STANDARD CEMENT MATERIALS INC.

MATERIAL SAFETY DATA SHEET

Product Name: Fast Set Bench Repair Cement

Date: 03/ 30/ 2002

SECTION 1 – GENERAL INFORMATION

Manufacturer: Address:	Standard Cement Materials, Inc. 5710 West 34th Street, Suite A Houston, TX 77092
Telephone Number: Emergency Telephone Number:	713. 680-0482 1. 888. 278-1337 1. 281. 256-4954
Trade Name:	Fast Set Bench Repair Cement Dry Cement Mixture
Chemical Family:	Mixture of Sand (Quartz) and Portland Cement
Product Use and Formula:	Dry Cement Mixture NIA
HMIS/ NFPA Rating:	Health – 2* Flammability – 0 Reactivity – 1

SECTION II – HAZARDOUS INGREDIENTS

COMPONENT	% Typical	CAS NO.	TLV Units	PEL Units
Sand (Quartz)	*	14808-60-7	See Below	See Below
Portland Cement	*	65997-15-1	10 mg/ m^3	15 mg/ m^3

$$\text{TLV (sand)} = \frac{10 \text{ mg/ } m^3}{\% \text{ Respirable Quartz} + 2} = \text{PEL (sand)}$$

NOTE: Previous air monitoring during employee exposure to this product indicates airborne respirable quartz fractions up to 3 %. Threshold Limit Value, TLV, established by the American Conference of Governmental Industrial Hygienist, 1985-86.

Emergency Overview:

Warning! Causes irritation – Avoid prolonged skin contact, with eyes and clothing. Wash thoroughly after handling. Prolonged exposure may cause severe eye, skin or nasal passage irritation from alkali in Portland cement. May cause skin rash or burns when wet. WARNING! HARMFUL IF INHALED OR INGESTED – Avoid breathing the dust over an extended period. Keep container closed. Use only in properly ventilated areas. Extended exposure by inhalation may result in the development of pulmonary diseases including pneumoconiosis and silicosis.

* SARA Title III Section 313 Reportable Components.
  Exposure Limit Abbreviations: A – ACGIH TLV; O – OSHA PEL; S – ACGIH STEL; Manufacturer's TLV; HMIS Rating.
  NIA – No Information Available.
* Levels less than that recognized as hazardous by OSHA.

SECTION III – PHYSICAL DATA

PROPERTY	
Physical State	Dry Cement Mixture
Specific Gravity (Water = 1.0)	2.6 – 2.7 @ 77°F
Vapor Pressure (mmHg)	NA
Vapor Density (Air = 1)	NA
Evaporation Rate (Ether = 1.0)	NIA
Solubility in Water	Slight Dilution (0.1 – 1.0 %)
Appearance/ Odor	Fine Grey Powder mixed with sand no significant odor.
% Volatiles	0

SECTION IV – FIRE AND EXPLOSION DATA

PROPERTY	
Flash Point (°F)	Will Not Ignite
Lower Explosion Limits (LEL)	NIA
Upper Explosion Limits (UEL)	NIA
Extinguishing Media:	NA
Special Firefighting Procedures:	NA

SECTION V – HEALTH HAZARD DATA

Potential Health Effects:

Acute Over Exposure:	Inhalation, skin contact and ingestion can cause respiratory irritation. If prolonged exposure to dust occurs, the effects may be more severe resulting in coughing and breathing difficulties. Eye, skin, nasal passage irritation may result. Using a wet cement material mixture may cause alkali burns.
Chronic Over Exposure:	Harmful. Repeated exposure may cause severe irritation, discomfort or skin disorders. Prolonged contact can result in burns and the development of pulmonary related diseases.
Eye Contact	Extended exposure may result in tissue damage.

HMIS Rating:

Health	2*
Flammability	0
Reactivity	1
Personal Protective Equipment	X (see Section)

FIRST AID

Move the exposed person to fresh air immediately and provide oxygen or artificial respiration if necessary. Flush eyes with plenty of cool water for at least 15 minutes while holding eyelids open. Consult a medical physician. Thoroughly wash exposed area with soap and water. Remove contaminated clothing and wash before reuse. Contact a physician if irritation and discomfort develops or persist. Never give liquids or anything else to an unconscious or convulsing person. Obtain immediate medical attention.

SECTION VI – REACTIVITY INFORMATION

Stability:	Stable
Conditions To Avoid:	Does not apply.
Incompatible Materials:	Material is alkaline. Contact with strong acids may produce a violent, exothermic reaction and evolve toxic gases.
Hazardous Polymerization:	May occur.
Unusual Fire Explosion Hazards:	Product may be toxic. Keep in dry, safe storage.

SECTION VII – SPILLS AND SAFE HANDLING

Material Release/ Spills/ Leaks:	Use protective equipment. Stop the spill to prevent dust contamination. Protect against alkali burns, contain or absorb the spill with inert material into a container for proper disposal. For large spills, dike the area with sand and broom for proper non-burnable disposal. Do not flush or allow to enter waterways. Keep unnecessary people away.
Waste Disposal:	Does not meet the criteria for hazardous waste as defined by the Environmental Protection Agency under the authority of the Resource Conservation and Recovery Act (40 CFR 261). Dispose of in accordance with Federal, State and local requirements.
Handling and Storage:	Keep containers tightly closed and store in cool, dry place.

SECTION VIII – PERSONAL PROTECTION CONTROL

Respiratory Protection:	Provide adequate ventilation.
Ventilation (Local Exhaust):	General or locals exhaust to maintain exposure level TLV/ PEL.
Ventilation (Special):	None.
Eye Protection:	Goggles, safety glasses or face shield.
Other Protective Clothing:	Use appropriate clothing, rubber boots, arm sleeves and apron to prevent contact with skin.
Work/ Hygiene Practices:	Wash contaminated clothing before reuse. Discard contaminated footwear. Enforce careful handling to prevent the cement powder from blowing. Wash thoroughly after use. An eye wash station or adequate supply of clean water must be available at the work area.

SECTION IX – TRANSPORTATION

DOT (Domestic Surface)	NIA. Non-hazardous. Not regulated. No transport labels or placards required. Store all cement compounds in dry, cool place.
ICAO/ IATA (Air)	NIA. Not regulated. No transport labels or placards required.

The information contained herein is believed to be accurate and the best data available to us. Safety standards and government regulations are subject to change without notice and the conditions for handling and use, or misuse are beyond our control. Therefore, Standard Cement Materials Inc makes no warranty, either expressed or implied with the respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.

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