

C45



SURECRETE
DESIGN PRODUCTS

LD 1800
Lithium Silicate Sealer, Hardener, & Densifier

Section 1: Product & Company Information

Product Name: LD 1800
Manufacturer: SureCrete Design Products

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

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

Emergency Phone: 1-352-567-7973
CHEMTREC: 1-800-424-9300
INTERNATIONAL 1-813-469-1408
INTERNATIONAL 1-813-469-1419

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	Density: <10 lbs. per gal.
Solubility In Water: miscible	
pH: 10.8	
Appearance and Odor: clear to opalescent white with no odor to mild musty odor	

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 and generates heat when mixed with acid. Absorbs carbon dioxide when exposed 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	

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

Section 7: Precautions for Safe Handling and Use
Steps to Be Taken if Material is Released or Spilled: Small spills may be rinsed to sanitary sewer. Confine large spills and soak up on absorbent material & place in a sealable container.
Waste Disposal Method: Dispose of in accordance with applicable federal, state, and local regulations.
Precautions to Be Taken in Handling and Storage: Normal precautions according to good housekeeping practices should be followed.
Other Precautions: Keep out of reach from children.

Section 8: Control Measures			
Respiratory Protection: Use a NIOSH approved dust and mist respirator, where spray mist occurs.			
Ventilation			
Local Exhaust: Not required	Mechanical (General): Recommended	Special: None known	Other: None
Protective Gloves: Rubber or plastic gloves		Eye Protection: Safety glasses	
Other Protective Clothing or Equipment: none			
Work / Hygienic Practices: Normal good housekeeping practice			