

MATERIAL SAFETY DATA SHEET

PRODUCT: REPAIR, PIT & CRACK RESINS 404

KLEER-VU 11728 JOHNSON LAKE RD, LAKESIDE, CA. 92040 (619) 561-1720

I. PRODUCT AND COMPANY IDENTIFICATION:

- a. *PRODUCT NAME:* Repair, Pit & Crack Resins 404
- b. *Product use / Class:* Glass Adhesive

II. COMPOSITION / INFORMATION ON INGREDIENTS:

CHEMICAL NAME	CAS NUMBER	WT
High Boiling point (meth) acrylate monomer	Trade Secret	50-80
Acrylated resin	Trade Secret	20-40
Photo initiator blend	Trade Secret	3-5
Wetting agents	Trade Secret	1-5
Adhesion agents	Trade Secret	1-5

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) EXPOSURE LIMITS 8HRS. TWA (PPM)

ITEM	ACGIH TLV	OSHA PEL	OTHER
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III. HAZARDS IDENTIFICATION:

- a. *EMERGENCY OVERVIEW:* Liquid is a mild eye and skin irritant.
- b. *POTENTIAL HEALTH EFFECTS:*
 1. *EYE:* Mild irritant.
 2. *SKIN:* Mild irritant, Possible sensitivity.
 3. *CHRONIC:* NA
 4. *INGESTION:* Do not induce vomiting, keep individual calm, and obtain medical attention.
 5. *INHALATION:* Remove to fresh air, if symptoms persist, obtain medical attention.
 6. *CONDITIONS AGGRAVATED BY EXPOSURE:* Dermatitis & possible skin allergies, asthma

IV. FIRST AID MEASURES:

- a. *EYE:* Immediately flush with water for 15 minutes. Get medical attention.
- b. *SKIN:* Immediately wash hands with soap and water. Wash contaminated clothing before reuse. Do not use organic solvents on skin as they dry or irritate the skin and act as a carrier for chemical absorption.
- c. *INHALATION:* Remove to fresh air. If symptoms persist, obtain medical attention.
- d. *INGESTION:* Do not induce vomiting. Keep individual calm. Get medical attention.

V. FIRE FIGHTING MEASURES:

- a. *FLASH POINT AND METHOD:* 200F TOC FLAMMABLE LIMITS: Not available
- b. *AUTOIGNITION TEMPERATURE:* NA
- c. *EXTINGUISHING MEDIA:* Carbon dioxide, foam, dry chemical.

VI. ACCIDENTAL RELEASE MEASURES:

- a. Spontaneous hazardous polymerization may occur. Use eye and skin protection. Maintain adequate ventilation. Dike area to prevent spreading. Soak up with inert absorbent. Store in a half-filled, closed container until disposal. Dispose in accordance with local state and federal regulations.

VII. HANDLING AND STORAGE:

- a. *HANDLING:* Avoid eye and skin contact. Avoid prolonged or repeated breathing of vapors.
- b. *STORAGE:* Avoid storage over 100F. Do not store in direct sunlight.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION:

- a. *ENGINEERING CONTROLS:* NA
- b. *RESPIRATORY PROTECTION:* Use proper positive airflow ventilation in work areas.
- c. *SKIN PROTECTION:* Avoid skin contact. Wear Neoprene, Nitrile or Vinyl gloves. Do not wear Latex.
- d. *EYE PROTECTION:* Wear chemical splash goggles or side shield safety glasses.

IX. PHYSICAL AND CHEMICAL PROPERTIES:

- a. *VAPOR PRESSURE:* Not Defined
- b. *SOLUBILITY IN WATER:* Insoluble
- c. *BOILING POINT:* NA
- d. *VAPOR DENSITY:* Heavier than air.
- e. *SPECIFIC GRAVITY:* 1.05
- f. *FREEZING POINT:* NA
- g. *PHYSICAL STATE:* Liquid

- h. PH: NA
- i. ODOR: Mild
- j. APPEARANCE: Clear Liquid
- k. VOC: Not Determined

X. STABILITY AND REACTIVITY:

- a. STABILITY: Stable
- b. INCOMPATIBLE MATERIALS & CONDITIONS TO AVOID: Oxidizers, heat, strong mineral acids, and thiosulfates.
- c. HAZARDOUS POLYMERIZATION: May Occur.
- d. HAZARDOUS DECOMPOSITION PRODUCTS: None Known.

XI. TOXICOLOGICAL INFORMATION:

- a. PRODUCT TOXICOLOGY DATA:

INGREDIENTS:	NTP	ARC	OSHA
High Boiling point (Meth) acrylate monomer	No	No	No
Acrylated resin	No	NA	No
Photo initiator	No	No	No
Wetting agent	No	No	No
Adhesion agents	No	No	No

INGREDIENTS:	Target: Organ and other health effects:
High Boiling point (Meth) acrylate monomer	Irritant
Acrylated resin	Irritant
Photo initiator	Irritant
Wetting agent	No Data
Adhesion agents	No Data

XII. ECOLOGICAL INFORMATION: No data available

XIII. DISPOSAL CONSIDERATIONS:

- a. DISPOSAL METHOD: Incinerate following EPA and local regulations. NH – Not a RCRA Hazardous Waste Material.

XIV. TRANSPORT INFORMATION: DOT (49 CFR 172)

- a. PROPER SHIPPING NAME: Unrestricted (not more than 450 liters)
- b. IDENTIFICATION NUMBER: None
- c. HAZARD CLASS: Unrestricted
- d. PACKING GROUP: None

XV. INTERNATIONAL AIR TRANSPORTATION: (IATA)

- a. PROPER SHIPPING NAME: Unrestricted
- b. IDENTIFICATION NUMBER: None
- c. CLASS / DIVISION: Unrestricted
- d. PACKING GROUP: None

XVI. REGULATORY INFORMATION:

- a. TSCA (Toxic Substance Control Act): All ingredients are on the inventory or exempt from listing.
- b. CERCLA (Comprehensive Emergency Response, Compensation, and Liability Act): NA
- c. SARA TITLE III (Superfund Amendments and Reauthorization Act): 313 Reportable Ingredients: None
- d. CANADIAN INVENTORY STATUS: All ingredients are on the inventory or exempt from listing.
- e. CALIFORNIA PROPOSITION 65: NA

XVII. OTHER INFORMATION:

NFPA:	Health 2	Fire 1	Reactivity 1	Special None
(HMIS) ratings:	Health 2	Flammability 1	Reactivity 1	Protective Equip-
	ment: None			

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