



Revision Number: 002.1

Issue date: 06/03/2015

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |  |                     |               |
|-------------------------------|--|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE SI 596 RD KNOWN AS<br/>LOCTITE RD RTV SIL</b> | <b>IDH number:</b>  | 235505        |
| <b>Product type:</b>          | Silicone   | <b>Item number:</b> | 82279         |
| <b>Restriction of Use:</b>    | None identified  | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                              |                     |               |
| Henkel Corporation            | Telephone: (860) 571-5100                                |                     |               |
| One Henkel Way                | MEDICAL EMERGENCY Phone: Poison Control Center           |                     |               |
| Rocky Hill, Connecticut 06067 | 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

**DANGER:** CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE DAMAGE.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN IRRITATION    | 2               |
| SERIOUS EYE DAMAGE | 1               |
| SKIN SENSITIZATION | 1               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |  |
|--------------------|--|
| <b>Prevention:</b> | Avoid breathing dust or fumes. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.  |
| <b>Response:</b>   | 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. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing. |
| <b>Storage:</b>    | Not prescribed   |
| <b>Disposal:</b>   | 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

IDH number: 235505

Product name: LOCTITE SI 596 RD KNOWN AS LOCTITE RD RTV SIL  
Page 1 of 6

| Hazardous Component(s)                 | CAS Number | Percentage* |
|--|------------|-------------|
| Siloxanes and Silicones, di-Me         | 63148-62-9 | 60 - 100    |
| Silicon dioxide                        | 7631-86-9  | 5 - 10      |
| Diiron trioxide                        | 1309-37-1  | 1 - 5       |
| Methylsilanetriyl triacetate           | 4253-34-3  | 1 - 5       |
| Triacetoxylethylsilane                 | 17689-77-9 | 1 - 5       |
| Gamma-glycidoxypentyl trimethoxysilane | 2530-83-8  | 0.1 - 1     |
| Barium sulfate                         | 7727-43-7  | 0.1 - 1     |
| Silicon dioxide                        | 7631-86-9  | 0.1 - 1     |

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### 4. FIRST AID MEASURES

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Move to fresh air. If symptoms persist, seek medical advice.   |
| <b>Skin contact:</b> | Wipe off paste with paper towel or cloth. Wash with soap and water.  |
| <b>Eye contact:</b>  | Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist. |
| <b>Ingestion:</b>    | Do not induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician.     |
| <b>Symptoms:</b>     | See Section 11.  |

#### 5. FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Extinguishing media:</b>               | Foam, dry chemical or carbon dioxide.             |
| <b>Special firefighting procedures:</b>   | None  |
| <b>Unusual fire or explosion hazards:</b> | None  |
| <b>Hazardous combustion products:</b>     | Formaldehyde. Silica mist. Acrid smoke and fumes. |

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

|                                   |  |
|-----------------------------------|--|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.  |
| <b>Clean-up methods:</b>          | Scrape up as much material as possible. Spilled material will solidify. Store in a partly filled, closed container until disposal. Maintain good ventilation for large spills. |

#### 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Avoid contact with eyes, skin and clothing. Do not get in eyes. Do not get on skin or clothing. Do not wear contact lenses. |
| <b>Storage:</b>  | Store in a dry area below 90° F. Keep container closed.   |

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 Component(s)                | ACGIH TLV                           | OSHA PEL   | AIHA WEEL | OTHER                               |
|---------------------------------------|-------------------------------------|--|-----------|-------------------------------------|
| Siloxanes and Silicones, di-Me        | None                                | None   | None      | None                                |
| Silicon dioxide                       | 6 mg/m3 TWA                         | 20 MPPCF TWA<br>0.8 mg/m3 TWA                                      | None      | 3 mg/m3 TWA<br>Respirable fraction. |
| Diiron trioxide                       | 5 mg/m3 TWA<br>Respirable fraction. | 10 mg/m3 PEL Fume.   | None      | None                                |
| Methylsilanetriyl triacetate          | None                                | None   | None      | None                                |
| Triacetoxyethylsilane                 | None                                | None   | None      | None                                |
| Gamma-glycidoxypopyl trimethoxysilane | None                                | None   | None      | None                                |
| Barium sulfate                        | 5 mg/m3 TWA<br>Inhalable fraction.  | 5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL Total<br>dust. | None      | None                                |
| Silicon dioxide                       | 6 mg/m3 TWA                         | 20 MPPCF TWA<br>0.8 mg/m3 TWA                                      | None      | 3 mg/m3 TWA<br>Respirable fraction. |

### Engineering controls:

Use only with adequate ventilation.

### Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). 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:                          | Solid  |
| Color:                                   | Red  |
| Odor:                                    | Acetic acid                                    |
| 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:                        | 1.01 at 20 °C (68°F)                           |
| Vapor density:                           | Heavier than air.                              |
| Flash point:                             | > 93.33 °C (> 199.99 °F) Tagliabue closed cup  |
| Flammable/Explosive limits - lower:      | 4 % (acetic acid)                              |
| Flammable/Explosive limits - upper:      | 19.9 % (acetic acid)                           |
| Autoignition temperature:                | Not available.                                 |
| Evaporation rate:                        | Not available.                                 |
| Solubility in water:                     | Not soluble. Polymerizes in presence of water. |
| Partition coefficient (n-octanol/water): | Not available.                                 |
| VOC content:                             | 4.7 %; 47.47 g/l                               |
| Viscosity:                               | Not available.                                 |
| Decomposition temperature:               | Not available.                                 |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable  |
| <b>Hazardous reactions:</b>              | Will not occur.   |
| <b>Hazardous decomposition products:</b> | Acetic acid is liberated slowly upon contact with moisture. Formaldehyde. |
| <b>Incompatible materials:</b>           | Acids. Bases. Oxidizing agents. Water.                                    |
| <b>Reactivity:</b>                       | Not available.  |
| <b>Conditions to avoid:</b>              | Prolonged heating at temperatures above 150 °C. Exposure to moisture.     |

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | 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. |
| <b>Skin contact:</b> | May cause skin irritation.   |
| <b>Eye contact:</b>  | Vapors may irritate eyes. Contact with eyes will cause irritation.   |
| <b>Ingestion:</b>    | Not expected to be harmful by ingestion.   |

| Hazardous Component(s)                 | LD50s and LC50s                  | Immediate and Delayed Health Effects                                     |
|--|----------------------------------|--|
| Siloxanes and Silicones, di-Me         | None                             | Irritant   |
| Silicon dioxide                        | Oral LD50 (RAT) = > 22,500 mg/kg | Nuisance dust  |
| Diiron trioxide                        | None                             | Allergen, Cardiac, Central nervous system, Irritant, Kidney, Liver, Lung |
| Methylsilanetriyl triacetate           | None                             | Irritant, Allergen   |
| Triacetoxylethylsilane                 | None                             | No Target Organs   |
| Gamma-glycidoxypentyl trimethoxysilane | None                             | Allergen, Irritant   |
| Barium sulfate                         | None                             | Lung   |
| Silicon dioxide                        | Oral LD50 (RAT) = > 22,500 mg/kg | Nuisance dust  |

| Hazardous Component(s)                 | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| Siloxanes and Silicones, di-Me         | No             | No              | No                                       |
| Silicon dioxide                        | No             | No              | No                                       |
| Diiron trioxide                        | No             | No              | No                                       |
| Methylsilanetriyl triacetate           | No             | No              | No                                       |
| Triacetoxylethylsilane                 | No             | No              | No                                       |
| Gamma-glycidoxypentyl trimethoxysilane | No             | No              | No                                       |
| Barium sulfate                         | No             | No              | No                                       |
| Silicon dioxide                        | 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:** 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:** 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 minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis

**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health

**CERCLA/SARA Section 313:** 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/NDL 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: New Safety Data Sheet format.

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