



Revision Number: 009.0

Issue date: 01/23/2025

**1. IDENTIFICATION**

**Product name:** LOCTITE STYCAST UV 7993 known as ECCOCOAT UV-7993 35LB/5 GA PA  
**Product type/ Recommended use:** Ultraviolet adhesive  
**Restriction of Use:** None identified  
**Company address:** Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

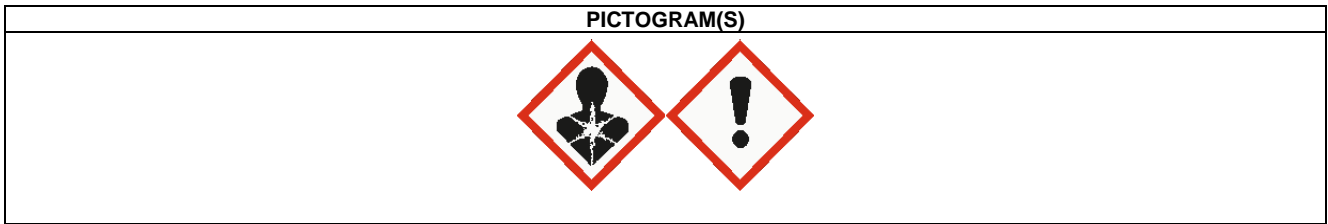
**IDH number:** 1189117  
**Item number:** 1189117  
**Region:** United States  
**Contact information:**  
 Telephone: +1 (860) 571-5100  
 MEDICAL EMERGENCY Phone: Poison Control Center  
 1-877-671-4608 (toll free) or 1-303-592-1711  
 TRANSPORT EMERGENCY Phone: CHEMTREC  
 1-800-424-9300 (toll free) or 1-703-527-3887  
 MEDICAL EMERGENCY Phone: Poison Control Center  
 1-877-671-4608 (toll free) or 1-303-592-1711  
 TRANSPORT EMERGENCY Phone: CHEMTREC  
 1-800-424-9300 (toll free) or 1-703-527-3887  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER:** H315 - CAUSES SKIN IRRITATION.  
 H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.  
 H319 - CAUSES SERIOUS EYE IRRITATION.  
 H332 - HARMFUL IF INHALED.  
 H334 - MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY INHALATION	4
SKIN IRRITATION	2
EYE IRRITATION	2A
RESPIRATORY SENSITIZATION	1
SKIN SENSITIZATION	1



**Precautionary Statements**

- Prevention:** P261 - Avoid breathing mist/vapours.  
 P264 - Wash affected area thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P280 - Wear protective gloves, eye protection, and face protection.
- Response:** P284 - [In case of inadequate ventilation] wear respiratory protection.  
 P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
 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+P313 - If skin irritation or rash occurs: Get medical attention.  
 P337+P313 - If eye irritation persists: Get medical attention.  
 P342+P311 - If experiencing respiratory symptoms: Call a poison center or physician.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.

IDH number: 1189117

**Storage:** Not prescribed  
**Disposal:** P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Other hazards** Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Hexane, 1,6-diisocyanato-, homopolymer, 2-hydroxyethyl acrylate-blocked	264888-31-5	10 - 30
Isobornyl acrylate	5888-33-5	10 - 30
2-Phenoxyethyl acrylate	48145-04-6	10 - 30
HDI oligomers, isocyanurate	28182-81-2	10 - 30
2-Propenoic acid, 2-methyl-, 2-[[2,3,3a,4,7,7a(or 3a,4,5,6,7,7a)-hexahydro-4,7-methano-1H-indenyl]oxy]ethyl ester	68586-19-6	10 - 30
Phenol, ethoxylated, esters with acrylic acid	56641-05-5	0.1 - 1
Benzophenone	119-61-9	0.1 - 1
Triphenyl phosphite	101-02-0	0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### Non hazardous components

Actual concentration or concentration range is withheld as a trade secret

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get immediate medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse.
<b>Eye contact:</b>	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Most important symptoms and effects (acute and delayed):</b>	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
<b>Indication of any immediate medical attention / special treatment needed:</b>	Not available.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Improper extinguishing agents:</b>	Not available.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool.

**Unusual fire or explosion hazards:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen. Isocyanates. Irritating organic vapours.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** Do not allow product to enter sewer or waterways.

**Clean-up methods:** Ensure adequate ventilation. Remove all sources of ignition. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## 7. HANDLING AND STORAGE

**Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Refer to Section 8.

**Storage:** For safe storage, store between -20 °C (-4°F) and 50 °C (122°F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Protect from direct sunlight.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
HDI oligomers, isocyanurate	None	None	None	0.5 mg/m3 TWA 1.0 mg/m3 STEL
Benzophenone	None	None	0.5 mg/m3 TWA	None

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

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

**Eye/face protection:** Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Color:** Light yellow, Off white  
**Odor:** Sweet  
**Odor threshold:** Not available.  
**pH:** Product is non-soluble (in water)., Not applicable  
**Vapor pressure:** < 1 hPa (20 °C (68°F))  
**Boiling point/range:** Not applicable, Decomposes before boiling point is reached  
**Melting point/ range:** Not applicable, Product is a liquid  
**Density/Relative density:** 1.04  
**Relative vapor density:** > 1 20 °C  
**Flash point:** > 100 °C (> 212°F) Closed cup  
**Flammable/Explosive limits - lower:** Not available.  
**Flammable/Explosive limits - upper:** Not available.  
**Autoignition temperature:** Not available.  
**Flammability:** The product is not flammable.  
**Evaporation rate:** Not available.

<b>Solubility:</b>	Insoluble Water
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not available.
<b>VOC content:</b>	< 3 %
<b>Dynamic viscosity:</b>	Not available.
<b>Kinematic viscosity:</b>	> 20 mm <sup>2</sup> /s
<b>Particle characteristics:</b>	Not applicable, Product is a liquid
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous reactions:</b>	None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Isocyanates. Irritating organic vapours.
<b>Incompatible materials:</b>	Strong oxidizing agents. Strong acids and strong bases. Water.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Heat, flames, sparks and other sources of ignition. Direct sunlight. Ultraviolet radiation. Freezing conditions. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely routes of exposure:</b>	Skin, Inhalation, Eyes, Ingestion
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### Potential Health Effects/Symptoms

<b>Inhalation:</b>	May cause respiratory tract irritation. May cause allergic respiratory reaction. Harmful if inhaled.
<b>Skin contact:</b>	Causes skin irritation. May cause allergic skin reaction.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use.

Hazardous Component(s)	LD50s and LC50s
Hexane, 1,6-diisocyanato-, homopolymer, 2-hydroxyethyl acrylate-blocked	None
Isobornyl acrylate	None
2-Phenoxyethyl acrylate	None
HDI oligomers, isocyanurate	Inhalation LC50 (Rat, 4 h) = 423 mg/m3 Inhalation LC50 (Rat, 4 h) = 388 mg/m3 Inhalation LC50 (Rat, 4 h) = 402 mg/m3
2-Propenoic acid, 2-methyl-, 2-[[2,3,3a,4,7,7a(or 3a,4,5,6,7,7a)-hexahydro-4,7-methano-1H-indenyl]oxy]ethyl ester	None
Phenol, ethoxylated, esters with acrylic acid	None
Benzophenone	Oral LD50 (Mouse) = 2,895 mg/kg
Triphenyl phosphite	Oral LD50 (Mouse) = 1,330 mg/kg Oral LD50 (Rat) = 1,600 mg/kg

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Hexane, 1,6-diisocyanato-, homopolymer, 2-hydroxyethyl acrylate-blocked			
Isobornyl acrylate	Irritant	Allergen	
2-Phenoxyethyl acrylate	Irritant	Allergen	
HDI oligomers, isocyanurate	Irritant	Allergen	Respiratory
2-Propenoic acid, 2-methyl-, 2-[[2,3,3a,4,7,7a(or 3a,4,5,6,7,7a)-hexahydro-4,7-methano-1H-indenyl]oxy]ethyl ester	Irritant	Allergen	
Phenol, ethoxylated, esters with acrylic acid			
Benzophenone	Irritant		Blood Kidney Some evidence of carcinogenicity
Triphenyl phosphite	Irritant	Allergen	Nervous System

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Hexane, 1,6-diisocyanato-, homopolymer, 2-hydroxyethyl acrylate-blocked	No	No	No
Isobornyl acrylate	No	No	No
2-Phenoxyethyl acrylate	No	No	No
HDI oligomers, isocyanurate	No	No	No
2-Propenoic acid, 2-methyl-, 2-[[2,3,3a,4,7,7a(or 3a,4,5,6,7,7a)-hexahydro-4,7-methano-1H-indenyl]oxy]ethyl ester	No	No	No
Phenol, ethoxylated, esters with acrylic acid	No	No	No
Benzophenone	No	Group 2B	No
Triphenyl phosphite	No	No	No

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

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

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (2,2-Dimethoxy-1,2-diphenylethan-1-one, Isobornyl acrylate)  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III

### Water Transportation (IMO/IMDG)

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2-Dimethoxy-1,2-diphenylethan-1-one, Isobornyl acrylate)  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III  
**Marine pollutant:** 2,2-Dimethoxy-1,2-diphenylethan-1-one, Isobornyl acrylate

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.  
**TSCA 12 (b) Export Notification:** None above reporting de minimis.  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Please refer to the GHS classification in Section 2  
**CERCLA/SARA Section 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). 2-Phenoxyethyl acrylate (CAS# 48145-04-6). Ethylene glycol monophenyl ether (CAS# 122-99-6). Hexachlorobenzene (CAS# 118-74-1).  
**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 3,7,9,11,15

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 01/23/2025

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