

# MATERIAL SAFETY DATA SHEET

FloorCem SLU

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** FloorCem SLU  
**Product Use:** Self Leveling Underlayment.  
**Manufacturer/Supplier:** Floor Seal Technology, Inc.  
 1005 Ames Ave.  
 Milpitas, CA 95035  
  
**Phone Number:** (408) 436-8181  
**Emergency Phone:** INFOTRAC 1-800-535-5053 (US and Canada)  
 INTERNATIONAL + 1-352-323-3500  
**Date of Preparation:** October 12, 2013 **Revision Date:** October 12, 2013

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

WARNING

IRRITATING TO EYES. IRRITATING TO SKIN.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

- Eye:** Irritating to eyes. May cause burns in the presence of moisture.
- Skin:** Irritating to skin. May cause burns in the presence of moisture.
- Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
- Inhalation:** May cause respiratory tract irritation.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Signs and Symptoms:** May cause serious chemical burns. Severe irritation, redness and pain. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Silica, crystalline, quartz	14808-60-7	40 - 70
Calcium carbonate	1317-65-3	10 - 30
Cement, alumina, chemicals	65997-16-2	7 - 13
Kaolin	1332-58-7	0.1 - 1
Portland cement	65997-15-1	3 - 7
Lithium carbonate	554-13-2	0.1 - 1

**Section 4: FIRST AID MEASURES**

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If swallowed, seek medical attention or call poison control.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

**Section 5: FIRE FIGHTING MEASURES**

**Flammability:** Not flammable by WHMIS/OSHA criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** May include, and are not limited to: oxides of carbon.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Scoop up material and place in a disposal container. Provide ventilation.

**Other Information:** Not available.

**Section 7: HANDLING AND STORAGE**

**Handling:**

Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

**Storage:**

Keep out of the reach of children. Keep container tightly closed and dry. Store in a cool place.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Silica, crystalline, quartz	((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (resp));	0.025 mg/m <sup>3</sup>
Calcium carbonate	((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (total));	10 mg/m <sup>3</sup>
Cement, alumina, chemicals	((250)/(%SiO <sub>2</sub> +5) mppcf TWA (resp))	Not available.
Kaolin	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	2 mg/m <sup>3</sup>
	Not available.	1 mg/m <sup>3</sup> (no asbestos and <1% crystalline silica, respirable fraction)
Portland cement	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	Not available.
Lithium carbonate	Not available.	Not available.

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Personal Protective Equipment:**

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Powder.
<b>Color:</b>	Not available.
<b>Odor:</b>	Not available.
<b>Odor Threshold:</b>	Not available.
<b>Physical State:</b>	Solid.
<b>pH:</b>	10-12
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Specific Gravity:</b>	2.5

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<b>Solubility in Water:</b>	Partial.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	0%, Not applicable; 0 wt, Not applicable.

## Section 10: STABILITY AND REACTIVITY

- Stability:** Stable under normal storage conditions.
- Conditions of Reactivity:** Heat. Incompatible materials.
- Incompatible Materials:** Acids. Ammonium Salts.
- Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon.
- Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

#### Component Analysis

Ingredient	LD <sub>50</sub> (oral)	LC <sub>50</sub>
Silica, crystalline, quartz	120 g/kg, rat (TD <sub>10</sub> )	Not available.
Calcium carbonate	6450 mg/kg, rat	Not available.
Cement, alumina, chemicals	Not available.	Not available.
Kaolin	Not available.	Not available.
Portland cement	Not available.	Not available.
Lithium carbonate	525 mg/kg, rat	> 2.17 mg/L 4hr, rat

- Eye:** Irritating to eyes. May cause burns in the presence of moisture. May cause serious chemical burns. Severe irritation, redness and pain.
- Skin:** Irritating to skin. May cause burns in the presence of moisture. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
- Inhalation:** May cause respiratory tract irritation.

### EFFECTS OF CHRONIC EXPOSURE

- Target Organs:** Not available.
- Chronic Effects:** Hazardous by WHMIS/OSHA criteria.
- Carcinogenicity:** Hazardous by WHMIS/OSHA criteria.

#### Ingredient

#### Chemical Listed as Carcinogen or Potential Carcinogen \*

Silica, crystalline, quartz	G-A2, I-1, N-1, CP65
Calcium carbonate	Not listed.
Cement, alumina, chemicals	Not listed.
Kaolin	Not listed.
Portland cement	G-A4
Lithium carbonate	CP65

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.

**Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.

**Developmental Effects:**

**Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.

**Embryotoxicity:** Not hazardous by WHMIS/OSHA criteria.

**Respiratory Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Skin Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Instructions:**

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Section 14: TRANSPORTATION INFORMATION**

**DOT Ground Classification**

Not regulated

**TDG Ground Classification**

Not regulated

**IATA Classification**

Not regulated

**IMDG Classification**

Not regulated

**Section 15: REGULATORY INFORMATION**

**Federal Regulations**

**Canada:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

**SARA Title III**

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Calcium carbonate	Not listed.	Not listed.	Not listed.	Not listed.
Cement, alumina, chemicals	Not listed.	Not listed.	Not listed.	Not listed.
Kaolin	Not listed.	Not listed.	Not listed.	Not listed.
Portland cement	Not listed.	Not listed.	Not listed.	Not listed.
Lithium carbonate	Not listed.	Not listed.	Not listed.	313

**State Regulations**

**New Jersey Right-To-Know:** Silica, Quartz; Calcium carbonate; Silicate, portland cement; Lithium carbonate. **Pennsylvania Right-To-Know:** Quartz; Limestone; Cement, portland, chemicals; Aluminum oxide. **Massachusetts Right-To-Know:** Quartz; Calcium carbonate; Portland cement.

**California Proposition 65:**

This product contains chemicals known to the State of California to cause cancer. (Silica, crystalline; Titanium dioxide; Acetaldehyde; Vinyl chloride)

This product contains chemicals known to the State of California to cause birth defects or other reproductive harm. (Lithium carbonate; Methanol)

**Global Inventories**

Ingredient	Canada DSL/NDSL	USA TSCA
Silica, crystalline, quartz	DSL	Yes.
Calcium carbonate	NDSL	Yes.
Cement, alumina, chemicals	DSL	Yes.
Kaolin	DSL	Yes.
Portland cement	DSL	Yes.
Lithium carbonate	DSL	Yes.

All ingredients are on DSL/NDSL and TSCA inventories or are exempt from listing.

**HMIS - Hazardous Materials Identification System**

Health - 2\*      Flammability - 0      Physical Hazard - 0      PPE – B

**NFPA - National Fire Protection Association:**

Health - 2      Fire - 0      Reactivity - 0

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**WHMIS Classification(s):**

- Class D2A - Carcinogenicity
- Class D2A - Chronic Toxic Effects
- Class D2B - Skin/Eye Irritant

**WHMIS Hazard Symbols:**



**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**OSHA (O)** Occupational Safety and Health Administration.

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.  
1 - Known to be carcinogens.  
2 - Reasonably anticipated to be carcinogens.

**Section 16: OTHER INFORMATION**

**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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