



Maker

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# CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Product type:

Henkel Corporation

Loctite(R) 598 Black RTV High Performance Silicone Gasket Maker Silicone Sealant Company address: 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067

1.

Item number:

34018 / IDH No. 274809

Region: **United States Contact Information:** Telephone: (860) 571-5100 Emergency telephone: (860) 571-5100 Internet: www.loctite.com

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u> Calcium carbonate 1317-65-3	<u>%</u> 30-60	ACGIH TLV 10 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos { and <1% crystalline silica)	OSHA PEL 15 mg/m³ TWA (total dust) 5 mg/m³ TWA (respirable fraction)	OTHER None
Vinyl oximino silane 2224-33-1	1-5	None	None	None
Carbon black 1333-86-4	0.1-1	3.5 mg/m³ TWA	3.5 mg/m³ TWA	None
Silica, quartz 14808-60-7	0-0.1	0.05 mg/m <sup>3</sup> TWA (respirable fraction)	0.1mg/m³ TWA (respirable)	None

Exposure to moisture during cure wll release 3-5% methyl alcohol. Methyl ethyl ketoxime(MEKO) is formed during cure. This product will release up to 5% MEKO.

### **3. HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW				
			HMIS:	
Physical state Color: Odor:	e: Paste Black Mild		HEALTH: FLAMMABILITY: PHYSICAL HAZARD: Personal Protection:	1 1 0 See Section 8
WARNING: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.				
Relevant routes of exposure: Skin, inhalation, eyes, Ingestion				
Potential Health E	Effects			
Inhalation: Skin conta Eye contac Ingestion:	ict: ct:		Vapors and mist irritate the respiratory tract and nasal passages. When h exceeding 300° F (150° C) in the presence of air, silicones may form form Formaldehyde is a potential cancer hazard and a known skin and respirat the eyes, nose and throat. Safe handling conditions may be maintained b vapor concentrations below the OSHA permissible limt. The silane is a sk cause skin burns. Overexposure may cause coma and respiratory failure makes such overexposure unlikely and minimizes its affect on health and May cause skin irritation with discomfort or rash. Vapors may irritate eyes. Contact with eyes will cause irritation. Moderately toxic by ingestion. Not expected under normal conditions of u	haldehyde vapors. tory sensitizer. Vapors irritate by keeping formaldehyde kin and eye irritant and may b. The low concentration safety.
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#### See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If discomfort persists seek medical attention.
Skin contact:	Wipe off paste with paper towel or cloth. Wash with soap and water.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.

## **5. FIRE-FIGHTING MEASURES** Flash point: Greater than 93°C (200°F) Tagliabue closed cup Autoignition temperature: Not available Flammable/Explosive limits-lower %: Not applicable Flammable/Explosive limits-upper %: Not applicable Extinguishing media: Carbon dioxide (CO2). Foam. Dry chemical. Special fire fighting procedures: None Unusual fire or explosion hazards: None Hazardous combustion products: Formaldehyde. Silica fume. 6. ACCIDENTAL RELEASE MEASURES **Environmental precautions:** Do not flush into surface water or sanitary sewer 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: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not wear contact lenses. Storage: Store in a dry area below 90° F Keep container closed. Incompatible products: Never allow product to get in contact with water during storage.

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

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Itom number: 24018 / IDH No. 274800	Braduct names Leatite/B) 509 Black BTV/ High Berformance Siliaana Caakat
Eye/face protection:	Safety goggles or safety glasses with side shields.
Skin protection:	Chemical resistant, impermeable gloves. Impervious clothing
Respiratory protection:	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
Engineering controls:	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Color: Odor: Vapor pressure: pH: Boiling point/range:	Past Blac Mild <5 m Not a Not a
Melting point/range:	Not
Specific gravity:	1.3 a
Vapor density:	Hear
Evaporation rate:	Not a
Solubility in water:	Poly
Partition coefficient (n-octanol/water):	Not a
VOC content:	4.3%

Paste Black Mild <5 mmHg @20°C (68° F) Not applicable Not available 1.3 at 20 deg. C Heavier than air Not available Polymerizes in presence of water Not available 4.3%; 56 grams/liter

## **10. STABILITY AND REACTIVITY**

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Methyl ethyl ketoxime formed during cure
Incompatability:	Polymerizes on contact with water
Conditions to avoid:	Moisture.

## **11. TOXICOLOGICAL INFORMATION**

#### **Carcinogen Status**

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Calcium carbonate	No	No	No
Vinyl oximino silane	No	No	No
Carbon black	No	Group 2B	No
Silica, guartz	Known Carcinogen	Group 1	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Calcium carbonate	Nuisance dust
Vinyl oximino silane	Allergen, Irritant
Carbon black	Respiratory, Some evidence of carcinogenicity
Silica, quartz	Some evidence of carcinogenicity, Lung, Immune system

## **12. ECOLOGICAL INFORMATION**

**Ecological information:** 

No specific studies have been conducted by Loctite on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, 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 p	product only.
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**Recommended method of disposal:** Cured rubber can be incinerated or landfilled following EPA and local regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

#### **14. TRANSPORT INFORMATION**

U.S. DOT 49 CFR:	
Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None
International Air Transportation (ICAO	<u>/IATA):</u>
Proper shipping name:	Unrestricted
Hazard class or division:	None

Identification number:	None
Packing group:	None
WaterTransportation (IMO/IMDG):	
Proper shipping name:	Unrestricted

Hazard class or division:NoneIdentification number:NonePacking group:NoneExceptions:NoneMarine pollutant:None

### **15. REGULATORY INFORMATION**

#### **United States Regulatory Information**

TSCA 8 (b) Inventory Status: TSCA 12 (b) Export Notification:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. Methyl ethyl ketoxime (CAS# 96-29-7).	
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA 313:	None. None. None.	
California Proposition 65:	This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Toluene (CAS# 108-88-3). <1 ppm.	
Canada Regulatory Information		
CEPA DSL/NDSL Status: WHMIS hazard class:	All components are listed on or are exempt from listing on the Domestic Substances List. D.2.B	

#### **16. OTHER INFORMATION**

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

Prepared by:

**Regulatory Affairs** 

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