



Revision Number: 003.2

Issue date: 07/16/2025

1. IDENTIFICATION

Product name: Loctite Extreme Gel Glue
Product type/ Contact adhesive
Recommended use:
Restriction of Use: None identified
Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

IDH number: 2596210
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
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 1-800-424-9300 (toll free) or 1-703-527-3887
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: H227 - COMBUSTIBLE LIQUID.
 H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
 H319 - CAUSES SERIOUS EYE IRRITATION.
 H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
EYE IRRITATION	2A
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2

PICTOGRAM(S)



Precautionary Statements

Prevention: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.
 P261 - Avoid breathing mist/vapours.
 P264 - Wash affected area thoroughly after handling.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves, clothing, eye and face protection.

Response: 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.
 P308+P313 - IF exposed or concerned: Get medical attention.
 P333+P313 - If skin irritation or rash occurs: Get medical attention.
 P337+P313 - If eye irritation persists: Get medical attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: P403 - Store in a well-ventilated place.
 P405 - Store locked up.

Disposal: P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

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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 %*
Siloxanes and Silicones, methoxy vinyl	131298-48-1	5 - 10
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	1760-24-3	0.1 - 1
Trimethoxyvinylsilane	2768-02-7	0.1 - 1
Methanol	67-56-1	0.1 - 1
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1 - 1
1,8-Diazabicyclo[5.4.0]undec-7-ene	6674-22-2	0.1 - 1
bis(3-(trimethoxysilyl)propyl)amine	82985-35-1	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

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact:	Flush eyes with plenty of water for at least 5 minutes. If irritation persists seek medical attention.
Ingestion:	If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting.
Most important symptoms and effects (acute and delayed):	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
Indication of any immediate medical attention / special treatment needed:	Not available.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Improper extinguishing agents:	Not available.
Special firefighting procedures:	Wear protective equipment. Wear self contained breathing apparatus.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Acrid smoke and fumes. Oxides of carbon. Silicon dioxide Calcium oxide.

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:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Do not handle or store near an open flame, heat or other sources of ignition. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. Use only in well-ventilated areas. Wear suitable protective clothing, safety glasses and gloves. Keep out of the reach of children.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Provide adequate ventilation.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

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
Silica, amorphous, fumed, cryst.-free	3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	20 MPPCF TWA 0.8 mg/m3 TWA 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	20 MPPCF TWA 0.8 mg/m3 TWA 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Methanol	200 ppm TWA (SKIN) 250 ppm STEL	200 ppm (260 mg/m3) PEL	None	None

Engineering controls:	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment. Respirator with combination filter for vapor/particulate.
Eye/face protection:	Wear safety glasses with side shields. Do not wear contact lenses.
Skin protection:	Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	high viscosity, liquid
Color:	Colourless / Colorless, Clear
Odor:	Odourless / Odorless
Odor threshold:	Not available.
pH:	Not applicable, Product is non-soluble (in water).
Vapor pressure:	0.14 hPa (20 °C (68°F))
Boiling point/range:	220 °C (428°F)
Melting point/ range:	Not applicable, Product is a liquid
Density/Relative density:	1.1740
Relative vapor density:	20 °C Heavier than air
Flash point:	68 - 72 °C (154.4 - 161.6 °F)
Flammable/Explosive limits - lower:	0.16 % 1.4 %
Flammable/Explosive limits - upper:	50 %
Autoignition temperature:	Not applicable
Flammability:	The product is not flammable.
Evaporation rate:	Not determined
Solubility:	Partially soluble Water

Partition coefficient n-octanol/water (logarithmic value):	Not determined
VOC content:	14.46 %; 131.60 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method)
Dynamic viscosity:	150,000 - 200,000 mPa.s
Kinematic viscosity:	68,000 mm ² /s
Particle characteristics:	Not applicable, Product is a liquid
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Methanol is liberated slowly upon exposure to moisture.
Incompatible materials:	None if used for intended purpose.
Reactivity:	Not available.
Conditions to avoid:	Direct sources of heat. Do not freeze. Humidity

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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Potential Health Effects/Symptoms

Inhalation:	May be harmful if inhaled. Methanol is released during application and cure, which may affect the nervous system causing dizziness, headache or nausea.
Skin contact:	Repeated or prolonged skin contact may result in allergic sensitization. Persons with previous allergic reactions to amines should avoid contact with product.
Eye contact:	Contact with uncured product may irritate the eyes. Vapors may also produce eye irritation.
Ingestion:	May be harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s
Siloxanes and Silicones, methoxy vinyl	None
Silica, amorphous, fumed, crystal-free	None
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	Inhalation LC50 (Rat, 4 h) = > 1.49 - < 2.44 mg/l
Trimethoxyvinylsilane	Inhalation LC50 (Rat, 4 h) = 2773 ppm
Methanol	Oral LD50 (Rat) = 5,628 mg/kg Oral LD50 (Mouse) = 7,300 mg/kg Oral LD50 (Rabbit) = 14.4 g/kg Dermal LD50 (Rabbit) = 15,800 mg/kg
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	Inhalation LC50 (Rat, 4 h) = 500 mg/m3
1,8-Diazabicyclo[5.4.0]undec-7-ene	None
bis(3-(trimethoxysilyl)propyl)amine	None

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Siloxanes and Silicones, methoxy vinyl			
Silica, amorphous, fumed, crystal-free	Nuisance dust		
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	Irritant	Allergen	
Trimethoxyvinylsilane	Irritant	Allergen	
Methanol	Irritant		Eyes Metabolic Nervous System
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			
1,8-Diazabicyclo[5.4.0]undec-7-ene			
bis(3-(trimethoxysilyl)propyl)amine	Irritant	Allergen	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Siloxanes and Silicones, methoxy vinyl	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	No	No	No
Trimethoxyvinylsilane	No	No	No
Methanol	No	No	No
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	No	No	No
1,8-Diazabicyclo[5.4.0]undec-7-ene	No	No	No
bis(3-(trimethoxysilyl)propyl)amine	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:	Combustible liquid, n.o.s. (Vinyltrimethoxysilane)
Hazard class or division:	Combustible Liquid
Identification number:	NA 1993
Packing group:	III

International Air Transportation (ICAO/IATA)

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

Water Transportation (IMO/IMDG)

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

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:	Ethylene diamine (CAS# 107-15-3).
CERCLA/SARA Section 311/312:	Please refer to the GHS classification in Section 2
CERCLA/SARA Section 313:	None above reporting de minimis.
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/NDSL Status:	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
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16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: This Safety Data Sheet contains changes from the previous version in Section(s): 2,3,9,11

Prepared by: Product Safety and Regulatory Affairs

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