

Section 1: Identification


PRODUCT IDENTIFIER: UV-1L UV Curing Resin

CHEMICAL FAMILY: Ultraviolet (UV) glue

EMERGENCY PHONE: CHEMTREC 800-424-9300 (US) Day or night
Customer No. 16568

MANUFACTURER: PACE Technologies
3601 E. 34th St., Tucson, AZ 85718
Tucson, Arizona USA
Phone: +1 520-882-6598
FAX: +1 520-882-6598

Section 2: Hazard(s) Identification

GHS CLASIFICATION:	Skin corrosion/irritation (Category 2) Eye irritation (Category 2) Skin sensitization (Category 1)
PICTOGRAM(s):	
SIGNAL WORD:	Warning
HAZARD STATEMENTS:	Hazard Statement(s): H315 - Causes Skin Irritation H317 - May cause an allergic skin reaction H319 - Causes Serious eye irritation
PRECAUTIONARY STATEMENTS:	Precautionary Statement(s): Preventions: P261-Avoid breathing dust/fume/gas/mist/vapors/spray. P264- Wash skin thoroughly after handling. P272-Contaminated work clothing should not be allowed out of the workplace P280- Wear protective gloves/protective clothing/eye protection/face protection. Response: P284- P403+P233-Store in a well-ventilated place. Keep container tightly closed. P301+312- IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. P301+P330+P331- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+352- 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.
P321- Specific treatment (Immediately flush eyes with plenty of water for 15 minutes while holding eyelids open. Rinse continuously with water while on way to get medical attention).
P322- Specific measures (Immediately remove contaminated clothing or shoes, wipe excess from skin and flush with plenty of water for at least 15-minutes. Use soap if available or follow by washing with soap and water).
P333+P313-IF SKIN irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention

P363- Wash contaminated clothing before reuse.

Storage:

P405- Store locked up.

Disposal:

P501- Dispose of contents/container to Federal, State and Local Regulations.

Section 3: Composition/Information on Ingredients

<u>COMPONENT(S)</u>	<u>CAS NO.</u>	<u>%</u>
Polyurethane-acrylate prepolymer	68987-79-1	20-30
Epoxy acrylate prepolymer	71281-65-7	30-40
Acrylate monomer	13402-02-3	10-20
Acrylate monomer	29324-02-3	10
Photoinitiator A	947-19-3	<1
Photoinitiator B	75980-60-8	1-3

Section 4: First-Aid Measures

SKIN CONTACT:

Immediately rinse with plenty of water for at least 15 minutes. Seek medical attention.

SKIN CONTACT:	Wash immediately with soap and plenty of water, those with skin allergies should stop contact and seek medical help.
INHALATION:	Move person to fresh air. If you still feel unwell, seek medical advice immediately.
EYE CONTRACT:	Immediately rinse with plenty of water for at least 15 minutes. Seek medical attention.

Section 5: Fire-Fighting Measures

FLAMMABILITY OF THE PRODUCT:	Flash Point 115°C (239 °F).
SELF IGNITION TEMPERATURE:	N.A.
EXTINGUISHING MEDIA: Suitable:	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
UNURUAL FIRE OR EXPLOSION:	Uncontrolled polymerization at high temperatures can lead to explosion or rupture of the bottle..
SPECIAL EXPOSURE HAZARDS:	Do not enter fire area without proper protective equipment, including respiratory protection.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, nitrogen oxides, phosphorus oxides, sulfur oxides and irritating organic gases

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not get in eyes and avoid contact with skin. Keep container tightly closed.
ENVIRONMENTAL PRECAUTIONS:	Use sand or other suitable inhibitor to prevent spread or entry into sewers, drains or rivers.
METHODS for CLEANING UP:	Clean up or eradicate under normal circumstance.

Section 7: Handling and Storage

HANDLING: Use in a well-ventilated area. Do not get into eyes. Prevent skin irritation. Not to be taken internally. Clean up after operation.

STORAGE: Store in cool, dry and dark conditions between 8-25°C (46-75°F). Keep container sealed and avoid water and moisture during storage.

SHELF LIFE: 6 months

Section 8: Exposure Controls/ Personal Protection

PERSONAL PROTECTION: Avoid all unnecessary exposure.

RESPIRATORY: Wear approved mask.

HANDS: Wear protective gloves.

EYES: Chemical goggles or safety glasses.

OTHER: Chemical goggles or safety glasses.

Section 9: Physical and Chemical Properties

PHYSICAL FORM: Transparent, viscous	COLOR: Colorless and transparent
SPECIFIC GRAVITY (H₂O=1): 0.92-0.99	ODOR: Irritating odor before curing
VAPOR PRESSURE at 25°C (75°F): N.A.	FLASH POINT: 115°C (239 °F).
RELATIVE VAPOR PRESSURE: N/A	SHORE D HARDNESS: 78
SOLUBILITY: Insoluble in water, soluble in organic solvents	VISCOSITY (mPa.s 25°C): 200-300

Section 10: Stability and Reactivity

STABILITY: Exposure to light and high temperatures affect stability.

HAZARDOUS POLYMERIZATION: Under normal conditions of storage and use, hazardous polymerization will not occur.

CONDITIONS TO AVOID: High Temperature.

MATERIALS TO AVOID: Strong oxidizing substances, strong acid, strong alkali

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition products may include the following materials: carbon oxides, sulfur oxides, nitrogen oxides, phosphorus oxides and other organic gases.

Section 11: Toxicological Information

This product is a non-volatile, non-carcinogenic material	LD50>3000 mg/kg
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Primary Irritant Effect

Skin:	Irritant to skin (mainly acrylates)
Eye:	Irritating effect.
Sensitization:	Sensitization possible through skin contact.
Additional toxicological information:	This product has low toxicity

Section 12: Ecological Information

ENVIRONMENTAL EFFECTS: Avoid direct discharge before curing; after curing, it is a typical polymer, which has no direct harm to the environment.

Section 13: Disposal Considerations

WATSE DISPOSAL: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Collect all waste in suitable and labeled containers and dispose according to local and federal legislation.

Section 14: Transportation Information

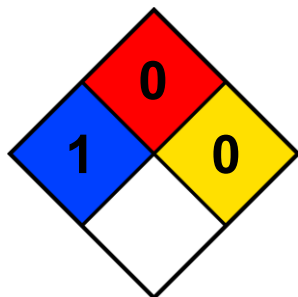
CFR_GROUND	Not regulated
IATA_C	Not regulated

Section 15: Regulatory Information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

16.1 NFPA 704



Top, Flammability: 0 – Minima Hazard

Left, Health Hazard: 1 – Slight Hazard

Right, Reactivity: 0 – Minimal Hazard

Bottom, Special Notice: N/A

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DATE REVISED: 7/22/2025 DZ
