

# MATERIAL SAFETY DATA SHEET

SUPERABRASIVE, Inc.

## I PRODUCT IDENTIFICATION

**DISTRIBUTOR'S NAME AND ADDRESS:** SUPERABRASIVE, Inc.  
9411 Jackson Trail Road  
Hoschton, GA 30548

**FOR CHEMICAL EMERGENCY  
Spill, Leak, Fire Exposure or Accident  
CALL INFOTRAC – Day or Night** 800/535-5053

**PRODUCT TRADE NAME:** LAVINA SPS Premium Densifier

## II HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	ACGIH TLV/TWA	OSHA PEL/TWA
Lithium Polysilicate Alkaline compound	12627-14-4 *	NE NE	NE NE

NE = Not Established

\*Exact chemical identity withheld as trade secret in accordance with OSHA regulations.

## III TYPICAL PHYSICAL DATA

	BOILING POINT (°F)	FREEZING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air = 1)
LAVINA SPS Premium Densifier	212°F (100°C)	32°F (0°C)	17 (@20°C)	<1
	SPECIFIC GRAVITY	pH	SOLUBILITY IN WATER	APPEARANCE AND ODOR
LAVINA SPS Premium Densifier	1.10	11.0	Appreciable (>99%)	Light green, water-like liquid, practically odorless

## IV FIRE AND EXPLOSION HAZARD DATA

### EMERGENCY OVERVIEW

LAVINA SPS Premium Densifier is a clear, water-like alkaline liquid that is practically odorless. Prolonged contact may cause skin and eye irritation. Inhalation may cause irritation. Ingestion may cause gastric distress.

**FLASH POINT (METHOD):** Non-flammable

**FLAMMABLE LIMITS:** LEL: not applicable UEL: not applicable

**EXTINGUISHING MEDIA:** Carbon dioxide, water, water fog, dry chemical, chemical foam

**FIRE FIGHTING PROCEDURES:** Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes.

**SPECIAL FIRE FIGHTING PROCEDURES:** None.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None.

---

## V HEALTH HAZARD DATA

---

**PRIMARY ROUTES OF EXPOSURE:** Skin, eyes, inhalation, ingestion.

**CARCINOGEN INFORMATION:** Not listed (OSHA, IARC, NTP).

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:**

**EFFECTS OF OVEREXPOSURE:**

**EYE CONTACT:** Contact with eyes may cause pain and irritation.

**SKIN CONTACT:** Contact with skin may cause irritation, dermatitis.

**INHALATION:** Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes.

**INGESTION:** Irritating to digestive tract; may cause gastric distress, stomach pains.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYE CONTACT:** Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

**SKIN CONTACT:** Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

**INHALATION:** Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

**INGESTION:** Drink large quantities of water or milk; DO NOT induce vomiting; seek medical attention immediately.

---

## VI REACTIVITY DATA

---

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Extreme temperatures, keep from freezing.

**INCOMPATIBILITY (MATERIALS TO AVOID):** strong oxidizers, strong acids

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:** Smoke, fumes, oxides of carbon. Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon and lithium, hydrocarbons, fumes, and smoke may be produced.

---

## VII SPILL OR LEAK PROCEDURES

---

**SPILL, LEAK, WASTE DISPOSAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wash small spills with large quantities of water to a sanitary sewer. Large spills – confine spill and pump to container for holding prior to disposal.

**WASTE DISPOSAL METHODS:** Dispose of in accordance with Local, State, and Federal Regulations. This product as supplied is not classified as a hazardous waste and should be suitable for discharge to a sanitary sewer with pH adjustment as needed to meet pretreatment standards. Consult local standards prior to discharge of large quantities of rinse materials.

---

## VIII SPECIAL PROTECTION INFORMATION

---

**RESPIRATORY PROTECTION:** None required in typical use conditions. If mists are present, wear a dust/mist respirator.

**VENTILATION:** The use of local exhaust ventilation is recommended. Use corrosion-resistant ventilation equipment.

**PROTECTIVE CLOTHING:** Coveralls, apron, or other equipment as needed to minimize skin contact.

**PROTECTIVE GLOVES:** Neoprene or rubber gloves with cuffs as needed to prevent prolonged exposure.

**EYE PROTECTION:** Safety glasses with side shields. Depending on application condition, chemical splash goggles or a face shield may be necessary to prevent eye contact.

**OTHER PROTECTIVE EQUIPMENT:** Provide eyewash and clean water for rinsing skin.

---

**IX SPECIAL PRECAUTIONS**

---

**WORK PRACTICES:** Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-masonry surfaces. Always follow published application rates. See the label for specific precautions to be taken during use. Smoking, eating and drinking should be prohibited during the use of this product. Wash hands before breaks and at the end of a shift.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep from freezing. Keep this and other chemicals out of reach of children.

**OTHER PRECAUTIONS:** Avoid generating mists during application.

---

**X REGULATORY INFORMATION**

---

**SHIPPING:** Non-regulated for shipment in all modes; domestic or international.

**SARA 313:** Contains no listed ingredients.

**California Proposition 65:** Contains no listed ingredients.

---

**XI OTHER**

---

**MSDS Status:**           **Date of Revision:** N/A  
                                  **For Product Manufactured After:** March 1, 2009  
                                  **Changes:** New Product  
                                  **Item #:** PLSPS46068  
                                  **Approved By:** Regulatory Department

---

**DISCLAIMER:**

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. **SUPERABRASIVE, Inc. expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described.** This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

**DATE OF PREPARATION:** February 25, 2009