

STANDARD CEMENT MATERIALS INC.
MATERIAL SAFETY DATA SHEET

Product Name: Standard Plug Cement
 Custom Plug Cement

Date: January 31, 2016

SECTION 1 – GENERAL INFORMATION

Manufacturer: Standard Cement Materials, Inc.
 Address: 5710 West 34th Street, Suite A
 Houston, TX 77092

Telephone Number: (713) 680-0482
 (888) 278-1337

Emergency Telephone Number: (281) 256-4954

Trade Name: Standard Plug Cement
 Custom Plug Cement

Chemical Family: Mixture of Sand (Quartz), Portland and Calcium
 Aluminate Cement

Product Use and Formula: NIA, Dry Cement Mixture

SECTION II – HAZARDOUS INGREDIENTS

<u>COMPONENT</u>	<u>% Typical</u>	<u>CAS NO.</u>	<u>TLV Units</u>	<u>PEL Units</u>
Sand (Quartz)	*	14808-60-7	See Below	See Below
Portland Cement	*	65997-15-1	10 mg/ m ³	15 mg/ m ³
Calcium Aluminate Cement	*	65997-15-1	5 mg/ m ³	10 mg/ m ³

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

NOTE: 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 the Portland cement. May cause skin rash or burns when wet. **WARNING! HARMFUL IF INHALED OR INGESTED** – Avoid breathing the dust over an extended period. 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)	2.2 @ 77°F
Vapor Pressure (mmHg)	NA
Vapor Density (Air = 1)	NA
Evaporation Rate (Ether = 1.0)	NIA
Solubility in Water	Negligible
Appearance/ Odor	Grey Powder. 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, and 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 the development of pulmonary related diseases.
Eye Contact	Extended exposure may result in tissue damage.

HMS Rating:

Health	1
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 persists. 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:	NA
Incompatible Materials:	Material is alkaline. Contact with strong acids may produce a violent, exothermic reaction and evolve toxic gases.
Hazardous Polymerization:	Will not occur.
Unusual Fire Explosion Hazards:	NA. Keep in dry, safe storage.

SECTION VII – SPILLS AND SAFE HANDLING

Material Release/ Spills/ Leaks:	Use proper protective equipment. Stop the spill to prevent dust contamination. Protect against alkali burns, contain the spill with inert material; and collect into a container for proper disposal. Do not flush with water 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:	NIOSH/ MSHA approved for silica dusts.
Ventilation (Local Exhaust):	Local exhaust to maintain dust to comfort level TLV/ PEL/ EPA.
Eye Protection:	Goggles, safety glasses or face shield.
Other Protective Clothing:	Use appropriate clothing, rubber gloves and 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 – PRECAUTIONS AND TRANSPORTATION

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

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Custom service: www.sales@standardcement.com