

**Kel-Steel-Crete
Modified Ceramic Cement
Material Safety Data Sheet**

Effective: January 1, 2014
(Replaces January 1, 2013)

Product Identification

Brand Name	Kel-Steel-Crete	State	Powder
Chemical Name	Not applicable	Melting point	N/A
Common Name	Modified Ceramic Cement	Boiling point	N/A
Formula	3CAO-SiO ₂ , 2CAO-SiO ₂	Color	Gray
	3CAO-AL ₂ O ₃ , 5CAO-A12O ₃	Odor	None
	Fe ₂ O ₃ , CASO ₄ -2H ₂ O, CaCO ₃	Bulk Density	35 lb/cu Ft.
	Ca(OH) ₂ , Na ₂ B ₄ O ₇ , proprietary	Solubility (H ₂ O)	4.3% by wt @20 C
	Dry polymers, ceramic brands	Flash Point	N/A
	Plus trace admixtures	pH @ 25 C.2% sol.	11.9
DOT Hazard Class	N/A		
DOT ID Number	N/A	CAS Number	Not Established

Physical Hazard Information

Explosive	No	Upper Explosive Limit	N/A
Pyrophoric	No	Flammability	Class 1
		Class	ASTM E-84
Flammable	No	Flammability	No
		Class	

Physical Hazard Information continued:

Combustibility	No	Organic Peroxide	No
Oxidizer	No	Compressed Gas	N/A
Incompatibilities	None known	Hazardous Decomposition	N/A
Conditions to Avoid	None known		
Reactivity	Stable under normal and expected conditions. Keep dry until used.		

Health Information

Symptoms of Overexposure: Wet Kel-Steel-Crete can dry the skin and cause alkali burns. Kel-Steel-Crete dust can irritate the eyes, throat and nose. Hypersensitive individual 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: Kel-Steel-Crete modified ceramic cement is not flammable and does not support combustion. Use fire fighting 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 thorough with soap or mild detergent and water.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.