
MATERIAL SAFETY DATA SHEET

SECTION 01 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name: **CASTABLE REFRACTORY CEMENT**
Manufacturer: **KEL KEM LTD.**
1333 Cornwall Road,
Oakville, Ontario L6J 7T5
Tel: (905)-829-5888
Fax: (905)-829-3247
24 Hour Emergency Canutec (613) 996-6666 (Collect)
Date: April 1, 2011
Prepared by: Gerry van Konynenburg
WHMIS Classification: D2A, D2B
Product Code: KK0062
Product Use: Cement Compound

SECTION 02 – COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Ingredients</u>	<u>CAS No.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Cristobalite	14464-46-1	1.0 – 5.0	0.05 mg/m ³	0.05 mg/m ³
Alumina Silicate	1302-93-08	30.0 – 60.0	n/a	n/a
Cement, Portland	65997-15-1	10.0 – 30.0	5 mg/m ³	10 mg/m ³
Silica, Quartz	14808-60-7	0.1 – 1.0	0.1 mg/m ³	0.05 mg/m ³
Organic Fibers	n/a	0.1 – 1.0	n/a	n/a

The ingredients listed above are controlled products as defined in CPR, am. SOR/88-555 or 29 CFR 1910.1200

SECTION 03 – HAZARDS IDENTIFICATION:

ROUTES OF ENTRY INTO THE BODY (ACUTE EFFECTS):

Eyes: Direct contact may cause severe irritation. Symptoms may include watering, itching and burning.
Skin: May cause severe irritation including itching and inflammation.
Inhalation: Upper respiratory tract irritation.
Ingestion: Gastrointestinal irritation. Symptoms may include abdominal pain, nausea, diarrhea and vomiting.

WHMIS HAZARD SYMBOL(S):



SECTION 04 - FIRST AID MEASURES:

Eyes: Flush with copious quantities of lukewarm water. Do not attempt to physically remove the solids from the eye. Seek medical attention immediately.
Skin: Remove contaminated clothing. Wash thoroughly with warm water and non-abrasive soap. Seek medical attention if you feel ill or a reaction develops.
Inhalation: Remove to fresh air and provide water. Seek medical attention if you feel ill or a reaction develops.
Ingestion: Do not induce vomiting. Provide water and get immediate medical attention.

SECTION 05 - FIRE FIGHTING MEASURES:

Flammable Conditions: Not applicable
Extinguishing Media: Not applicable
Fire Fighting Measures: Not applicable

Flash Point:	Not applicable
Flammability Limits:	Lower Explosion Limit - not applicable Upper Explosion Limit - not applicable
Autoignition Temperature:	Not applicable
Hazardous Decomposition Products:	Not applicable
Sensitivity - Impact:	None
Static:	None

SECTION 06 – ACCIDENTAL RELEASE MEASURES:

Containment / Clean Up:	Restrict access to the area of the spill. Provide ventilation and protective clothing. Scrape up compound and place in container for disposal. Local, state, provincial, federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup.
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SECTION 07 – HANDLING AND STORAGE:

Handling and Storage:	Store in an adequately ventilated area under dry conditions between 50°F (10°C) to 77°F (25°C) and keep container tightly sealed when not in use.
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SECTION 08 – EXPOSURE CONTROL / PERSONAL PROTECTION:

Component Exposure Limits:	See Section 2.
Respiratory:	NIOSH approved dust respirator is to be worn.
Ventilation:	In indoor applications, passive ventilation (opening of doors and windows) is recommended. Local exhaust as necessary to keep exposure levels within guidelines.
Personal Protective Equipment:	Safety glasses with side-protection, impermeable gloves (e.g., neoprene, nitrile, silver shield (R)), coveralls or apron are important in preventing contamination of eyes, skin and clothing. Wash thoroughly after handling.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Powder
Odor and Appearance:	Odorless, tan to gray granular mixture
Odor Threshold:	Not available
Specific Gravity:	2.6 – 2.7
Vapor Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available
Boiling Point:	Not available
Freezing Point:	Not available
pH:	Not available
Coeff. Oil/Water Distribution:	Not available

SECTION 10 – STABILITY AND REACTIVITY:

Chemical Stability:	Stable
Incompatible Materials:	Not available
Reactive Conditions:	Reacts with water
Hazardous Polymerization:	Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION:

Effects of overexposure:	Acute hazards are to eyes and skin if contacted. Prolonged exposure to the quartz silica in this product may cause silicosis or other respiratory diseases.
Sensitization:	Not Known
Carcinogenicity:	Respirable quartz silica from occupational sources is listed by IARC as a human carcinogen.
Reproductive Toxicity:	Not known
Teratogenicity:	Not known
Mutagenicity:	Not known
Synergistic Products:	Not known

SECTION 12 – ECOLOGICAL INFORMATION:

Air:	Complete information is not yet available.
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Water: Complete information is not yet available.
Soil: Complete information is not yet available.

SECTION 13 – DISPOSAL CONSIDERATIONS:

Waste Disposal: Dispose in accordance with Federal, State / Provincial and local regulations.

SECTION 14 - TRANSPORT INFORMATION:

Shipping Information: Not subject to DOT, TDG, IMDG Code or IATA Regulations.

SECTION 15 - REGULATORY INFORMATION:

TSCA Inventory Status: Chemical components listed on TSCA inventory except as exempted.
NFPA Profile: Health 2, Flammability 0, Reactivity 1
SARA TITLE III Chemical Listings: Section 302 Extremely Hazardous Substances: None
Section 304 CERCLA Hazardous Substances: This product contains the following toxic chemicals which are subject to reporting: None
Section 312 Hazard Class: Acute: Yes; Chronic: No; Fire: No; Pressure: No; Reactive: No
Section 313 Toxic Chemicals: This product contains the following toxic chemicals which are subject to reporting: None
State Substance List: This product contains a listed substance(s) that appears on one or more of the Substance Lists for Pennsylvania, Massachusetts and New Jersey: cristobalite (CAS# 14464-46-1); alumina silicate (CAS# 1302-93-08); cement, portland (CAS# 65997-15-1); and silica, quartz (CAS# 14808-60-7).
California Proposition 65 List: None known
Volatile Organic Content: None
WHMIS Classification: D2A, D2B
Domestic Substance List: Chemical components listed on DSL except as exempted.

SECTION 16 - OTHER INFORMATION:

Preparation Date: April 1, 2011
Date Of Latest Revision/Review:

The information is provided in good faith and is correct to the best of Kel Kem Ltd.'s knowledge as of the date hereof and is designed to assist our customers; however Kel Kem Ltd. makes no representation as to its completeness or accuracy. Final determination of suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.

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