

MATERIAL SAFETY DATA SHEET

Herculite XRV Paste Products

1 - IDENTIFICATION

Manufacturer's Name: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867-5422
Telephone/Emergency: 800-KERR-123 / 800-424-9300
Date Prepared: February 28, 1998

2 - COMPOSITION INFORMATION

Hazardous Ingredients

Uncured Methacrylate Ester Monomers CAS# 109-16-0 20-35%
(Triethylene Glycol Dimethacrylate) PEL: NE TLV: NE UN#: N/A

Other Ingredients

Non-hazardous inert mineral fillers, non-hazardous activators and stabilizers.

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/D
Specific Gravity (H₂O · 1): 2.5
Vapor Pressure (mm Hg.): N/D
Melting Point: N/D
Vapor Density (AIR · 1): N/D
Solubility in Water: Insoluble
Reactivity in Water: N/A
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/A **UEL:** N/D
Extinguishing Media: Chemical Foam, CO₂, Dry Chemical
Special Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS
Auto-Ignition Temperature: N/D
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, light, aging and contamination.
Incompatibility (Material to Avoid): Reducing and oxidizing agents, peroxides and amines.
Hazardous Decomposition Products: Oxides of Carbon
Hazardous Polymerization: May Occur.
Conditions to avoid: Heat, light, aging and sources of contamination.

6 - HEALTH HAZARD DATA

Health Hazards:

Eye Contact: May cause irritation and damage if not removed promptly.
Skin Contact: Prolonged or repeated exposure to uncured material may cause irritation or skin rash especially in sensitive individuals.
Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion: Uncured material may be harmful if swallowed.

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

7 - EMERGENCY/FIRST AID PROCEDURES:

Eyes: Flush with water for 15 minutes including under eyelids.
Skin: Wash thoroughly with soap and water.
Inhalation: Remove to fresh air - get medical attention if discomfort persists.
Ingestion: Rinse mouth out with water - do not induce vomiting. Seek medical attention.

8 - PRECAUTIONS FOR SAFE HANDLING AND 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 light and ignition.

9 - CONTROL MEASURES

Respiratory Protection (Specify Type): Avoid prolonged or excessive breathing of vapors of uncured material.

VENTILATION

Local Exhaust: Good general ventilation should be sufficient to control airborne levels of vapors released by uncured material.

Mechanical (General): Good general ventilation recommended.

Special: None required.

Other: N/A

Protective Gloves: Impervious rubber gloves recommended when contacting uncured material.

Eye Protection: Safety glasses recommended.

Other Protective Clothing or Equipment: N/A

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

10 - TRANSPORTATION INFORMATION

Not Regulated

SPECIAL INFORMATION

This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate.

State RTK: N/A

Ratings: HMIS: H2F1R2PPE-Gloves and safety glasses. Hazard information relates only to uncured material.

Hazard 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 it's uncured state. Thorough biocompatibility and toxicity testing of the cured material and it's extracts have demonstrated that the material is non-toxic.