



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

Emergency Phone: 1-352-567-7973
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# 1267-14-4; 6 – 15% by weight – no hazard

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

Section 3: Physical/ Chemical Characteristics

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|---|-----------------------------------|
| 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

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|-----------------------------------|-------------------------|----------------|----------------|
| 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

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| Stability: Stable | Conditions To Avoid: None |
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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 |
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| 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 | | | | |
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| Respiratory Protection: Use a NIOSH approved dust and mist respirator, where spray mist occurs. | | | | |
| Ventilation | | | | |
| <table border="1"> <tr> <td>Local Exhaust: Not required</td> <td>Mechanical (General): Recommended</td> <td>Special: None known</td> <td>Other: None</td> </tr> </table> | Local Exhaust: Not required | Mechanical (General): Recommended | Special: None known | Other: None |
| 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 | | | | |