



Calicorp, Inc.  
CAL551-311 Patch Compound

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Revision Date: 05/04/05  
MSDS No. 9

## Section 1: Chemical Product and Company Information

### PRODUCT

**NUMBER:** CAL 551-311  
**NAME:** CAL551-311 Patch Compound  
**DESCRIPTION:** 100% Solids Industrial Repair and Wear Patch Compound for Concrete and similar Substrates

### MANUFACTURER

Calicorp, Inc.  
629 Tandy Court  
Chico, Ca. 95973

### EMERGENCY TELEPHONE NUMBERS

Domestic: 888.BATT.MAT  
International: 530.228.8628

## Section 2: Composition/Information on Ingredients

COMPONENT	%	CAS #	EXPOSURE LIMIT
<b>RESIN</b>			
Novolac Resin	10 - 40%	28064-14-4	TLV PEL: none established
<b>HARDENER</b>			
1-Propanamine	30% or less	919-30-4	
Modified Polyamine	80% or less	Trade Secret	no established limit

## Section 3: Hazards Identification

	RESIN	HARDENER
<b>Inhalation</b>	LC <sub>50</sub> (rabbits): 6000 mg/kg	LC <sub>50</sub> : possible respiratory irritant if atomized
<b>Skin Contact</b>	LD <sub>50</sub> (rabbits): 4000 mg/kg	Possible irritant, dermatitis in extreme
<b>Eye Contact</b>	Irritating	Severe irritant
<b>Ingestion</b>	LD <sub>50</sub> (rabbits): 4000 mg/kg	LD <sub>50</sub> (rats): 3000 mg/kg
<b>Acute Overexposure</b>	Irritation, possible sensitization	Irritation, possible sensitization, nausea
<b>Chronic Overexposure</b>	Skin sensitization, dermatitis	Skin sensitization, nausea, may be corrosive



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#### Section 4: First Aid Measures

	RESIN	HARDENER
Ingestion	If large amounts are ingested, induce vomiting if conscious.	Call physician immediately. Give generous amounts of water if conscious. <b>Do not</b> induce vomiting.
Eyes	Immediately flush eyes with water for 15 minutes. Call physician.	
Skin	Promptly wash with mild soap and water.	
Inhalation	Remove to fresh air. Give oxygen if breathing is difficult.	

#### Section 5: Fire Fighting Measures

	RESIN	HARDENER
Flash Point	> 300o F (149o C)	> 200o F (93o C)
Extinguishing Media	Carbon Dioxide, foam, dry chemical	
Special Procedures	Use a self-contained breathing apparatus.	

**NOTE:** decomposition and combustion products may be toxic

#### Section 6: Accident Release Measures

	RESIN	HARDENER
Steps to be taken if material is spilled	Shovel into closeable container for disposal.	Absorb into sand or other absorbent material. Shovel into closeable container and dispose of in professional manner.

Contains no VOCs. No special procedures are needed for accidental release containment and clean-up.

#### Section 7: Handling and Storage

<b>HANDLING:</b>	This chemical may cause irritation. When heated to decomposition it emits toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride gas. Avoid contact with skin and eyes. Keep container tightly closed. Avoid freezing or extreme heat.
<b>STORAGE:</b>	Normal warehouse storage conditions acceptable.



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## Section 8: Exposure Controls/Personal Protection

Ventilation Requirements	Good general mechanical ventilation and local exhaust
Specific Personal Protective Equipment	Organic chemical cartridge respirator if needed in non-vented area
Eyes	Splash-proof chemical goggles
Gloves	Impervious gloves
Other	Appropriate equipment to prevent probability of skin and eye contact.

## Section 9: Physical and Chemical Properties

	RESIN	HARDENER
Specific Gravity	1.99	1.03
% Volatiles by volume	Nil	< 0.5%
Appearance/Odor	Gray	Brown/Slight sweet odor
Melting Point	< 0 degrees F (-18 <sup>0</sup> C)	< 0 degrees F (-18 <sup>0</sup> C)
Solubility in Water (% by weight)	Negligible	Negligible
pH	ca 5	ca 10

## Section 10: Stability and Reactivity

	RESIN	HARDENER
Conditions contributing to instability	Stable	<b>Do not</b> heat in bulk as dangerous decomposition may occur, liberating toxic fumes.
Hazardous Decomposition Products	Carbon Monoxide, Carbon Dioxide, Phenolics	Carbon Monoxide, Carbon Dioxide, Phenolic Nitrogen Oxides and Compounds
Conditions Contributing to Hazardous Polymerization	Will not occur	Heating in bulk

**Incompatibility** Strong oxidizers, strong acids and bases

**Special Precautions** Can cause irritation; wear protective skin and eye equipment.  
**Do not** heat in bulk; dangerous decomposition may occur, liberating toxic fumes.

## Section 11: Toxicological Information

A skin and eye irritant. Moderately toxic by ingestion and skin contact.

COMPONENT	SAX TOXICITY EVALUATION
Novolac Resin	Not listed by NTP
1-Propanamine	Not available
Modified Polyamine	Moderately toxic by ingestion. Mildly toxic by skin contact. An eye irritant.



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### Section 12: Ecological Information

This product is not considered a hazardous waste under the RCRA.

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### Section 13: Disposal Considerations

	RESIN	HARDENER
<b>Aquatic Toxicity</b>	Not available at this time	Not available at this time
<b>Waste Disposal Method</b>	Not considered hazardous under RCRA (40CFR 261) Dispose according to state, federal and local regulations.	

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### Section 14: Transport Information

This product is not DOT regulated and is not considered a hazardous waste under the RCRA.

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### Section 15: Regulatory Information

**OSHA:** None.

**ACGIH:** None.

**NIOSH Criterion Document:** None.

**NFPA Hazard Rating:** Health (H): None. Flammability (F): None. Reactivity (R): None

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### Section 16: Other Information

- OSHA** Occupational Safety and Health
- ACGIH** American Conference of Governmental Industrial Hygienists
- NIOSH** National Institute for Occupational Safety and Health
- NFPA** National Fire Protection Association
- NTP** National Toxicology Program