

1. Identification

Product Identifier: **Alumi-UV**
 Use: Component for Polyurethane Clear Casting Resin. For Industrial/Professional use only.
 Manufacturer: Alumilite
 315 E. North Street Kalamazoo, MI 49007 USA
 Phone Number: +1 800-447-9344 (9 a.m. to 5 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or +1 703-527-3887
 E-mail: info@alumilite.com

2. Hazards Identification

GHS Classification:

Eye Irritation Category 2A
 Skin Irritation Category 2
 Skin Sensitizer Category 1A
 Toxic to Reproduction Category 1B
 Specific Target Organ Toxicity – Single Exposure Category 3

Label Elements: Danger



Hazard Phrases

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H360 May damage fertility or the unborn child.

Precautionary Phrases

P202 Do not handle until all safety precautions have been read and understood.
 P261 Avoid breathing mist, vapor or spray.
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the work area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+313 IF exposed or concerned; Get medical advice/attention.
 P332 + P313 If skin irritation or rash occurs: Get medical advice or attention.
 P337+P313 If eye irritation persists: Get medical advice or attention.
 P362+P364 Take off contaminated clothing and wash before reuse.
 P403+233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 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 #	%
Aliphatic Urethane Acrylate	Proprietary	25-35
Aliphatic Urethane Acrylate	73297-27-5	40-60
Isobornyl acrylate	5888-33-5	15-30
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.		

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 persists.

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

Inhalation: If breathing is difficult, remove person to fresh air. If experiencing difficulty breathing, call a doctor.

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

Most Important Symptoms/Effects: Possible reproductive and/or organ damage. Causes serious eye irritation. May cause an allergic skin reaction.

Indication of Immediate Medical Attention/Special Treatment: If product gets in eyes, immediately flush with water.

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: High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and violent rupture of storage containers or vessels.

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: Milky viscous liquid

Odor: Characteristic

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: 400°F

Flash Point: >225°F (Pensky-Martens closed cup)

Evap. Rate: Slower than butyl acetate

Upper/Lower Flammability Limits: No data available

Vapor Pressure: No data available

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

10. Stability and Reactivity

Reactivity: No data available.

Chemical Stability: Unstable

Possibility of Hazardous Reactions: Hazardous polymerization may occur.

Conditions to Avoid: Storage >100°F, exposure to light, loss of dissolved air, loss of polymerization inhibitors and contamination with incompatible materials.

Incompatible Materials: Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron and strong bases.

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include carbon monoxide, carbon dioxide and nitrous oxides.

11. Toxicological Information

Eye Contact: Causes serious eye irritation, pain, redness.

Skin Contact: Causes skin irritation. May cause sensitization. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Inhalation: Vapors may cause respiratory irritation.

Ingestion: No data available.

Chronic Health Effects: Allergic skin reaction.

Acute Toxicity Values: No data available.

Respiratory Sensitization: Components are not respiratory sensitizers.

Skin Sensitization: Causes allergic skin reaction.

Germ Cell Mutagenicity: Components are not mutagens.

Carcinogenicity: Components are not carcinogens.

Reproductive Toxicity: May damage fertility or the unborn child.

Specific Target Organ Toxicity: Inhalation-May cause respiratory irritation.

12. Ecological Information

Ecotoxicity: Do not release into waterways. Very toxic to aquatic life with long lasting effects.

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

U.S.: Not regulated as a hazardous material by US DOT for transportation by truck.

International shipments: UN3082, Environmentally hazardous substance, liquid, n.o.s. (isobornyl acrylate), 9, III. Containers ≤5 liters are excepted from IMDG and IATA regulations (see IATA SP A197 and IMDG 2.10.2.7).

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 no chemicals subject to SARA Title III Section 313 Reporting requirements.

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: New GHS Format November 19, 2018

Disclaimer: The information contained herein is considered accurate; however, Alumilite 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.