



Uv resin

Material Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : **UV Resin**

UFI: EH60-D0Y9-K00K-XCEN

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product type: U.V. Curing Adhesive

Product name: UV Resin

Use advised against: Crystal drops of glue for art.

1.3 Details of the supplier of the safety data sheet

Company :Resin Pro srl

Telephone : +39 (0)187 955108

Web : www.resinpro.it

Address: Via 25 Aprile z.i. snc – 19021 Arcola (SP) - Italy

1.4 Emergency telephone number +8613760164300 (8-17 h)

- 2 CAV di Napoli, tel. 0817472870 (Azienda ospedaliera "Antonio Cardarelli", via A. Cardarelli 9, Napoli)
- 3 CAV di Firenze, tel. 0554277238 (Azienda ospedaliera universitaria Careggi, via Largo Brambilla 3, Firenze)
- 4 CAV di Pavia, tel. 038224444 (IRCCS Fondazione Salvatore Maugeri, via S. Maugeri 10, Pavia)
- 5 CAV di Milano, tel. 0266101029 (Ospedale Niguarda Ca' Granda, piazza Ospedale Maggiore 3, Milano)
- 6 CAV di Bergamo, tel. 800883300 (Azienda ospedaliera "Papa Giovanni XXIII", piazza OMS 1, Bergamo)
- 7 CAV di Roma, tel. 0649970698 (Policlinico Umberto I, viale del Policlinico 155, Roma)
- 8 CAV di Roma, tel. 063054343 (Policlinico "Agostino Gemelli", largo A. Gemelli 8, Roma)
- 9 CAV di Foggia, tel. 800183459 (Azienda ospedaliera universitaria Ospedali riuniti, Viale L. Pinto 1, Foggia)
- 10 CAV di Roma, tel. 0668591 (Ospedale pediatrico Bambino Gesù, piazza Sant'Onofrio 4, Roma)
- 11 CAV di Verona, tel. 800011858 (Azienda ospedaliera universitaria integrata di Verona, Piazzale A. Stefani 1, Verona)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification: Skin irritation,category 2
Skin Sensitization, category 1
Eye irritation,category 2A

2.2 GHS Lable elements,including precautionary statements

GHS Labels:



Pictogram(s):

Signal Word: Warning



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Hazard Statement: H315: Causes skin irritation

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation

Precautionary statement(s)

Prevention precautionary : P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

Statements: .

P264: Wash thoroughly after handling.

P102: Keep out of reach of children

P103: Read label before use

P404: Store in a closed container

P405: Store locked up

P272: Contaminated work clothing should not be allowed out of the workplace

P280: Wear protective gloves/protective clothing/eye protection/face protection

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

P337+313: If eye irritation persists get medical advice/attention.

P501: Dispose of contents and container in accordance with local/regional/national /international regulations.

2.3 Description of any hazards not otherwise classified

None. No health hazard after curing. See section 11 for more detailed information on health effects and symptoms.

SECTION 3: Composition/information of ingredients

CAS Numbers and other Identifiers:

Chemical Name	CAS No.	EC No.	Concentration
Polyurethane acrylate prepolymer	103837-45-2	692-816-4	50-75%
Hexamethylene diacrylate	13048-33-4	235-921-9	5-20%
Acrylate monomer	141-32-2	205-480-7	1-10%
Photoinitiator A: 2-hydroxy-2-methylpropiophenone	7473-98-5	231-272-0	1-10%
Photoinitiator B	119-61-9	204-337-6	1-5%
Additives	78-83-1	201-148-0	0.5-1%

SECTION 4 :First aid measures

4.1

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.



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Skin contact:Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

Eye contact:Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion:Do not induce vomiting. Keep individual calm. Obtain medical attention.

SECTION 5:Firefighting measures

5.1 Extinguishing media:

Flash point: Greater than 93oC (200oF) Tagliabue closed cup

Autoignition temperature:Not available

Flammable/Explosive limits-lower %:2.0 % (Acrylic Acid)

Flammable/Explosive limits-upper %:8.0 % (Acrylic Acid)

Extinguishing media:Foam, dry chemical or carbon dioxide.

Special fire fighting procedures:Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards:None

Hazardous combustion products:Oxides of carbon. Irritating organic vapors.

SECTION 6: Accidental release measures

Environmental precautions:Prevent product from entering drains or open waters.

Clean-up methods:Ensure adequate ventilation. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

SECTION 7:Handling and storage

7.1 Precautions for safe handling:

Use in well-ventilated area.

Use appropriate, approved safety equipment.

Avoid contact with skin and eyes. Avoid breathing vapor or mist.

Keep container tightly closed when not in use.

Do not eat, drink or smoke at the workplace.

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Keep away from heat/sparks/open flames/hot surfaces .

Prohibited in the high fever, freezing, spark, flame environment using this product. Avoid direct sunlight or ultraviolet light before bonding.

For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from fire and heat. Store away from foodstuff and strong oxides. Avoid direct sunlight or ultraviolet light before bonding.

SECTION 8: Exposure controls/personal protection

Engineering controls:Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

Respiratory protection:Use NIOSH approved respirator if there is potential to exceed exposure limit(s).



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Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties :

Appearance : liquid

Colour : Transparent/Amber

Odour : Sharp, Irritating

Vapor pressure: Less than 5 mm Hg at 27°C (80°F)

pH: not determined

Melting point/freezing point: not determined

Boiling point/boiling range : Greater than 149°C (300°F)

Specific gravity: Approximately 1.1

Vapor density: Not available

Evaporation rate: Not available

Solubility in water: Slight

Partition coefficient (n-octanol/water): Not available

VOC content: ASTM D5403 Process volatiles 1.17 %, 12.87 grams/liter; Potential volatiles 1.02 %, 11.22 grams/liter; Total volatiles 2.19 %, 24.09 grams/liter.

SECTION 10: Stability and reactivity

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon. Irritating organic vapors.

Incompatibility: Strong oxidizers. Reducing agents. Acids. Bases. Alkalis. Aldehydes. Amines. Free radical initiators. Peroxides.

Conditions to avoid: Exposure to sunlight. Heat, flames and sparks. See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

SECTION 11: Toxicological information

Product toxicity data: Acute LD50 (oral): 5000 (rat). (estimated). Acute dermal LD50 greater than 2000 mg/kg (rabbit) (estimated).



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Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyurethane methacrylate resin PROPRIETARY	NO	NO	NO
High boiling methacrylate 68586-19-6	NO	NO	NO
Hydroxyalkyl methacrylate 868-77-9	NO	NO	NO
Benzenecarboperoxoic acid, 1,1- dimethylethyl ester 614-45-9	NO	NO	NO
Acrylic acid 79-10-7	NO	NO	NO
Photoinitiator 947-19-3	NO	NO	NO
Saccharin 81-07-2	NO	NO	NO

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Polyurethane methacrylate resin PROPRIETARY	Allergen, Irritant
High boiling methacrylate 68586-19-6	Allergen, Irritant
Hydroxyalkyl methacrylate 868-77-9	Allergen, Irritant
Benzenecarboperoxoic acid, 1,1- dimethylethyl ester 614-45-9	Central nervous system, Irritant, Mutagen
Acrylic acid 79-10-7	Allergen, Corrosive, Irritant, Kidney, Liver
Photoinitiator 947-19-3	No data
Saccharin 81-07-2	No Target Organs

SECTION 12: Ecological information

Ecological information: Not available

SECTION 13: Disposal considerations

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

SECTION 14: Transport information

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Unrestricted

Hazard class or division: None



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Identification number: None

Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

Marine pollutant: None

SECTION 15: Regulatory information

United States Regulatory Information

TSCA 8 (b) Inventory Status:All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification:None.

CERCLA/SARA Section 302 EHS:None above reporting de minimus.

CERCLA/SARA Section 311/312:mediate Health Hazard, Delayed Health Hazard.

CERCLA/SARA 313:This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Acrylic acid (CAS# 79-10-7).

Canada Regulatory Information

CEPA DSL/NDL Status:All components are listed on or are exempt from listing on the Domestic Substances List.

WHMIS hazard class:D.2.B

SECTION 16: Other information

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