

# Safety Data Sheet



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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Loctite Extreme Glue	IDH number:	2627062
Product type/use:	Not available.	Region:	United States
Restriction of Use:	None identified	Contact information:	
Company address:		Telephone:	+1 (860) 571-5100
Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067		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

WARNING:	COMBUSTIBLE LIQUID. MAY CAUSE AN ALLERGIC SKIN REACTION.
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HAZARD CLASS	HAZARD CATEGORY
SKIN SENSITIZATION	1

### PICTOGRAM(S)



### Precautionary Statements

<b>Prevention:</b>	Keep away from heat, sparks, open flames, hot surfaces - no smoking. Avoid breathing vapors, mist, or spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.
<b>Response:</b>	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
<b>Storage:</b>	Store in a well-ventilated place. Keep cool.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

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	Percentage*
Silica, amorphous, fumed, crystal-free	112945-52-5	10 - 20
Trimethoxyvinylsilane	2768-02-7	1 - 5

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

## 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air, consult doctor if complaint persists.
<b>Skin contact:</b>	Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.
<b>Eye contact:</b>	Rinse immediately with plenty of running water, seek medical advice if necessary.
<b>Ingestion:</b>	Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice. DO NOT induce vomiting unless directed to do so by medical personnel.
<b>Symptoms:</b>	See Section 11.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	carbon dioxide, foam, powder, water spray jet, fine water spray
<b>Special firefighting procedures:</b>	Wear protective equipment. Wear self-contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) can be released.
<b>Hazardous combustion products:</b>	Irritating and toxic gases or fumes may be released during a fire.

## 6. ACCIDENTAL RELEASE MEASURES

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

<b>Environmental precautions:</b>	Do not empty into drains / surface water / ground water.
<b>Clean-up methods:</b>	Remove with liquid-absorbing material (sand, peat, sawdust). Dispose of contaminated material as waste according to Section 13.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Do not handle or store near an open flame, heat or other sources of ignition. Avoid skin and eye contact. Keep in a cool, well ventilated area. Ensure that workrooms are adequately ventilated.
<b>Storage:</b>	Ensure adequate ventilation. Store in sealed original container. Store in a dry place.

## 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, crystal-free	10 mg/m <sup>3</sup> TWA Inhalable dust. 3 mg/m <sup>3</sup> TWA Respirable fraction. 3 mg/m <sup>3</sup> TWA Respirable particles. 10 mg/m <sup>3</sup> TWA Inhalable particles.	20 MPPCF TWA 0.8 mg/m <sup>3</sup> TWA 50 MPPCF TWA Total dust. 5 mg/m <sup>3</sup> TWA Respirable fraction. 15 mg/m <sup>3</sup> TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Trimethoxyvinylsilane	None	None	None	None

<b>Engineering controls:</b>	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
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<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Eye/face protection:</b>	Wear safety glasses; chemical goggles (if splashing is possible).
<b>Skin protection:</b>	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	liquid
<b>Color:</b>	Clear
<b>Odor:</b>	almost odorless
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable, Product is non-soluble (in water).
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	20 - 55 °C (68°F - 131°F) no method / method unknown
<b>Melting point/ range:</b>	Not applicable, Product is a liquid
<b>Specific gravity:</b>	1.13
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	66.0 °C (150.8 °F) no method / method unknown
<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>	Not applicable
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Insoluble
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	5.2 %; 105 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method)
<b>Viscosity:</b>	5,000 - 15,000 mPa.s
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Evolves methanol during cure.
<b>Incompatible materials:</b>	None if used for intended purpose.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	None if used for intended purpose.

## 11. TOXICOLOGICAL INFORMATION

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

<b>Inhalation:</b>	This product is irritating to the respiratory system. Methanol is released during application and cure, which may affect the nervous system causing dizziness, headache or nausea.	
<b>Skin contact:</b>	May cause skin irritation.	
<b>Eye contact:</b>	Causes serious eye irritation.	
<b>Ingestion:</b>	May cause irritation of the stomach	

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
Trimethoxyvinylsilane	Inhalation LC50 (Rat, 4 h) = 2773 ppm	Irritant, Allergen

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silica, amorphous, fumed, crystal-free	No	No	No
Trimethoxyvinylsilane	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)

<b>Proper shipping name:</b>	Combustible liquid, n.o.s. (Vinyltrimethoxysilane)
<b>Hazard class or division:</b>	Combustible Liquid
<b>Identification number:</b>	NA 1993
<b>Packing group:</b>	III

### 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

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
<b>TSCA 12 (b) Export Notification:</b>	None above reporting de minimis
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimis. Ethylene diamine (CAS# 107-15-3). Furan (CAS# 110-00-9). Propylene oxide (CAS# 75-56-9).
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health, Fire
<b>CERCLA/SARA Section 313:</b>	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:**

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:** This Safety Data Sheet contains changes from the previous version in Section(s): 2,8,9,11

**Prepared by:** Regulatory Affairs

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