



84166-XXXX

SAFETY DATA SHEET**1. Identification**

Product Identifier: **Amazing UV Resin**
 Product Code(s): AL10450, AL10452, AL10454
 Use: Component for Polyurethane Clear Casting Resin.
 For Industrial/Professional use only.
 Manufacturer: Polytek Development Corp.
 55 Hilton Street, Easton, PA 18042
 Phone Number: 269-488-4000 (8 a.m. to 4 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or
 +1 703-527-3887
 E-mail: sds@polytek.com

2. Hazards Identification**GHS Classification:**

Skin Irritation – Category 2
 Eye Irritation – Category 2A
 Skin Sensitizer – Category 1

Label Elements: Warning

**Hazard Phrases**

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.

Precautionary Phrases

P261 Avoid breathing fumes, vapors, mists or sprays.
 P264 Wash hands thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the work area.
 P280 Wear protective gloves, eye protection, and face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P337+P317 If eye irritation persists: Get medical help.
 P362+P364 Take off contaminated clothing and wash before reuse.
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: Very toxic to aquatic life with long lasting effects.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Polyurethane acrylate prepolymer	103837-45-2	40-50
Hexamethylene diacrylate	13048-33-4	20-30
Photoinitiator: 2-hydroxy-2-methylpropiophenone	7473-98-5	10-20
Acrylate monomer	25035-69-2	0-10
Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below concentration/cut-off thresholds.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists.

Inhalation: If breathing is difficult, remove person to fresh air. Get medical attention if symptoms develop or persist.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

Most Important Symptoms/Effects: None known.

Indication of Immediate Medical Attention/Special Treatment: Not expected to be required.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or spread fire.

Specific Hazards: Not classified as flammable or combustible.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing.

6. Accidental Release Measures**Personal Precautions, Protective Equipment and Emergency**

Procedures: Clear unnecessary, unprotected personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Place leaking containers in a well-ventilated area.

Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment. Dispose of in accordance with applicable local and federal environmental laws and regulations.

7. Handling and Storage

Safe Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep container closed when not in use.

Safe Storage: Store indoors at temperatures below 120°F (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: None established.

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses/goggles.

Other Protective Measures: Prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid, transparent amber

Odor: Sharp irritating

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: >300°F (>149°C)

Flash Point: No data available

Evap. Rate: Slower than butyl acetate

Upper/Lower Flammability Limits: No data available

Vapor Pressure: <5 mm Hg @ 80°F

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SAFETY DATA SHEET

Vapor Density: No data available
Specific Gravity: 1.1
Solubility: No data available
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: No data available
VOC: 24.09 g/L total volatiles

10. Stability and Reactivity

Reactivity: No data available.
Chemical Stability: Stable under recommended conditions.
Possibility of Hazardous Reactions: Hazardous polymerization may occur.
Conditions to Avoid: Avoid exposure to light, heat, flames, and sparks.
Incompatible Materials: Avoid strong oxidizers, reducing agents, acids, bases, alkalis, aldehydes, amines, free radical initiators, and peroxides.
Hazardous Decomposition Products: Oxides of carbon and irritating organic vapors.

11. Toxicological Information

Eye Contact: Causes serious eye irritation.
Skin Contact: Causes skin irritation. May cause an allergic skin reaction.
Inhalation: May cause mild respiratory irritation.
Ingestion: No data available.
Chronic Health Effects: May cause an allergic skin reaction.
Acute Toxicity Values: Not acutely hazardous.
Respiratory Sensitization: Components are not classified as respiratory sensitizers.
Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Components are not classified as mutagens.
Carcinogenicity: Components are not classified as carcinogens.
Reproductive Toxicity: Components are not classified as reproductive toxins.
Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: No data available. Avoid release to the environment.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.

13. Disposal Considerations

Do not dump to ground, sewers, or watercourses. Dispose according to local, state and federal regulations.

14. Transport Information

Not regulated for transport in any mode.
Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:
CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements.
SARA TITLE III
Section 311/312: Acute Health
Section 313 Toxic Chemicals: This product contains chemicals subject to SARA Title III Section 313 Reporting requirements:
 Acrylic Acid (CAS 79-10-7)
Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All components in this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: Mold making and casting.

SDS Revision Notes: GHS Format: September 26, 2023

Disclaimer: The information contained herein is considered accurate; however, Polytek® Development Corp. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.