



Calicorp, Inc.
CAL551-009 Industrial Adhesive

Page 1 of 4
Revision Date: 03/22/06
MSDS No. 4

Section 1: Chemical Product and Company Information

PRODUCT

NUMBER: CAL 551-009
NAME: CAL551-009 Industrial Adhesive
DESCRIPTION: Industrial Maintenance Coating and Adhesive for Metal and Concrete Substrates, Ceramic-Filled, 100% Solids

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
RESIN			
Bisphenol A	10 – 50%	25085-99-8	TLV PEL: none established
HARDENER			
Polyamide	50% or less	68410-23-1	
Polyamido Amine	50% or less	647-754-99-0	Not listed by NTP.
Modified Polyamine	30% or less	Trade Secret	no established limit

Section 3: Hazards Identification

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



Calicorp, Inc.
CAL551-009 Industrial Adhesive

Page 2 of 4
Revision Date: 03/22/06
MSDS No. 4

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. Do not 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

HANDLING: Avoid contact with skin and eyes. Keep container tightly closed. Avoid freezing or extreme heat.
STORAGE: Normal warehouse storage conditions acceptable.

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.



Calicorp, Inc.
CAL551-009 Industrial Adhesive

Page 3 of 4
Revision Date: 03/22/06
MSDS No. 4

Section 9: Physical and Chemical Properties

	RESIN	HARDENER
Specific Gravity	1.41	0.97
% Volatiles by volume	Nil	< 0.5%
Appearance/Odor	Olive Brown	Brown/Slight sweet odor
Melting Point	< 0 degrees F (-18 ⁰ C)	< 0 degrees F (-18 ⁰ 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	Do not 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	

Section 11: Toxicological Information

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

COMPONENT	SAX TOXICITY EVALUATION
Bisphenol A	Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A skin and eye irritant.
Polyamide	MODERATE via oral, intraperitoneal, subcutaneous and dermal routes. SEVERE rabbit eye irritant and MILD rabbit skin irritant.
Polyamido Amine	Not listed by NTP.
Modified Polyamine	Moderately toxic by ingestion. Mildly toxic by skin contact. An eye irritant.

Section 12: Ecological Information

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



Calicorp, Inc.
CAL551-009 Industrial Adhesive

Page 4 of 4
Revision Date: 03/22/06
MSDS No. 4

Section 13: Disposal Considerations

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

Section 14: Transport Information

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

Section 15: Regulatory Information

OSHA: None.

ACGIH: None.

NIOSH Criterion Document: None.

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

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