



## LH 2100

### Lithium Silicate Sealer, Hardener, & Densifier

#### Section 1: Product & Company Information

**Product Name:** LH 2100  
**Manufacturer:** SureCrete Design Products

**Address:** SureCrete Design Products  
15246 Citrus Country Drive  
Dade City, FL 33523

**Emergency Phone: 1-800-544-8488**  
**CHEMTREC: 1-800-424-9300**

**Service Used:** Sealer, hardener, densifier  
**Application:** Finishing Aid

#### Section 2: Ingredient Information

Water; CAS# 7732-18-5; 83 – 88% by weight no hazard

Silicic Acid; lithium salt; lithium silicate; CAS# 12627-14-4; 6-15% by weight no hazard

Proprietary wetting agent 2–11-% by weight no hazard

#### Section 3: Physical/ Chemical Characteristics

**Boiling Point:** 212°F

**Appearance and Odor:** Clear to opalescent white with no odor to mild musty odor

**Density:** <10#'s per gal.

**pH:** 10.8

**Solubility in Water:** miscible

#### Section 4: Fire and Explosion Hazard Data

**Flash Point:** non-flammable

**Flammable Limits**

**LEL:** NA

**UEL:** NA

**Extinguishing Media:** compatible with all extinguishing media

**Special Fire Fighting Procedures:** Chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots

#### Section 5: Reactivity Data

**Stability:** Stable

**Conditions To Avoid:** None

**Incompatibility (Materials to Avoid):** Gels & generates heat when mixed with acid. Absorbs carbon dioxide on exposure to air. May react with ammonium salts resulting in the evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.

**Hazardous Decomposition or Byproducts:** Hydrogen

<b>Section 6: Health Hazard Data</b>			
<b>Route(s) of Entry:</b>	Inhalation	Skin and Eye Contact	Ingestion
<b>Symptoms of Exposure:</b> Skin & eye contact may cause moderate irritation. Inhalation of high concentrations in confined area or ingestion may cause temporary mental impairment.			
<b>Health Hazards (Acute and Chronic):</b> Repeated ingestion or ingestion of large quantities may cause fetal abnormalities and kidney stones.			
<b>Carcinogenicity:</b> No	<b>NTP Carcinogen :</b> No	<b>IARC Monographs:</b> No	<b>OSHA regulated:</b> No
<b>Medical Conditions Generally Aggravated by Exposure:</b> Preexisting conditions of skin, eye, may be aggravated.			
<b>Emergency and First Aid Procedures</b>			
<b>Inhalation:</b> Move to fresh air for nuisance symptoms. Get medical attention.	<b>Skin Contact:</b> Wash affected area thoroughly with soap and water. Wash clothing before reuse. Get medical attention.	<b>Eye Contact:</b> Rinse with running water for 15 mins. - hold eyelids apart while irrigating. Get medical attention.	<b>Ingestion:</b> DO NOT induce vomiting. If victim is conscious, give cup of water. Get medical attention immediately.

<b>Section 7: Precautions for Safe Handling and Use</b>
<b>Steps to Be Taken if Material is Released or Spilled:</b> Small spills may be flushed to sanitary sewer. Large spills contain and pick-up with absorbent material.
<b>Waste Disposal Method:</b> Dispose of in accordance with applicable federal, state, and local regulations.
<b>Precautions to Be Taken in Handling and Storage:</b> Normal precautions according to good housekeeping practices should be followed.
<b>Other Precautions:</b> Keep out of reach from children.

<b>Section 8: Control Measures</b>			
<b>Respiratory Protection:</b> Use a NIOSH-approved dust & mist respirator where spray mist occurs			
<b>Ventilation</b>			
<b>Local Exhaust:</b> Not required	<b>Mechanical (General):</b> Recommended	<b>Special:</b> None known	<b>Other:</b> None
<b>Protective Gloves:</b> Recommended		<b>Eye Protection:</b> Safety glasses	
<b>Other Protective Clothing or Equipment:</b> None			
<b>Work / Hygienic Practices:</b> Normal good housekeeping practice			