

Revision Number: 009.0

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

Product type/use: Sealant Restriction of Use: None id Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067

LOCTITE SI 596 RD known as LOCTITE® SUPERFLEX® RED HIGH T Sealant None identified

IDH number:	198817
Item number:	59675
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 EMERGEN	ICY Phone: CHEMTREC
1-800-424-9300 (toll free)	or 1-703-527-3887
Internet: www.henkelna.c	om

### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW		
WARNING:	CAUSES SKIN IRRITATION.	
	CAUSES SERIOUS EYE IRRITATION.	

SKIN IRRITATION	
	2
EYE IRRITATION	2A



**Precautionary Statements** 

Prevention:	Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face
Response:	protection. 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
•	occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
Storage:	Not prescribed
Disposal:	Not prescribed

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*
Silicon dioxide	7631-86-9	5 - 10
Diiron trioxide	1309-37-1	1 - 5
Barium sulfate	7727-43-7	0.1 - 1

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

4. F	FIRST AID MEASURES
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. 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. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Symptoms:	See Section 11.
Notes to physician:	Treat symptomatically.
5. FIR	E FIGHTING MEASURES
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	None
Unusual fire or explosion hazards:	None

# 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:** 

Hazardous combustion products:

Clean-up methods:

Do not allow product to enter sewer or waterways.

Silica mist. Formaldehyde. Acrid smoke and fumes.

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

#### 7. HANDLING AND STORAGE

Handling:

Storage:

Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

Keep container closed. 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
Silicon dioxide	6 mg/m3 TWA	20 MPPCF TWA 0.8 mg/m3 TWA	None	3 mg/m3 TWA Respirable fraction.
Diiron trioxide	5 mg/m3 TWA Respirable fraction.	10 mg/m3 PEL Fume. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Barium sulfate	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust.	None	None

**Engineering controls:** 

Respiratory protection:

Use only with adequate ventilation.

Use NIOSH approved respirator if there is potential to exceed exposure  ${\sf limit}(s).$ 

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

Skin protection:

Eye/face protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Color: Odor. Odor threshold: pH: . Vapor pressure: Boiling point/range: Melting point/ range: Specific gravity: Vapor density: Flash point: Flammable/Explosive limits - lower: Flammable/Explosive limits - upper: Autoignition temperature: Flammability: Evaporation rate: Solubility in water: Solubility in water: Partition coefficient (n-octanol/water): **VOC content:** 

Viscosity: Decomposition temperature:

Liquid, Paste Red Acetic acid Not available. Not applicable 13 hPa (21 °C (69.8 °F)) Not available. Not available. 1.01 at 20 °C (68°F) Heavier than air. > 93 °C (> 199.4 °F) 4 % (acetic acid) 19.9 % (acetic acid) Not available. Not applicable Not available. Not soluble. Polymerizes in presence of water. Not determined Not available. 3.08 %; 32 g/l Not available. Not available. Not available.

# **10. STABILITY AND REACTIVITY**

Stability: Stable under norma	I conditions of storage and use.
Hazardous reactions: Will not occur.	
Hazardous decomposition Acetic acid is liberat products:	ed slowly upon contact with moisture. Formaldehyde. Irritating vapors.
Incompatible materials: Acids. Water Bases	. Oxidizing agents.
Reactivity: Not available.	
Conditions to avoid: Exposure to moisture	e. Prolonged heating at temperatures above 150 °C.

### **11. TOXICOLOGICAL INFORMATION**

Relevant routes of exposure:

Skin, Inhalation, Eyes, Ingestion

#### Potential Health Effects/Symptoms

Inhalation:

Skin contact: Eye contact:

Ingestion:

Acetic acid produced during cure may irritate eyes, nose and throat. 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. Causes skin irritation.

Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Silicon dioxide	Oral LD50 (Rat) = > 22,500 mg/kg Oral LD50 (Mouse) = > 15,000 mg/kg	Nuisance dust
Diiron trioxide	None	Allergen, Cardiac, Central nervous system, Irritant, Kidney, Liver, Lung
Barium sulfate	None	Lung

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silicon dioxide	No	No	No
Diiron trioxide	No	No	No
Barium sulfate	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. Cured rubber can be incinerated or landfilled following EPA and local regulations.

 Hazardous waste number:
 D005. Barium. This product may contain traces of: D007. Chromium. However this product is only classifiable as hazardous waste if it exhibits the characteristics of toxicity as shown by the toxicity characteristic leaching procedure (TCLP). Under RCRA, it is the responsibility of the end user of this product to determine whether it meets this criteria at the time of disposal. 060204

### 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:	None
Identification number:	None
Packing group:	None

#### International Air Transportation (ICAO/IATA)

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

#### Water Transportation (IMO/IMDG)

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

#### **15. REGULATORY INFORMATION**

#### United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) 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. Immediate Health None above reporting de minimis.
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer. 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:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

## **16. OTHER INFORMATION**

This safety data sheet contains changes from the previous version in sections: 2, 3, 8, 11

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

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