

UV Curable Resin

MSDS

Section 1 - Chemical Product

Product Family:	UV Curable Clear Resin
Substance:	Acrylate Oligomer Mixture
Trade Names/Synonyms:	Evidot Composite UV Curable Resin
Chemical Family:	Acrylate Oligomer; Nanocrystal: IV-VI semiconductor compound

Section 2 - Composition, Information on Ingredients

Component	CAS#	EC#	% By Weight
Modified epoxy acrylate Oligomer	Proprietary		20-40
High Boiling diacrylate	Proprietary		30-50
Cycloaliphatic anhydride	Proprietary		20-30
Photoinitiator	947-19-3		2-5

Section 3 - Hazards Identification

Hazard Description:	
NFPA Rating:	Health = 2 Fire = 1 Reactivity=1

Emergency Overview	
Color:	Amber Liquid
Physical Form:	Liquid
Odor:	Mild
Major Health Hazards:	Kidney damage and cancer

Emergency Overview

Physical Hazards:	None
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Potential Health Effects

Inhalation:	Inhalation of vapors in an unventilated area may, over time, induce headaches
Skin Contact:	Irritation
Eye Contact:	Irritation
Carcinogen Status:	None
OSHA:	Yes
NTP:	No
IARC:	No

Section 4 - First Aid Measures

Inhalation:	Remove affected person to fresh air
Skin Contact:	In case of skin contact, wash thoroughly, with soap and water. Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention
Ingestion:	Low toxicity; Get medical attention.

Section 5 - Fire Fighting Measures

Extinguishing Media:	Use water spray. Foam, dry chemical, or CO ₂ .
Fire Fighting:	Toxic fumes (oxides of carbon and nitrogen) may be evolved upon exposure to heat or open flame.
Flash Point:	> 200°F (P.M.C.C.)

Section 6 - Accidental Release Measures

Small Spills:	Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state, and federal regulations.
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Section 7 - Handling and Storage

Avoid storage over 100°F, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials. Avoid prolonged or repeated breathing of vapor.

Section 8 - Engineering Controls & Personal Protective Equipment

Exposure Limits	
ACGIH	Acrylic Acid: 2ppm

Ventilation:	Positive fresh air exhaust should be provided in the work area; respiratory equipment is unnecessary in normal use.
Eye Protection:	Do not wear contact lenses. Chemical safety goggles are recommended.
Gloves:	Avoid skin contact. Wear gloves and impervious protective clothing if frequent direct contact is likely.

Section 9 - Physical & Chemical Properties

UV Curable Clear Resin	
Physical State:	Liquid
Color:	amber
Odor:	mild
Odor Threshold:	n/a
Molecular Weight:	n/a
Boiling Point:	n/a
Freezing Point:	n/a
Vapor Pressure:	6mmHg at 30°C
Vapor Density (air = 1):	Heavier than air
Specific Gravity (water = 1):	1.07
pH:	n/a

Section 10 - Reactivity

Stability:	Stable
Incompatible:	Oxidizers, amines, strong Lewis or mineral acids, thiosulfates. Smoke and toxic fumes may be evolved as a result of uncontrolled exothermic reaction of large masses of material reacting with curing agents, such as peroxides, amines, or exposure to light.
Hazards Decomposition:	none
Polymerization:	Hazardous polymerization may occur.

Section 11 - Toxicological Information

UV Curable Resin	
Irritation Data:	n/a
Toxicity Data:	n/a
Local Effects:	n/a
Slightly Toxic:	n/a
Moderately Toxic:	n/a
Target Organs:	n/a
Additional Toxicological Information:	n/a

Section 12 - Ecological Information

Do not allow material to be released to the environment (ground, air or water bodies) without proper permits.

Section 13 - Transportation Information

U.S. DOT:	None
Canadian Transportation of Dangerous Goods:	n/a
Land Transport ADR/RID:	n/a
Air Transport IATA/ICAO:	None
Exceptions:	None

Section 14 - Disposal

None.

Section 15 - Regulatory Information

Sara Listed ingredients:

ACRYLIC ACID

TSCA Inventory:

All Ingredients

State Right-to-know:

California Proposition 65

This product does not contain materials which the State of California has found to cause cancer, birth defects, or other reproductive harm.

Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinary Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

NONE

Pennsylvania Right-To-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

NONE

HER Regulatory Information:

NONE

Section 16 - Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Evident Technologies shall not be held liable for any damage resulting from handling or from contact with the above product. See packing slip for additional terms and conditions of sale.

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216 River Street
Suite 200
Troy, New York 12180
phone: (518) 273-6266
fax: (518) 273-6267
<http://www.evidenttech.com>