Revision Number: 001.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE 5613 SIL PTA 400ML
Product type: Silicone sealant

IDH number: 1253210
Item number: 1253211_198288
Region: United States

Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Contact information:
Telephone: 860.571.5100

Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state:	Paste	**HEALTH:**	1
Color:	Black	**FLAMMABILITY:**	1
Odor:	Mild	**PHYSICAL HAZARD:**	0
		Personal Protection:	Not available

CAUTION: PROLONGED OR REPEATED CONTACT WITH UNCURED SEALANT MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Eye contact, Lungs

Potential Health Effects

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system. This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use. 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.

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Ingestion: Not expected under normal conditions of use. Not expected to be harmful by ingestion.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Silicone Resin	Proprietary	30 - 60
Calcium carbonate	471-34-1	30 - 60
Organic Acid	Proprietary	1 - 5
Carbon black	1333-86-4	0.1 - 1

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Skin contact: Wash with soap and water. If adverse health effects develop seek medical attention.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

5. FIRE FIGHTING MEASURES

Flash point: > 93 °C (> 199.4 °F)

Autoignition temperature: Not available

Flammable/Explosive limits - lower: Not available

Flammable/Explosive limits - upper: Not available

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special firefighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Acrid smoke and fumes. Formaldehyde. Oxides of silicon. Oxides of carbon, oxides of nitrogen, irritating organic 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 product to enter sewer or waterways.

Clean-up methods: Maintain good ventilation for large spills. Scrape up as much material as possible. Spilled material will solidify. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling: Do not get on skin or clothing. Do not get in eyes. Avoid contact with eyes, skin and clothing. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation.

Storage: Store in a cool, dry area. Keep containers closed when not in use.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silicone Resin	None	None	None	None
Calcium carbonate	10 mg/m3 TWA Particulate matter containing no asbestos and < 1% crystalline silica	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Organic Acid	10 mg/m3 TWA	None	None	None
Carbon black	3.5 mg/m3 TWA	3.5 mg/m3 TWA	None	None

Engineering controls: Use only with adequate ventilation.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection: Wear 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:	Paste
Color:	Black
Odor:	Mild
Odor threshold:	Not available
pH:	Not available
Vapor pressure:	< 10 mm Hg (20 °C (68°F))
Boiling point/range:	Not available
Melting point/ range:	Not available
Specific gravity:	1.4 Approximately
Vapor density:	Not available
Flash point:	> 93 °C (> 199.4 °F)
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Autoignition temperature:	Not available
Evaporation rate:	Not available
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	0.09 %; < 1.00 g/l (by weight) (estimated)

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Formaldehyde. Oxides of carbon. Oxides of silicon. Irritating vapours.

Incompatible materials: Acids and bases. Oxidizing agents.

Conditions to avoid: Prolonged heating at temperatures above 150 °C. Exposure to moisture.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silicone Resin	No	No	No
Calcium carbonate	No	No	No
Organic Acid	No	No	No
Carbon black	No	Group 2B	No

Hazardous components	Health Effects/Target Organs
Silicone Resin	No Target Organs
Calcium carbonate	Nuisance dust
Organic Acid	Irritant
Carbon black	Respiratory, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

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

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 minimus
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Immediate Health
CERCLA/SARA 313:	None above reporting de minimus
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

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

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