

MATERIAL SAFETY DATA SHEET

DATE: 02/20/08

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Section 1

PACER TECHNOLOGY
9420 Santa Anita Avenue
Rancho Cucamonga, CA 91730

For Chemical Emergency Only:
In the US & Canada (800) 424-9300
Int'l & Wash DC (COLLECT) (703) 527-3887
Telephone for Information:(909) 987-0550

PRODUCT IDENTIFICATION:

HAZARD RATING

QUICK SETTING EPOXY GEL - PART A: RESIN

1
2 x 0

Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Epoxy resin 25068-38-6	NE	NE		100%

* Chemical subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: >225F	Specific Gravity (H2O=1): 1.15
Vapor Density (Air=1): NE	Melting Point: NE
Vapor Pressure (mm Hg): NE	Evaporation Rate (Butyl Acetate = 1): NE
Solubility in Water: Insoluble.	Viscosity (nominal): 150,000 cps
Appearance & Odor: Green paste with no odor.	

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method Used): >200 F (PMCC) Flammable Limits: LEL: NE UEL: NE

Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray.

Special Fire Fighting Procedures: Do not enter confined fire space without full bunker gear (helmet/face shield, bunker coat, gloves & rubber boots). Use positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards: Do not breathe fumes. Unidentified fumes & vapors may be toxic.

Section 5 - REACTIVITY DATA:

Stability: Unstable ___ Stable XX Conditions to Avoid: Excessive heat for prolonged periods of time.
Large mixtures in bulk – curing process is exothermic.

Incompatibility (Materials to Avoid): Strong oxidizing agents, strong acids and bases.

Hazardous Decomposition Products: Thermal decomposition or burning may release oxides of carbon and nitrogen.

Hazardous Polymerization: May Occur ___ May Not Occur XX

Section 6 - HEALTH HAZARD DATA:

Route(s) of Entry: Inhalation: YES Skin: YES Ingestion: YES

Health Hazards (Acute and Chronic)

Acute - Moderately irritating to skin and eyes. Possible skin sensitizer.

Chronic – Pre-existing skin and eye disorders may be aggravated. May be absorbed through the skin in toxic amounts.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

First Aid Procedures:

Eye contact - flush eyes with copious amounts of water for 15 min. while holding eyes open. Get medical attention immediately.

Skin contact - remove contaminated clothing and wash from skin with soap/water. Get medical attention if symptoms persist. Launder clothing before reuse. Contaminated leather articles i.e. shoes should be disposed of as contaminated waste. NOTE: hot product burns require immediate medical attention.

Inhalation - Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Ingestion - Do not induce vomiting. If conscious, give plenty of water to drink. Call a physician.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Avoid contact with liquid and vapors. Wipe with a cloth or collect on absorbent material. For large spills, dike and contain. Pump or shovel into salvage containers.

Waste Disposal Method: Cure, then remove salvage containers to a waste disposal site according to federal, state and local regulations. RCRA status – not considered to be a hazardous waste.

Precautions to Be Taken in Handling and Storing: Store in cool, dry place away from open flames and high temperatures.

Other Precautions: Empty containers may contain product residues and should be disposed of properly.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): Organic vapor respirator in areas with poor ventilation when vapor/mist exposure is likely.

Ventilation: Local Exhaust: Good Mechanical (General): As needed.

Protective Clothing or Equipment: Safety glasses/goggles with side shields, chemically resistant gloves and other protective equipment to avoid direct contact. For prolonged exposure, impervious clothing and shoes to minimize personal contact. Eye wash station; safety shower.

Work/Hygienic Practices: Avoid contact with eyes or skin. May cause allergic skin reaction. Use in well ventilated area. Wash hands with soap and water after product use. Launder contaminated clothing before reuse and disposed of leather articles as contaminated waste.

SPECIAL PRECAUTIONS: WARNING! CAUSES SKIN AND EYE IRRITATION. May cause allergic skin reactions. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Section 9 - SHIPPING INFORMATION:

DOT proper shipping name: not regulated.

DOT Class: Not regulated

NA = Not applicable

NE = Not established

The data contained herein is based upon information that Pacer Technology believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

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PRODUCT IDENTIFICATION:

HAZARD RATING

QUICK SETTING EPOXY GEL- PART B: HARDENER

1
2 x 0

Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Modified Polymercaptan	90-72-2	NE	NE	85-95
Amine (proprietary)		NE	NE	5-15

* Chemical subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point:	>225F	Specific Gravity (H2O=1):	1.05
Vapor Density:	NE	Melting Point:	NE
Vapor Pressure:	NE	Evaporation Rate (Butyl acetate = 1):	NE
Solubility in Water:	Moderate.	Viscosity (nominal):	95,000 cps
Appearance & Odor:	White paste with mercaptan odor.		

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method): >200 F (PMCC) Flammable Limits: LEL: NE UEL: NE

Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Special Fire Fighting Procedures: Cool exposed containers with water spray. Wear self-contained breathing apparatus in confined areas.

Unusual Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

Section 5 - REACTIVITY DATA:

Stability: Unstable ___ Stable XX Conditions to Avoid: Excessive heat for prolonged periods of time.

Incompatibility (Materials to Avoid): Strong oxidizing agents, strong acids & bases.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Hazardous Polymerization: May Occur ___ May Not Occur XX

Section 6 - HEALTH HAZARD DATA:

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes (oral rat LD50: 1.2g/kg)

Health Hazards (Acute and Chronic):

Vapors are extremely irritating to skin, eyes and respiratory tract. Moderate toxicity on ingestion; may cause burns of mouth and throat. Repeated or prolonged exposure to skin may be harmful, cause chemical burns or may develop allergic reaction. Prolonged eye exposure may cause permanent damage.

MATERIAL SAFETY DATA SHEET
QUICK SETTING EPOXY GEL - PART B: HARDENER

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

First Aid Procedures:

Eye contact - immediately flush eye with copious amounts of water for 15 minutes while holding eyelids open. Get medical attention.

Skin contact - Remove contaminated clothing and wash affected areas with soap and water. Launder clothing prior to re-use.

Inhalation - Remove to fresh air. If breathing is difficult or if symptoms persist, get medical attention. Administer oxygen if necessary.

Ingestion - Do not induce vomiting. If conscious, give plenty of water to drink. Get medical attention.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Avoid direct contact with skin, eyes or clothing. Stop leaks & contain spill. Soak up with absorbent material for disposal in proper container, wearing adequate protective clothing/respiratory protection.

Waste Disposal Method: Dispose of in accordance with federal, state or local regulations.

Precautions to Be Taken in Handling and Storing: Do not store near epoxy resin, protect containers to avoid leaks and spills. Do not expose to elevated temperatures. Store in a cool, dry area in tightly closed containers. Use good hygiene practices.

SPECIAL PRECAUTIONS: WARNING! CAUSES SKIN AND EYE IRRITATION AND ALLERGIC SKIN REACTION. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): Organic vapor respirator (compliant to 29 CFR 1910.134) to avoid inhalation of mist or vapor in poorly ventilated areas.

Ventilation: Local Exhaust: Good Mechanical (General): As needed.

Protective Clothing or Equipment: Safety glasses/goggles with side shields, rubber gloves, chemical resistant shoes and protective clothing to avoid direct contact.

Work/Hygienic Practices: Avoid prolonged or repeated direct contact or breathing of mist or vapor. May cause allergic skin reaction. Use with adequate ventilation. Wash hands with soap and water after use. Launder contaminated clothing before reuse.

Section 9 - SHIPPING INFORMATION:

DOT proper shipping name: not regulated.

DOT Class: Not regulated

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