



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supersedes: November 8, 2010

### Section 1 • Product and Company Identification

**Product Name:** Floor Patch (Resin)

**Part Number:** 60943

**Chemical Name:** Epoxy Resin

**Product Use:** An epoxy resin used to repairs holes and cracks in concrete floors, walls, and other surfaces.

**Manufacturer Information:** LPS Laboratories, 4647 Hugh Howell Rd., Tucker, GA, USA 30084

**TEL:** USA & Canada: 1 800 241-8334  
Outside USA and Canada 1 770-243-8800

**Emergency Telephone Number:** Chemtrec: USA&Canada 1-800-424-9300  
Outside USA and Canada: +1 (703) 527-3887

**FAX:** USA & Canada: 1 800 543-1563  
Outside USA and Canada 1 770-243-8899

**Website:** <http://www.lpslabs.com>

#### PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

#### Worker Toxicity

Floor Patch is a renewal composite resin used to repair holes and cracks in concrete floors, walls, and other surfaces. This product is received in three separate forms: resin, hardener, and sand. This MSDS is for the Floor Patch kit component resin. Avoid exposure to unprotected skin when handling the resin; it could cause severe skin irritation or thermal burns. Do not get any of the resin in your eyes; it could cause permanent eye damage (i.e. severe irritation or thermal burns). Under normal use conditions it is unlikely to inhale the resin, however at elevated temperatures where vapors may be produced or mists when mixing is being performed do not breathe the resin, it could cause respiratory irritation. For more exposure and first aid information, refer to MSDS Sections 2, 8 and 11.

#### Flammability

The Floor Patch Resin is non-flammable.

#### Disposal

Dispose of in accordance with local, state, provincial, and federal regulations. See section 13 for more details.



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supersedes: November 8, 2010

---

### Section 2 • Hazards Identification

---

*This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.*

#### Emergency Overview:

**Aerosol:** Not applicable

**Bulk:** DANGER: Potential Sensitizer. Irritant.

**Primary route(s) of entry:** Eye and Skin.

#### Potential Acute Health Effects:

**Eyes:** Moderate irritant (stinging, burning sensation, tearing, redness, swelling). Contact at elevated temperatures can cause thermal burns which may result in permanent damage or blindness.

**Skin:** Moderate irritant. Contact at elevated temperatures can cause thermal burns which may result in permanent damage. May cause skin sensitization (itching, redness, rashes, hives, burning, and swelling).

**Inhalation:** The low vapor pressure of the resin makes inhalation unlikely in normal use. In applications where vapors (caused by high temperature) or mists (caused by mixing) are created, breathing may cause a mild burning sensation in the nose, throat and lungs.

**Ingestion:** Acute oral toxicity is low. May cause gastric distress (nausea, vomiting, and diarrhea).

#### Potential Chronic Health Effects:

**Carcinogenic Effects:** NTP: No IARC: Group 3 (Unclassifiable as to carcinogenicity to humans)  
OSHA: No ACGIH: No

**Mutagenic Effects:** None

**Teratogenic Effects:** None

**Target Organs:** None known.

**Medical conditions aggravated by exposure:** Preexisting eye and skin disorders (e.g. eczema). Development of preexisting skin or lung allergy symptoms may increase.

#### Signs and Symptoms

Discomfort or pain in eyes. Blurred vision. Excess blinking and tear production, with possible redness and swelling of eyes. Repeated or prolonged skin contact can cause redness, irritation, scaling of the skin (dermatitis). Breathing of this material may cause dryness, sore throat, cough, tightness of chest, shortness of breath.

---

### Section 3 • Composition / Information on Ingredients

---

Component	CASRN	Weight Percent
Alkyl Glycidyl Ether	68609-97-2	10-30%
Amorphous Silica	7631-86-9	0.1-1%
Bisphenol A diglycidyl ether resin	25068-38-6	60-100%
Titanium Dioxide	13463-67-7	1-5%



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supercedes: November 8, 2010

---

### Section 4 • First Aid Measures

---

- Eyes:** Check for and remove contact lenses. Immediately, flush eyes with cool, clean, low-pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. Do not use eye ointment. Seek medical attention immediately.
- Skin:** Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. Do not use ointments. Seek medical attention if irritation persists or if chemical burns are present.
- Inhalation:** Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.
- Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention immediately.

---

### Section 5 • Fire Fighting Measures

---

**Products of Combustion:** None known.

**General Fire Hazards:** Sealed containers at elevated temperatures may rupture explosively due to polymerization and/or pressure build up and spread fire. Heating above 300 deg F in the presence of air may cause slow oxidative decomposition and above 500 deg F may cause polymerization.

**Firefighting media:** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use CO<sub>2</sub> or dry chemical.

**Sensitivity to Impact:** None    **Sensitivity to Static Discharge:** None

**Protection Clothing (Fire):** None.

**Special Remarks on Explosion Hazards:** None.

---

### Section 6 • Accidental Release Measures

---

- |                               |  |  |
|-------------------------------|--|--|
| <b>Containment Procedures</b> | <b>Small Spill and Leak:</b>                                       | Absorb with an inert material and dispose of properly.   |
|                               | <b>Large Spill and Leak:</b>                                       | Secure the area and control access. Dike far ahead of a liquid spill to ensure complete collection. Pick up free liquid for disposal using absorbent pads, sand, or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal. |
| <b>Clean-Up Procedures</b>    | Recover free product and place in suitable container for disposal. |  |
| <b>Evacuation Procedures</b>  | Evacuate area, and keep unnecessary and unprotected people away.   |  |
| <b>Special Procedures</b>     | Wear appropriate protective equipment during cleanup.              |  |



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supercedes: November 8, 2010

### Section 7 • Handling and Storage

**Handling:** Use with adequate ventilation. Avoid breathing vapor or mist.

**Storage:** Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.

### Section 8 • Exposure Controls / Personal Protection

#### Exposure Guidelines:

Component	CASRN	OSHA TWA-PEL	OSHA STEL	ACGIH TLV	ACGIH STEL	NIOSH
Alkyl Glycidyl Ether	68609-97-2	Not Established	Not Established	Not Established	Not Established	Not Established
Amorphous Silica	7631-86-9	Not Established	Not Established	Not Established	Not Established	Not Established
Bisphenol A diglycidyl ether resin	25068-38-6	Not Established	Not Established	Not Established	Not Established	Not Established
Titanium Dioxide	13463-67-7	Not Established	Not Established	10 mg/m <sup>3</sup>	Not Established	Not Established

**Engineering Controls:** Provide general and/or local exhaust ventilation to keep exposures below the exposure guidelines.

#### Personal protective equipment:

##### Eye protection:

Safety glasses with side shields conforming to appropriate regulations. Where there is reasonable probability of liquid contact, wear splash-proof goggles. Eye wash fountain and emergency shower facilities are recommended.

##### Hand protection:

Use chemically resistant gloves (i.e., nitrile). Please observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves. Take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion and the contact time.

##### Respiratory protection:

If airborne concentrations are above the applicable exposure limits (listed above), use NIOSH approved respiratory protection.

##### General Hygiene Considerations:

Wash thoroughly after handling. Have eye-wash facilities immediately available.



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supersedes: November 8, 2010

### Section 9 • Physical and Chemical Properties

<b>Appearance:</b>	Liquid	<b>Color:</b>	Translucent	
<b>Odor:</b>	Faint	<b>Evaporation Rate:</b>	<1 (BuAc=1)	
<b>Solubility Description:</b>	Negligible	<b>Flash Point:</b>	>148.8°C (300°F)	
<b>Boiling Point:</b>	260°C(500°F)	<b>Flash Point Method:</b>	Estimated	
<b>Specific Gravity (H2O=1):</b>	1.1-1.3	<b>Decomposition Temperature:</b>	Not Established	
<b>Vapor Density (air = 1):</b>	>1	<b>Auto ignition temperature:</b>	Not Established	
<b>Vapor Pressure:</b>	<0.03 mmHg at 77°C	<b>Flammable limits (estimated):</b>	LOWER:	N.E.
			UPPER:	N.E.
<b>Rule 1171 PPc:</b>	Not Applicable	<b>Partition Coefficient (octanol/water):</b>	Not Established	
<b>V.O.C. Content:</b>	Aerosol:	Not Applicable	<b>Odor Threshold:</b>	Not Established
	Bulk:	0%, 0 g/L		
<b>Melting Point:</b>	Not Established	<b>Viscosity:</b>	Not Established	
<b>pH:</b>	Neutral	<b>Volatiles:</b>	0%	
<b>Heat of combustion:</b>	Not Established			

### Section 10 • Stability and Reactivity

<b>Chemical Stability:</b>	Product is stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Open flame and extreme heat.
<b>Incompatibility:</b>	Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (esp. primary and secondary aliphatic amines). Sodium or calcium hypochlorite. Peroxides.
<b>Hazardous Decomposition:</b>	Fumes produced when heated to decomposition may include: oxides of carbon, aldehydes and acids .
<b>Hazardous Polymerization:</b>	Will not occur.

### Section 11 • Toxicological Information

#### Acute and Chronic Toxicity

##### A: General Product Information

An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supersedes: November 8, 2010

### B: Component Analysis

Component	CASRN	LC-50	LD-50
Alkyl Glycidyl Ether	68609-97-2	Not Established	17100 mg/kg/rat/oral
Amorphous Silica	7631-86-9	>200 g/m <sup>3</sup> /1H/rat	Not Established
Bisphenol A diglycidyl ether resin	25068-38-6	Not Established	2 g/kg/rat/dermal 5 g/kg/rat/oral
Titanium Dioxide	13463-67-7	Not Established	Not Established

### Section 12 • Ecological Information

<b>Mobility:</b>	Not Established	<b>Persistence and degradability:</b>	Not Established
<b>Bioaccumulative potential:</b>	Not Established	<b>Other Adverse Effects:</b>	None Known

#### Ecotoxicity:

Effect on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	No Data Available				
Acute Toxicity on Daphnia					
Bacterial inhibition					
Growth inhibition of algae					
Bioaccumulation in fish					

### Section 13 • Disposal Considerations

**Waste Status:** If disposed of in its received form, this item is not considered a hazardous waste. (U.S.)

**Disposal:** Waste must be disposed of in accordance with federal, state, provincial, and local environmental control regulations.

**Note:** Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supersedes: November 8, 2010

---

### Section 14 • Transport Information

---

This material is not regulated by any mode of transportation.

---

### Section 15 • Regulatory Information

---

#### U.S. Federal Regulations

RCRA Hazardous Waste No.: None

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): None

#### Toxic Substances Control Act (TSCA):

All components of this product are TSCA inventory listed and/or are exempt.

#### Superfund Amendments and Reauthorization Act (SARA) Title III

##### SARA Section 311/312 (40 CFR 370) Hazard Categories:

Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard.

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Title III Section 313 (40 CFR 372): None

Section 112 Hazardous Air Pollutants (HAPs): None



# MATERIAL SAFETY DATA SHEET

## Floor Patch (Resin)

Revision Date: November 19, 2010

Supersedes: November 8, 2010

### State Regulations

**California:** This product does **not** contain chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm.

**California and OTC States:** This product is not regulated under consumer product regulations.

**New Jersey Right to Know:** Bisphenol A diglycidyl ether resin 25068-38-6 • Alkyl Glycidyl Ether 68609-97-2 • Titanium Dioxide 13463-67-7 • Amorphous Silica 7631-86-9 •

### International Regulations

**Canadian Environmental Protection Act:** All of the components of this product are included on the Canadian Domestic Substances list (DSL).

### Canadian Workplace Hazardous Materials Information System WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

### WHMIS Classification:

Class D2A, Class D2B

### Other Regulations

Montreal Protocol listed ingredients:	None.
Stockholm Convention listed ingredients:	None.
Rotterdam Convention listed ingredients:	None.
RoHS Compliant:	Yes.

## Section 16 • Other Information

MSDS# 160943 LPS® Floor Patch Responsible Name: Clea George Regulatory Affairs Coordinator Telephone: +1 770 243-8800	HMIS 1996		HMIS III		<b>NFPA</b> Flammability  Health      Reactivity
	Health:	2	Health:	[/]2	
	Flammability:	1	Flammability: aerosol	N.A.	
			Flammability: bulk	1	
Reactivity:	1	Physical Hazard: aerosol	N.A.		
		Physical Hazard: bulk	0		

### Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of 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.

Clea L George, Regulatory Affairs Coordinator  
LPS Laboratories  
A division of Illinois Tool Works