Material Safety Data Sheet

Revision Number: 008.1 **Issue date:** 01/13/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE 5604 SIL BLK PTA 400ML
Product type: Silicone

IDH number: 1138254
Item number: 1138258_198972
Region: United States

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: high viscosity, Liquid
Color: Black
Odor: Mild

HEALTH: *1
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See MSDS Section 8

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

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation. 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: May cause skin irritation.

Eye contact: May cause irritation.

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

Existing conditions aggravated by exposure: None known

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Siloxanes and Silicones, di-Me, hydroxy-terminated	70131-67-8	60 - 100
Calcium carbonate	471-34-1	30 - 60
Carbon black	1333-86-4	1 - 5
Octadecanoic acid	57-11-4	1 - 5

4. FIRST AID MEASURES

Inhalation: No specific treatment is necessary since material is not likely to be hazardous by inhalation. If symptoms develop and persist, get medical attention. Move to fresh air.

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

Eye contact: Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.

Ingestion: Consult a physician if necessary. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Flash point: > 93.00 °C (> 199.4 °F)

Autoignition temperature: Not available

Flammable/Explosive limits - lower: Not applicable

Flammable/Explosive limits - upper: Not applicable

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special firefighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Formaldehyde. Oxides of silicon. Oxides of carbon.

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: Store in a partly filled, closed container until disposal. Scrape up as much material as possible.

7. HANDLING AND STORAGE

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

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

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
Siloxanes and Silicones, di-Me, hydroxy-terminated	None	None	None	None
Calcium carbonate	10 mg/m3 TWA Total dust.	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Carbon black	3.5 mg/m3 TWA	3.5 mg/m3 TWA	None	None
Octadecanoic acid	10 mg/m3 TWA	None	None	None

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

Respiratory protection: Breathing apparatus only if aerosol or dust is formed. No personal respiratory protective equipment normally required.

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

Skin protection: Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: high viscosity, Liquid
Color: Black
Odor: Mild
Odor threshold: Not available
pH: Not available
Vapor pressure: < 10 mm hg (20 °C (68°F))
Boiling point/range: > 260 °C (> 500°F)
Melting point/ range: Not available
Specific gravity: 1.4 Approximately
Vapor density: Not available
Flash point: > 93.00 °C (> 199.4 °F)
Flammable/Explosive limits - lower: Not applicable
Flammable/Explosive limits - upper: Not applicable
Autoignition temperature: Not available
Evaporation rate: Not applicable
Solubility in water: Not soluble
Partition coefficient (n-octanol/water): Not available
VOC content: 0.09 %; 0.94 g/l

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

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

Incompatible materials: Acids. Oxidizing agents. Bases.

Conditions to avoid: Excessive heat.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Siloxanes and Silicones, di-Me, hydroxy-terminated	No	No	No
Calcium carbonate	No	No	No
Carbon black	No	Group 2B	No
Octadecanoic acid	No	No	No

Hazardous components	Health Effects/Target Organs
Siloxanes and Silicones, di-Me, hydroxy-terminated	No Target Organs
Calcium carbonate	Nuisance dust
Carbon black	Respiratory, Some evidence of carcinogenicity
Octadecanoic acid	Irritant

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: Follow all local, state, federal and provincial regulations for disposal.

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, Delayed 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.
WHMIS hazard class:	D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Not available

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