LPS LABORATORIES
MSDS
MATERIAL SAFETY DATA SHEET

Section 1 - Product Identification and Use

Manufacturer's Name:
LPS Laboratories

Address (Number Street):
4647 Hugh Howell Road

Address (City, State, Zip):
Tucker, GA 30085-5052

Trade Name:
LPS Strong Steel Sticks

Chemical Family:
Filled Epoxy Resin

Part Numbers:
60159

Telephone Number: 770-934-7800
Emergency Telephone Number: 1-800-424-9300 Chemtrec
Outside U.S.: (703) 527-3887

Hazardous Materials Description and proper shipping name (49 CFR 172.101): Not Regulated

TSCA Inventory:
All of the ingredients are listed on the TSCA inventory

HMIS Labeling:
Health: 1
Flammability: 1
Reactivity: 0

Section 2 - Hazardous Ingredients / Identity Information

Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Bisphenol A/ Epichlorohydrin Resin	25068-38-6	5-10	N.E.	N.E.	None
Tris (dimethyl amino methyl) phenol	90-72-2	1-2	N.E.	N.E.	None
Mercaptan Polymer	*	10-15	N.E.	N.E.	None
Iron Powder	7439-89-6	10-30	N.E.	15 mg/m3	None
Hydrophobic Silicon Dioxide, Amorphous	67762-90-7	5-10	20 mppcf	10 mg/m3	None
Crystalline Silica	14808-60-7	1-5	0.1 mg/m3	0.1 mg/m3	None
Magnesium Silicate Hydrate	14807-96-6	35-50	20 mppcf	2 mg/m3	None

* specific chemical withheld as a trade secret by the manufacturer of this substance

Section 3 - Physical / Chemical Characteristics

Boiling point (Fº): N.E.
Vapor pressure (mmHg) @ 20ºC: nil
Vapor density (Air = 1): N.E.
Solubility in water: Insoluble
Weight per gallon: 15.8 lbs.
Percent volatile by volume (%): 0
Evaporation rate (n-Butyl Acetate = 1): N.A.
Appearance and odor: Gray and black putty stick, sulfur odor

Section 4 - Fire and Explosion Hazard

Flash point (method used): None **Flammable limits:** **Upper:** N.E. **Lower:** N.E.
Extinguishing media: Use water fog, foam, carbon dioxide (CO2) or dry chemical
Special fire fighting procedures: Wear self-contained breathing apparatus and complete personal protective equipment. Remove all ignition sources.
Unusual fire and explosive hazards: None known.

N.E. = Not established
N.A. = Not applicable

Section 5 - Health Hazard Data

Primary route(s) of entry: Eyes, skin contact
Health hazard/effects of over exposure:
Inhalation: Heated vapors may cause respiratory irritation.
Eyes: Moderately irritating.
Skin: Mildly irritating. May cause allergic reaction evidenced by rashes.
Ingestion: No specific information.
Chronic Effects of Overexposure: Prolonged contact with the skin may result in skin irritation and sensitization.
Carcinogenicity: This material is not considered to be carcinogenic by NTP, IARC or OSHA.
Mutagenicity (Ames Test): Both positive and negative results for CAS# 25068-38-6.
Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Pre-existing skin or lung allergies may increase the chance of developing increased allergy symptoms.
Emergency and first aid procedures:
Inhalation: In case of exposure to a high concentration of vapor or mist, remove person to fresh air. Get medical attention if effects persist. Administer oxygen if necessary.
Eyes: Flush with plenty of water for at least 15 minutes and seek immediate medical attention.
Skin: Remove contaminated clothing and wash contact area with soap and water. Wash clothing before reuse and discard contaminated leather articles. Get medical attention if swelling or reddening occurs.
Ingestion: If appreciable quantities are swallowed, seek medical attention. Do not induce vomiting. Dilute by giving water or milk to drink if victim is conscious.

Section 6 - Reactivity Data

Stability: Stable **Conditions to avoid:** Excessive heat.
Incompatibility (Materials to avoid): Strong oxidizing agents and mineral acids.
Hazardous decomposition products: Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide, aldehydes, acids, oxides of nitrogen and sulfur.
Hazardous polymerization: Will not occur.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Dike spill. Absorb with inert material and collect for disposal. Flush area with water. Prevent washings from entering waterways.
Waste disposal methods: Incinerate or use biological treatment in accordance with local, state and federal regulations. Dispose of as a hazardous waste according to local, state and federal regulations.
RCRA Hazardous Waste No.: N.A.
CERCLA Reportable Quantity: If this product becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.
SARA TITLE III Chemicals: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered under applicable definitions, to meet the following categories: An immediate health hazard. This product contains no ingredients subject to SARA Title III Section 313.

Section 8 - Control Measures

Respiratory Protection: Wear a properly fitted NIOSH/MSHA approved respirator whenever exposure to vapor/mist is likely unless levels are below applicable limits.
Ventilation: Local exhaust is recommended when appropriate to control employee exposure if heated above 100¡ F. Mechanical is not recommended as the sole means of controlling employee exposure.
Protective gloves: For operations where prolonged contact can occur, wear impervious gloves (neoprene, nitrile).
Eye protection: Chemical splash goggles or safety glasses with side shields.
Other protective equipment: For operations where contact can occur, coveralls, apron and rubber foot covering are recommended. A safety shower and eye wash facility should be available.
Work/hygienic practices: Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and launder before reuse. Discard contaminated shoes.

Section 9 - Preparation Date of MSDS

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MSDS LPS Strong Steel Sticks

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