



**Material Safety Data Sheet  
ZeraHard LSD**

**PRODUCT INFORMATION**

Manufacturer: Zeraus Products Inc.  
250 Rayette Road, Unit 18  
Vaughan, Ontario L4K 2G6

**PRODUCT INFORMATION**

Product Identifier: ZeraHard LSD

Application and Use: Water-Based Lithium Silicate Concrete Densifier

Product Description: Water-Based Lithium Silicate Concrete Hardener. It is applied by roller or spray

**HAZARD RATING SYSTEM (USA):**

Health: 2

Flammability: 0

Reactivity: 0

WHMIS Classification (Canada):

Class D, Division 2, Subdivision A

Class D, Division 2, Subdivision B

**TRANSPORTATION OF DANGEROUS GOODS INFORMATION:**

Category 2 Skin corrosion/irritation

**Regulatory information US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance Not listed. SARA 311/312 Hazardous chemical Yes SARA 313 (TRI reporting) Not regulated**

**EMERGENCY TELEPHONE NUMBERS**

Business: (905) 761-9920

24 Hours: (416) 574-5154

**LABEL PRECAUTIONS**

Causes skin irritation. Causes serious eye irritation. Precautionary statement Prevention Wash thoroughly after handling

**PHYSICAL DATA**

Physical State: Liquid

Specific Gravity: 1.05

VOC's: 0 G/L

Boiling Point: n/av

Freezing/Melting Point: n/av

Vapour Pressure: n/av

Viscosity: 80 cps 23°C (73°F)

Boiling Point: >100°C

Vapour Density: n/av

Volatile: 57-60%

Solubility in Water: Dispersible

Odour: Mild Amine odour

Appearance: water clear

## HAZARDOUS INGREDIENTS

Ingredients	CAS#	% (weight)	LD/50 Route/Species
Silicic acid, lithium salt	12627-14-4 8 – 10	25%	

## POTENTIAL HEALTH EFFECTS

### Effect of Overexposure:

#### **INHALATION:**

No inhalation hazard under normal conditions. High mist concentrations may cause irritation of respiratory tract.

**EYE CONTACT:** Eye contact Causes serious eye irritation. Symptoms related to the physical, chemical and toxicological characteristics Irritation of eyes.

**SKIN CONTACT:** Brief contact is not irritating but continuous exposure may irritate the skin. Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material. Not a skin sensitizer

**INGESTION:** May cause throat irritation.

## FIRST AID MEASURES

**INHALATION:** Remove victim to fresh air if inhalation of mist occurs. If adverse effects are experienced see physician.

**EYE CONTACT:** Holding eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes.

**SKIN CONTACT:** wash affected area with soap and water.

**INGESTION:** If swallowed, call the physician immediately. Give 2 glasses of water; do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

## PREVENTIVE MEASURES

Skin protection Hand protection Wear appropriate chemical resistant gloves. Other Wear appropriate chemical resistant clothing. Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Thermal hazards Wear appropriate thermal protective clothing, when necessary. General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## ACCIDENTAL RELEASE MEASURES

### **PROCEDURE IN CASE OF LEAKS:**

Area of spill will be slippery. Use care to avoid falling. Do not flush product into storm sewers, sanitary sewers, or water courses. Soak up product with sand, earth or some other inert material. Dispose of in accordance with all federal, provincial and municipal regulations.

### **ENVIRONMENTAL PRECAUTIONS:**

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.

Environmental precautions Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases. The product is toxic to aquatic life in liquid form. Avoid discharge to sewers or waterways.

**SPILL CONTROL AND DISPOSAL:** Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.

### HANDLING AND STORAGE

Precautions for safe handling Do not breathe mist. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials.

### FIRE AND EXPLOSION DATA

**FLASH POINT:** Non-Combustible, Flash Point: n/a

**EXTINGUISHING MEDIA:** Product does not burn. Aqueous solution is not flammable.

**GENERAL HAZARDS:** This product is non-combustible, but if temperatures are high enough it will boil until water is driven off then the remaining resin solids will burn. Toxic gases may be generated during fire. Containers may rupture when exposed to extreme heat.

**FIRE FIGHTING:** Use water to extinguish fire of polymer solids. A self contained breathing apparatus should be used for all indoor fires.

**HAZARDOUS COMBUSTION PRODUCTS:** No known unusual hazards in fire situation.

### REACTIVITY DATA

**GENERAL:** This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:** Do not contaminate product with any acidic or basic compounds. Do not allow product to freeze.

**HAZARDOUS DECOMPOSITION:** None.

### PREPARATION

Prepared By: A. Zaghoul  
Zeraus Products Inc.  
250 Rayette Road, Unit 18  
Vaughan, Ontario L4K 2G6  
August 2015

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. User should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Zeraus Products Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Zeraus Products Inc. has been advised of the possibility of such damages.*