

STEEL-CRETE™

Modified Ceramic Cement

Effective: January 1, 2009

Material Safety Data Sheet

PRODUCT IDENTIFICATION

Brand Name	STEEL-CRETE™	State	Powder
Chemical Name	Not Applicable	Melting Point	Not Applicable
Common Name	Modified Ceramic Cement	Boiling Point	Not Applicable
Formula	3CAO-SiO ₂ , 2CAO-SiO ₂ , 3CAO-AL ₂ O ₃ , 5CAO-AL ₂ O ₃ Fe ₂ O ₃ , CASO ₄ -2H ₂ O, CaCO ₃ Ca(OH) ₂ , Na ₂ B ₄ O ₇ , proprietary dry polymers, ceramic beads, plus trace admixtures.	Color	Gray
		Odor	None
		Bulk Density	35 lb./cu. Ft.
		Solubility (H ₂ O)	4.3% by wt. @20°C
		Flash Point	Not Applicable
		pH @ 25°C 2% sol.	11.9
DOT Hazard Class	Not Applicable	CAS Number	Not Established
DOT I.D. Number	Not Applicable		

PHYSICAL HAZARD INFORMATION

Explosive	No	Upper Explosive Limit	Not Applicable
Pyrophoric	No	Flammability Class	Class 1 (ASTM E-84)
Flammable	No	Flammability Class	No
Combustibility	No	Organic Peroxide	No
Oxidizer	No	Compressed Gas	Not Applicable
Incompatibilities	None known	Hazardous Decomposition	None
Conditions to Avoid	None known		
Reactivity	Stable under normal and expected conditions. Keep dry until used.		

HEALTH INFORMATION

Symptoms of Overexposure: Wet Steel-Crete can dry the skin and cause alkali burns. Steel-Crete dust can irritate the eyes, throat, and nose. Hypersensitive individuals may develop an allergic dermatitis.

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

- Ventilation:** Use local exhaust and general ventilation techniques. Personnel must use a personal respirator if dust concentration exceeds exposure limit.
- Respirator:** Use NIOSH/MSHA approved dust and mist respirator if dust concentration exceeds exposure limit and up to 50mg/m.
- Eye Care:** Safety glasses or vented safety goggles.
- Gloves:** Ordinary work gloves.
- Clothing:** Wear easily washable clothing that is changed daily. Wash clothing before reuse.

EMERGENCY PROCEDURES

- Fire:** STEEL-CRETE modified ceramic cement is not flammable and does not support combustion. Use fire lighting media suitable for surrounding fire.
- Spill or Leak:** Shovel or sweep up and place in container for later disposal.

FIRST AID PROCEDURES

- Ingestion:** If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- Skin Contact:** Flush skin with water and then wash thoroughly with soap or mild detergent and water.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Replaces: Original