

MATERIAL SAFETY DATA SHEET

TEMPHASE CATALYST PASTE

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867-5422
Telephone: 1-800-KERR-123
Emergency: Chemtree 1-800-424-9300
Date Prepared: June 6, 2005

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Uncured Methacrylate Ester Monomers	109-16-0	N/A	N/A	50-60
Benzoyl Peroxide	94-36-0	5 mg/m ³	5 mg/m ³	1-2

Other Ingredients:

Inert mineral fillers and stabilizers

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/D
Specific Gravity (H₂O = 1): 1.5
Vapor Pressure (mm Hg): N/D
Vapor Density (AIR= 1): N/D
Solubility in Water: Insoluble
Appearance and Odor: Colored paste with fruity ester-like odor.

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/D
Flammable Limits: LEL: N/D UEL: N/D
Extinguishing Media: Chemical foam, CO₂, dry chemical
Special Fire Fighting Procedures: Wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Heat can cause polymerization with rapid release of energy.

5 - REACTIVITY DATA

Stability: Stable if stored as directed
Conditions to Avoid: Heat, aging and contamination
Incompatibility (Material to Avoid): Reducing agents and amines.
Hazardous Decomposition Products: Oxides of carbon
Hazardous Polymerization: Will not occur when using clinical amounts of this material.

6 - HEALTH HAZARD DATA

Routes of Entry:

Skin: Prolonged or repeated exposure to uncured material may cause irritation or skin rash especially in sensitive individuals.

Eyes: May cause irritation and damage if not removed promptly.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. Seek medical attention.

Carcinogenicity - NTP: No

IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash with soap and water.

Eyes: Flush with water for 15 minutes. Contact physician.

Inhalation: Remove to fresh air. If irritation persists, contact physician.

Ingestion: Contact a physician.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Absorb spills with inert material-keep spilled material out of sewers.

Waste disposal method: Unpolymerized (uncured) material may be RCRA hazardous waste. Incinerate uncured material in accordance with all federal, state and local regulations.

Precautions to be taken in handling and storing: Store in a cool, dry place away from heat and ignition sources.

9 - CONTROL MEASURES

Respiratory Protection: Use in a well-ventilated area.

VENTILATION:

Local Exhaust: Adequate ventilation to maintain PEL

Mechanical (General): Should be sufficient

Protective Gloves: Latex or other impervious rubber material

Eye Protection: Safety glasses or goggles

Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Not DOT regulated.

11 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:

H2 F1 R2

[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard;

2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

Note: Hazard information contained on this MSDS form relates only to material in its uncured state. Thorough biocompatibility and toxicity testing of the cured material and its extracts have demonstrated that the material is non-toxic.