

Section 1

PACER TECHNOLOGY
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For Chemical Emergency Only:
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HAZARD RATING (HMIS/NFPA)

Health = 1

Flammability = 2

Reactivity = 1

I. PRODUCT IDENTIFICATION:**Clear Glass Adhesive****II. COMPOSITION**

INGREDIENTS	CONCENTRATION%	C.A.S.#	ACGIH TLV
Urethane acrylate oligomer	50-80	Trade secret	NE (not established)
Acrylate ester	10-30	Trade secret	NE
Photoinitiator(s) blend	1-3	Trade secret	NE
Glass wetting agents	1-10	Trade secret	NE
Acrylic acid *	1-10	79-10-7	2ppm TWA

*SARA Section 313 Toxic Chemical

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure:	not established	Vapor Density:	Heavier than Air
Solubility in water:	insoluble	Specific Gravity:	1.08
Boiling point:	NA (not applicable)	Appearance:	clear, transparent liquid
Odor:	mild		

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flashpoint (TOC.): 175F

Recommended Extinguishing Agents: Foam, dry chemical or CO₂

Hazardous Products Formed by Fire or Thermal Decomposition: Toxic fumes of carbon and nitrogen oxides may evolve upon exposure to heat or open flame.

Unusual Fire or Explosive Hazards: none

Compressed gases: none

Solvents: none

Pressure at 23C: N/A

V. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: May not occur

Hazardous Decomposition Products: None known

Incompatibility: oxidizers, heat, strong mineral acids, thiosulfates

VI. SPILL OR LEAK PROCEDURES

Spontaneous hazardous polymerization may occur. Use eye and skin protection. Maintain adequate ventilation. Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Store in a half-filled, closed container until disposal. Dispose in accordance with current local, state, and federal regulations.

VII. STORAGE AND HANDLING PROCEDURES

Storage: Avoid storage over 100F, contamination with incompatible materials. Do not store in direct sunlight.

Handling: Avoid eye and skin contact. Avoid prolonged or repeated breathing of vapor.

VII. SHIPPING REGULATIONS

DOT and IATA Hazard Classification: Unrestricted Articles (not more than 450 liters)

Proper DOT Shipping Name: N/A

IX. EMERGENCY TREATMENT

Eye Irritation: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

Skin Contact: Wash thoroughly with soap and water. Do not use organic solvents on skin. Wash contaminated clothing before reuse.

Inhalation: Remove person to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Keep individual calm. Get medical attention.

X. PERSONAL PROTECTION

Respiratory: Use proper positive airflow ventilation in work areas.

Skin: Avoid skin contact, wear neoprene gloves and protective clothing if in direct contact with material.

Eyes: Wear chemical safety goggles or side shield safety glasses.

XI. HEALTH HAZARD DATA

Hazard Categories: immediate X Delayed X fire pressure reactivity X

Potential Routes of Entry: skin X inhalation X ingestion X

Symptoms of Overexposure: Liquid is an eye and skin irritant. Possible skin sensitizer. Vapor may irritate eyes, nose & throat.

Conditions Aggravated by exposure: Dermatitis and possible skin allergies, asthma.

Exposure limits:	ACGIH	OSHA	OTHER
Ingredients			
Acrylic Acid	2ppm TWA	10ppm TWA	1ppm TWA
	Target organs	Carcinogen	
		NTP IARC OSHA	
		None None None	

XII. PREPARATION INFORMATION

Previous Date: 08/08/08

Current Revision 3 : 11/24/09

PREPARED BY: Mary Robles

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