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Safety Data Sheet

Henkel

Revision Number: 006.1 Issue date: 08/01/2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE SI 5145
Product type: Silicone sealant
Restriction of Use: None identified

Company address: Henkel Corporation One Henkel Way

Rocky Hill, Connecticut 06067

IDH number: 135311 Item number: 20250 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

Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW		
WARNING:	MAY CAUSE AN ALLERGIC SKIN REACTION.	•

HAZARD CLASS		HAZARD CATEGORY	HAZARD CATEGORY	
SKIN SENSITIZATION	·	1		

PICTOGRAM(S)



Precautionary Statements

Prevention: Avoid breathing vapors, mist, or spray. Contaminated work clothing should not be allowed out

of the workplace. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention.

Wash contaminated clothing before reuse.

Storage: Not prescribed

Disposal: 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, treated	68909-20-6	20 - 30
Dimethoxydimethylsilane	1112-39-6	1 - 5
Tetraethyl silicate	78-10-4	1 - 5

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

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4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wipe off paste with paper towel or cloth. Wash with soap and water. If skin

irritation persists, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes. If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting. Get medical attention.

Symptoms: See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media: Foam, dry chemical or carbon dioxide. Do not use high volume water jet. In

case of fire, keep containers cool with water spray.

Special firefighting procedures: Prevent inhalation of fumes and gases. Wear self-contained breathing

apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. Oxides of silicon. Formaldehyde. Toxic and irritating vapors.

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 material to contaminate ground water system.

Clean-up methods: Scrape up as much material as possible. Maintain good ventilation for large

spills. Place scrap material in a well ventilated area and allow to cure to

rubber.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist.

Wash thoroughly after handling.

Storage: Store in a dry area below 90° F.

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, treated	10 mg/m3 TWA Inhalable dust.	6 mg/m3 TWA	None	None
Dimethoxydimethylsilane	None	None	None	None
Tetraethyl silicate	10 ppm TWA	100 ppm (850 mg/m3) PEL	None	None

Engineering controls: Ensure adequate ventilation, especially in confined areas. Avoid naked

flames, sparking and sources of ignition. Handle in accordance with good industrial hygiene and safety practice Prevent electrostatic charge build-up by

using common bonding and grounding techniques.

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Respiratory protection: Use a NIOSH approved supplied air respirator with an organic cartridge if the

potential to exceed established exposure limits exists.

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin

contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Product is a solid by ASTM D4359-90

Color:TranslucentOdor:Slight, AlcoholicOdor threshold:Not available.pH:Not applicable

Vapor pressure: < 10 mm hg (21.1 °C (70°F))

Boiling point/range:

Melting point/ range:

Specific gravity:

Vapor density:

Not applicable

Not available.

1.1 at 20 °C (68°F)

Not available.

Flash point: Not classified as a flammable solid per DOT Classification Guidelines Part 173

Appendix H 7/10/2002.

Flammable/Explosive limits - lower:
Flammable/Explosive limits - upper:
Autoignition temperature:
Flammability:
Flammability:
Evaporation rate:

Not applicable
Not applicable
Not available.

Solubility in water: Polymerises in presence of water.

Partition coefficient (n-octanol/water):

VOC content:

Viscosity:

Decomposition temperature:

Not available.

Not available.

Not available.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Hazardous reactions: None under normal processing.

Hazardous decomposition Oxides of carbon. Oxide

products:

Oxides of carbon. Oxides of silicon. Formaldehyde. Contact with water liberates methanol.

Irritating vapors.

Incompatible materials: Acids. Bases. Oxidizing agents. Moisture.

Reactivity: Not available.

Conditions to avoid: Exposure to moisture. Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

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

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Potential Health Effects/Symptoms

Inhalation: Inhalation of vapors from uncured sealant may cause respiratory tract irritation. Overexposure

to methanol formed during cure may cause drowsiness, nausea, and vomiting. When heated to

temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible

limit.

Skin contact: Prolonged or repeated contact with uncured sealant may cause skin irritation. May cause

allergic skin reaction.

Eye contact: May cause eye irritation.
Ingestion: May be harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Silica, amorphous, treated	None	No Target Organs
Dimethoxydimethylsilane	None	Irritant, Allergen
Tetraethyl silicate	None	Central nervous system, Irritant, Kidney, Liver, Lung

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silica, amorphous, treated	No	No	No
Dimethoxydimethylsilane	No	No	No
Tetraethyl silicate	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: Not a RCRA hazardous waste.

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: Not regulated

Hazard class or division:
Identification number:
Packing group:
None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated

Hazard class or division:

Identification number:

Packing group:

None

Water Transportation (IMO/IMDG)

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

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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:
CERCLA/SARA Section 311/312:
CERCLA/SARA Section 313:

None above reporting de minimis.
None above reporting de minimis.

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: 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.

16. OTHER INFORMATION

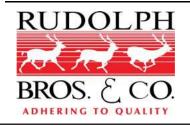
This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

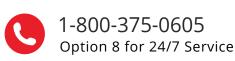
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