

TRI GLASS

Windshield Repair Systems

Tri Glass Thin Ultraviolet Pit Sealer Part Number: 102

I. COMPOSITION (Information on Ingredients)

Ingredients	CAS Number	%
High Boiling Methacrylate	68586-19-6	50-55
Polyesterurethane Methacrylate Resin	Proprietary	30-35
Acrylic Acid *	79-10-7	5-10
Hydroxyalkyl Methacrylate	868-77-9	3-5
Photoinitiator	947-19-3	3-5
Substituted Silane	2530-83-8	1-3

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits:

Exposure Limits (TWA) <u>Ingredients:</u>	ACGIH (TLV)	OSHA (PEL)	OTHER
ACRYLIC ACID	2ppm TWA skin 5.9 mg/m ³ skin	10ppm TWA skin 30 mg/m ³ skin	1ppm TWA skin 3ppm STEL skin
Hydroxyalkyl Methacrylate	None	None	3ppm ceiling
Photoinitiator	None	None	10 mg/m ³
Exposure Limits (STEL)	ACGIH (TLV)	OSHA (PEL)	

II. HAZARDS IDENTIFICATION

Toxicity: Liquid is an eye and skin irritant. Vapors may irritate eye, ear, nose and throat. May be harmful if swallowed.**Primary Routes of Entry:** Inhalation, eyes, skin**Signs & Symptoms of Exposure:** Irritation of eyes, skin, nose or throat. May cause dermatitis on prolonged contact in sensitive individuals.**Existing conditions Aggravated by Exposure:** Acrylic acid: Upper respiratory and lung diseases, dermatitis.

<u>Ingredients</u>	Literature Referenced Target organ & Other Health Effects	Carcinogen NTP IARC OSHA
High Boiling Methacrylate	ALG / IRR	NO NO NO
Polyesterurethane Methacrylate Resin	No Data	NO NO NO
ACRYLIC ACID	ALG / COR / IRR / KID / LIV	NO N/A NO
Hydroxyalkyl Methacrylate	ALG / IRR	NO NO NO
Photoinitiator	No Data	NO NO NO
Substituted Silane	ALG/ IRR	NO NO NO

Abbreviations:

IRR- Irritant	ALG: Allergen	LIV- Liver
N/A- Not Applicable	COR: Corrosive	KID- Kidney

III. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.**Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.**Skin contact:** Wash with soap and water.**Eye Contact:** Flush at least 15 minutes with water. Obtain medical attention.

IV. FIRE FIGHTING MEASURES

Flash Point: More than 200° F**Method:** Tag closed cup**Recommended Extinguishing Agents:** Carbon dioxide, foam, and dry chemical.**Special Firefighting Procedures:** Not available**Hazardous Products Formed by Fire or Thermal Decomposition:** Irritating organic vapors.**Unusual Fire or Explosion Hazards:** None**Explosive Limits:** (% In volume in air) Lower: 2.0% Acrylic Acid
(% In volume in air) Upper: 8.0% Acrylic Acid

V. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.

VI. STORAGE AND HANDLING

Safe Storage: Store below 100° F

Handling: Avoid prolonged skin contact. Keep away from eyes. Avoid prolonged breathing of vapors.

VII. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Rubber or plastic gloves.

Ventilation: Sufficient to maintain vapor concentration below TLV. (See Section 1 for Exposure Limits)

VIII. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: Less than 5mm

Evaporation Rate (Ether =1): Not Available

Vapor Density: Not Available

Solubility in Water: Low

pH: Does not apply

Odor: Sharp

Specific Gravity: Approximately 1.1

Appearance: Amber Liquid

Boiling Point: More than 300° F

Volatile Organic Compound (EPA Method 24): Per ASTM D5403-

Process volatiles 2.14%; 23.54 grams per liter

Potential volatiles 0.78%; 8.58 grams per liter

Total volatiles 2.92%; 32.12 grams per liter 48.9%; 538 grams per liter

IX. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products (non-thermal): None

Incompatibility: Oxidizing and reducing agents, acids, bases

X. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg

Estimated dermal LD50 more than 2000 mg/kg

XI. ECOLOGICAL INFORMATION

No data available

XII. DISPOSAL CONSIDERATIONS

Recommended Methods of Disposal: Incinerate following EPA and local regulations.

EPA Hazardous Waste Number: NH- Not a RCRA Hazardous Waste Material.

XIII. TRANSPORTATION REGULATIONS

DOT (49 CFR 172)= Domestic ground transportation:

Proper shipping name: Unrestricted

Identification Number: None

Hazard Class or Division: Unrestricted

Marine Pollutant: None

IATA:

Proper Shipping Name: Unrestricted

UN or ID Number: None

Class or Division: Unrestricted

XIV. REGULATORY INFORMATION

CA Proposition 65: WARNING this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Ethylene oxide, toluene, 1,4-dioxane, toluene diisocyanate

XV. OTHER INFORMATION

Estimated NFPA* (R) Code:

Health Hazard: 2

Fire Hazard: 1

Reactivity Hazard: 1

Specific Hazard: Does not apply

Estimated HMIS* (R) Code:

Health Hazard: 2

Flammability Hazard: 1

Reactivity Hazard: 1

Personal Protection: See Section VIII.

* NFPA is a registered trademark of the National Fire Protection Association

* HMIS is a registered trademark of the National Paint and Coatings Association

XVI. PREPARATION INFORMATION

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