



Revision Number: 002.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>Loctite Shoe Glue</b>	<b>IDH number:</b>	2320563
<b>Product type:</b>	Contact adhesive	<b>Region:</b>	United States
<b>Restriction of Use:</b>	None identified	<b>Contact information:</b>	
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	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
		Internet:	www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**WARNING:** COMBUSTIBLE LIQUID.  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
SKIN IRRITATION	2
EYE IRRITATION	2A
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. Wash affected area thoroughly after handling. 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. Store in a well-ventilated place. Keep cool.
<b>Storage:</b>	
<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	1 - 10
Trimethoxyvinylsilane	2768-02-7	1 - 5
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	1760-24-3	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
Methanol	67-56-1	0.1 - 1
Ethyltrimethoxysilane	5314-55-6	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

<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>Skin contact:</b>	Wash with soap and water. Obtain medical attention if irritation persists.
<b>Eye contact:</b>	Flush eyes with plenty of water for at least 5 minutes. If irritation persists seek medical attention.
<b>Ingestion:</b>	If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting.
<b>Symptoms:</b>	See Section 11.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear protective equipment. Wear self contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	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.

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	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, crystal-free	10 mg/m <sup>3</sup> TWA Inhalable dust. 3 mg/m <sup>3</sup> TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m <sup>3</sup> TWA	None	None
Trimethoxyvinylsilane	None	None	None	None
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	None	None	None	None
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	None	None	None	None
1,8-Diazabicyclo[5.4.0]undec-7-ene	None	None	None	None
Methanol	200 ppm TWA (SKIN) 250 ppm STEL	200 ppm (260 mg/m <sup>3</sup> ) PEL	None	None
Ethyltrimethoxysilane	None	None	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

<b>Physical state:</b>	high viscosity, liquid
<b>Color:</b>	Colorless, clear
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.1740
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	68 - 72 °C (154.4 - 161.6 °F)
<b>Flammable/Explosive limits - lower:</b>	1.4 %
<b>Flammable/Explosive limits - upper:</b>	50 %
<b>Autoignition temperature:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	Not determined
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not determined

**VOC content:** 14.46 %; 131.6 g/l  
**Viscosity:** 150,000 - 250,000 mPa.s  
**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

**Relevant routes of exposure:** Skin, Eyes, Inhalation

### 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	Immediate and Delayed Health Effects
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
Trimethoxyvinylsilane	None	Irritant, Allergen
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	None	Irritant, Allergen
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	None	No Data
1,8-Diazabicyclo[5.4.0]undec-7-ene	None	No Target Organs
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	Eyes, Irritant, Metabolic, Nervous System
Ethyltrimethoxysilane	None	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
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	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
Methanol	No	No	No
Ethyltrimethoxysilane	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.

**Hazardous waste number:** It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

## 14. TRANSPORT INFORMATION

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

### 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 or are exempt from listing on the Toxic Substances Control Act Inventory.

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** Not available.

**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire

**CERCLA/SARA Section 313:** Not available.

**California Proposition 65:** 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.

## 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): 2,3,8,11,16

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

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