



Revision Number: 005.1

Issue date: 06/20/2025

**1. IDENTIFICATION**

<b>Product name:</b>	<b>LOCTITE AA 352 LIGHT CURE ADHESIVE known as Loctite(R) 352 Light Cure Adhe</b>	<b>IDH number:</b>	135413
<b>Product type/ Recommended use:</b>	Ultraviolet adhesive	<b>Item number:</b>	35286
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	Canada
<b>Company address:</b>	Henkel Canada Corporation Meadowpine Boulevard 2515 Mississauga, Ontario L5N 6C3	<b>Contact information:</b>	Telephone: +1 (905) 814-6511 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.  
H318 - CAUSES SERIOUS EYE DAMAGE.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1

**PICTOGRAM(S)**



**Precautionary Statements**

<b>Prevention:</b>	P261 - Avoid breathing mist/vapours. P264 - Wash affected area thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace.
<b>Response:</b>	P280 - Wear protective gloves, eye protection, and face protection. P302+P352 - IF ON SKIN: Wash with plenty of 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. P333+P313 - If skin irritation or rash occurs: Get medical attention. P362+P364 - Take off contaminated clothing and wash it before reuse.
<b>Storage:</b>	Not prescribed
<b>Disposal:</b>	P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

IDH number: 135413

Product name: LOCTITE AA 352 LIGHT CURE ADHESIVE known as Loctite(R) 352 Light Cure Adhe

**Other hazards** Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision 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 %*
2-Hydroxyethyl methacrylate	868-77-9	10 - 30
Isobornyl methacrylate	7534-94-3	10 - 30
Hydroxyalkyl methacrylate	27813-02-1	1 - 5
Tert-butyl perbenzoate	614-45-9	1 - 5
Acrylic acid	79-10-7	1 - 5
methacrylic acid	79-41-4	0.1 - 1
2-Propenoic acid, 2-methyl-, 2-(2-hydroxyethoxy)ethyl ester	2351-43-1	0.1 - 1
Polypropylene glycol monomethacrylate	39420-45-6	0.1 - 1

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

### 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. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention.
<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>	Keep individual calm. 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. In case of fire, keep containers cool with water spray.
<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.
<b>Unusual fire or explosion hazards:</b>	Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed storage vessels or containers.

**Hazardous combustion products:** Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. 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. Ventilate area.

**Clean-up methods:** Ensure adequate ventilation. 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. Wear suitable protective clothing, safety glasses and gloves. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. For operations where eye or face contact could occur, provide safety shower and eyewash fountain.

**Storage:** For safe storage, store at or below 38 °C (100.4 °F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**Shelf Life Statement:** Not available.

## 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
Hydroxyalkyl methacrylate	None	None	None	1 ppm TWA 3 ppm STEL
Acrylic acid	2 ppm TWA (SKIN)	None	None	1 ppm TWA 3 ppm STEL (SKIN)
methacrylic acid	20 ppm TWA	None	None	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. Butyl rubber gloves. Natural rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid

**Color:** Light amber

**Odor:** Sharp

**Odor threshold:** Not available.

**pH:** Not applicable, Product reacts with water.

**Vapor pressure:** < 10 mm hg (27 °C (80.6 °F)) < 4.67 hPa (20 °C (68°F))

<b>Boiling point/range:</b>	> 149 °C (> 300.2 °F)
<b>Melting point/ range:</b>	Not applicable, Product is a liquid
<b>Density/Relative density:</b>	1.11
<b>Relative vapor density:</b>	3 20 °C
<b>Flash point:</b>	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Flammability:</b>	The product is not flammable.
<b>Evaporation rate:</b>	Not available.
<b>Solubility:</b>	Slight Water
<b>Solubility:</b>	Miscible Acetone
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not available.
<b>VOC content:</b>	3.24 %; 35.96 g/l (ASTM D5403)
<b>Dynamic viscosity:</b>	Not available.
<b>Kinematic viscosity:</b>	> 20.5 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. Oxides of sulfur. Irritating organic vapours.
<b>Incompatible materials:</b>	Strong oxidizing agents. Reducing agents. Free radical initiators. Acids. Bases. Other polymerization initiators. Heavy metals. Alkalis. Moisture.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. Protect from direct sunlight. Avoid moisture.

## 11. TOXICOLOGICAL INFORMATION

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

**Inhalation:** May cause irritation to nose and throat.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye damage.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed. May be harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s
2-Hydroxyethyl methacrylate	Oral LD50 (Rat) = 11.2 g/kg Oral LD50 (Rat) = 5,050 mg/kg
Isobornyl methacrylate	None
Hydroxyalkyl methacrylate	None
Tert-butyl perbenzoate	Inhalation LC50 (Rat, 4 h) = > 0.26 mg/l
Acrylic acid	Oral LD50 (Rat) = 33.5 mg/kg Oral LD50 (Mouse) = 2,400 mg/kg Oral LD50 (Rat) = 2.5 g/kg Oral LD50 (Rat) = 193 mg/kg Oral LD50 (Rat) = 1,250 mg/kg Inhalation LC50 (Rat, 4 h) = 3.6 mg/l Inhalation LC50 (Rat, 4 h) = > 3.9 - < 4.8 mg/l Inhalation LC50 (Rat, 4 h) = > 5.1 mg/l
methacrylic acid	Oral LD50 (Mouse) = 1,332 mg/kg Oral LD50 (Mouse) = 1,600 mg/kg Oral LD50 (Mouse) = 1,250 mg/kg Oral LD50 (Rabbit) = 1,200 mg/kg Oral LD50 (Rat) = 1,060 mg/kg Oral LD50 (Rat) = 2,224 mg/kg Dermal LD50 (Rabbit) = 500 mg/kg
2-Propenoic acid, 2-methyl-, 2-(2-hydroxyethoxy)ethyl ester	None
Polypropylene glycol monomethacrylate	None

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
2-Hydroxyethyl methacrylate	Irritant	Allergen	
Isobornyl methacrylate	Irritant	Allergen	
Hydroxyalkyl methacrylate	Irritant	Allergen	
Tert-butyl perbenzoate	Irritant		Central nervous system Mutagen
Acrylic acid	Corrosive Irritant	Allergen	Kidney Liver
methacrylic acid	Corrosive Irritant	Allergen	
2-Propenoic acid, 2-methyl-, 2-(2-hydroxyethoxy)ethyl ester	Irritant	Allergen	
Polypropylene glycol monomethacrylate	Irritant	Allergen	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
2-Hydroxyethyl methacrylate	No	No	No
Isobornyl methacrylate	No	No	No
Hydroxyalkyl methacrylate	No	No	No
Tert-butyl perbenzoate	No	No	No
Acrylic acid	No	No	No
methacrylic acid	No	No	No
2-Propenoic acid, 2-methyl-, 2-(2-hydroxyethoxy)ethyl ester	No	No	No
Polypropylene glycol monomethacrylate	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.

#### Canada Transportation of Dangerous Goods - Ground

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

#### International Air Transportation (ICAO/IATA)

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

#### Water Transportation (IMO/IMDG)

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### 15. REGULATORY INFORMATION

#### Canada Regulatory Information

**CEPA DSL/NDSL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

#### 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.

### 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 3,8,11

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

**Issue date:** 06/20/2025

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