mild cement	
Sp. Gr.	Bulk density (ambient)=	100lbs./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 response.
Eye Effects	Irritating to the eyes.
Respiratory Effects	Repeated inhalation may cause delayed lung cancer.

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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 effects including Silicosis, Cancer, Scleroderma, Tuberculosis and Nephrotoxicity.

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 Contain and sweep up material. Place in closed containers

Disposal Instructions Dispose of in accordance with local, state, and federal regulations.

Fire Extinguishing Material will not contribute to combustion. Foam or water may create a slippery condition.

Instructions Contact with water may cause eventual reaction to form a hard, inert solid.

SECTION 7 Special Protective Equipment

Ventilation Equipment Adequate ventilation. Mechanical ventilation in confined areas.
Recommended If ventilation is inadequate or significant product exposure is likely, use of a NIOSH/MSHA
Respiratory Protection approved respirator is recommended.

Recommended Skin Rubber gloves and full coveralls
Protection

Recommended Splash proof chemical goggles.
Eye Protection

SECTION 8 Storage and Handling Precautions

Storage Instructions Keep in a dry environment, off of floor.

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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