

SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [LD 1800™](#)

Product Description: Concrete densifier

Intended Use: XS finishing aid

Company

Manufacturer: [SureCrete Design Products, Inc.](#)

15246 Citrus Country Drive

Dade City, FL 33523

USA

Contact: 1-352-567-7973 (telephone general)

1-800-262-8200 Chemtrec

+1 703-741-5500 Chemtrec International

info@surecretedesign.com (e-mail)

1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Causes skin irritation (Category 2)

Causes eye irritation (Category 2)

Hazards summary: Alkaline. Irritating to eyes and skin. Caution - spillages may be slippery.

GHS Label Elements

Hazard symbol:



Signal word: Warning

Label Hazard Statements

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Label Precautionary statements

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if pre-sent and easy to do. Continue rinsing.



SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Lithium Silicate	12627-14-4	235-730-0	<27%
Non Hazardous			
	Trade secret		<79%

The exact percentage of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

General information: Immediately remove contaminated clothing.

Inhalation: Remove patient from exposure, keep warm and at rest. Obtain medical attention.

Skin Contact: Wash contact areas with soap and water. If symptoms develop, obtain medical attention.

Eye Contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Ingestion: Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention.

Most important symptoms and effects, both acute and delayed: Alkaline. Irritating to eyes and skin.

Indication of any immediate medical attention and special treatment needed: Obtain immediate medical attention.

SECTION 5 Fire Fighting Measures

Appropriate Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Hazards Arising from the Substance or Mixture: NA. Non-combustible, aqueous solution.

Advice to fire-fighters: None

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing. Wear eye/face protection.

Environmental precautions: Do not allow to enter drains, sewers or watercourses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

Methods and material for containment and cleaning up: Caution - spillages may be slippery. Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery.

Reference to other sections: See Section 8.

SECTION 7 Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid generation of mist. Provide adequate ventilation. Emergency shower and eye wash facilities should be readily available. See Also Section 8. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

Storage, including any incompatibilities: Keep at a temperature not exceeding 122 F (50°C). Do not allow material to freeze. Provide an adequate bund wall. Unsuitable containers: Aluminum. See Also Section 10.

SECTION 8 Exposure Control / Personal Protection

Exposure limit values:

Component	
Lithium silicate CAS 12627-14-4	No Occupational Exposure Limit assigned. An exposure limit of 1 mg/m ³ (15 min TWA) is recommended by analogy with lithium hydroxide (UK EH40).

Engineering controls: Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

Personal Protection:

Respiratory protection: Not normally required.

Hand protection: Protective Gloves. Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact.

Eye protection: Chemical goggles.

Skin protection: Wear suitable protective clothing and gloves. Plastic or rubber gloves.

SECTION 9 Physical and Chemical Properties

Appearance: Clear liquid.

Physical state: Liquid.

Odor: None.

pH: ~10.8 Alkaline.

Freezing point: NA

Initial boiling point and boiling range: 212°F (100 °C)

Flash point: NA

Evaporation rate: Not applicable.

Flammability (solid, gas): Not applicable.

Explosive Limit Ranges: Not applicable.

Vapor Pressure (mm Hg): Not applicable.

Vapor Density (Air=1): No data.

Density (g/ml) 1.2 g/cm³ (20 C); 25 Bé; 10.0 lbs/gal

Solubility (Water): Soluble.

Solubility (Other): No data.

Partition Coefficient: No data.



Auto Ignition Point: Not applicable.
Decomposition Temperature: Not applicable.
Viscosity (mPa. s): Not applicable.
Explosive properties: Not applicable.
Oxidizing Properties: Not applicable.

SECTION 10 Stability and Reactivity

Reactivity: See below.

Chemical stability: Stable.

Possibility of hazardous reactions: When arc welding vessels containing aqueous solutions of this material, take care to control any explosion risk from hydrogen evolved by electrolysis. This product will react with aluminum, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if in contact with acids. Can react with sugar residues to form carbon monoxide.

Conditions to avoid: See above.

Incompatible materials: See above.

Hazardous decomposition: None known

SECTION 11 Toxicological Information

Acute toxicity

Ingestion: Lithium compounds may damage the central nervous system. A large dose may have the following effects: headache, nausea, dizziness, convulsions, kidney damage.

Inhalation: Mist is irritant to the respiratory tract.

Skin Contact: Repeated and/or prolonged skin contact may cause slight irritation.

Eye Contact: Liquid or mist may cause discomfort and mild irritation.

Skin corrosion/irritation: Irritating to skin.

Serious eye damage/irritation: Irritating to eyes.

Sensitization: Not sensitizing.

Mutagenicity: No data.

Carcinogenicity: IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

Reproductive toxicity: Lithium compounds - teratogenic effects have been observed in laboratory animals.

STOT - single exposure: Not classified.

STOT - repeated exposure: Not classified.

Aspiration hazard: Not classified.

Other information: Lithium compounds may damage the central nervous system.



SECTION 12 Ecological Information

Aquatic toxicity: Lithium compounds - no data.

Persistence and degradability: Inorganic. Soluble silicates, upon dilution, rapidly depolymerize into molecular species indistinguishable from natural dissolved silica.

Bio accumulative potential: Inorganic. The substance has no potential for bioaccumulation.

General notes: Not classified as PBT or vPvB. The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.

SECTION 13 Disposal Considerations

Waste treatment methods: Disposal should be in accordance with local, state or national legislation.

Section 14 Transport Information

Not regulated

UN number: NA

UN proper shipping name: NA

Class: NA

Hazard Label: NA

Packing group: NA

Special precautions for user: No special packaging requirements.

Unsuitable containers: Aluminum.

SECTION 15 Regulatory Information

TSCA Inventory Status: Reported/Included.

AICS Inventory Status: Reported/Included.

DSL/NDSL Inventory Status: Reported/Included.

German Water Hazard Classification: VwVwS: Product ID number 1314, WGK class 1 (low hazard to water).

SARA TITLE III: This material is not a listed Toxic Chemical subject to the reporting requirements of SARA Title III §313 and 40 C.F.R. Part 372. Hazard Categories under SARA Title III §§311/312: Acute

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
