



Revision Number: 006.0

Issue date: 08/22/2025

**1. IDENTIFICATION**

|   |  |                             |  |
|---|--|-----------------------------|--|
| <b>Product name:</b>                      | <b>LOCTITE SI 5109 RD known as<br/>LOCTITE® Tile Bond Red High Te</b>                  | <b>IDH number:</b>          | 229904   |
| <b>Product type/<br/>Recommended use:</b> | Silicone   | <b>Item number:</b>         | 19163  |
| <b>Restriction of Use:</b>                | None identified  | <b>Region:</b>              | Canada   |
| <b>Company address:</b>                   | Henkel Canada Corporation<br>Meadowpine Boulevard 2515<br>Mississauga, Ontario L5N 6C3 | <b>Contact information:</b> | Telephone: +1 (905) 814-6511<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER:** H315 - CAUSES SKIN IRRITATION.  
H318 - CAUSES SERIOUS EYE DAMAGE.

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

**PICTOGRAM(S)**



**Precautionary Statements**

|                    |  |
|--------------------|--|
| <b>Prevention:</b> | P264 - Wash affected area thoroughly after handling.<br>P280 - Wear protective gloves, eye protection, and face protection.  |
| <b>Response:</b>   | P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P332+P313 - If skin irritation occurs: Get medical attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse. |
| <b>Storage:</b>    | Not prescribed   |
| <b>Disposal:</b>   | Not prescribed   |

**Other hazards** Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision 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 | Weight %* |
|------------------------------|------------|-----------|
| Methylsilanetriyl triacetate | 4253-34-3  | 1 - 5     |
| Triacetoxylethylsilane       | 17689-77-9 | 1 - 5     |

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

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

|  |  |
|--|--|
| <b>Inhalation:</b>   | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| <b>Skin contact:</b>   | Wipe off paste with paper towel or cloth. Wash with soap and water. If symptoms develop and persist, get medical attention.      |
| <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 symptoms develop and persist, get medical attention.  |
| <b>Most important symptoms and effects (acute and delayed):</b>                  | The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.   |
| <b>Indication of any immediate medical attention / special treatment needed:</b> | Treat symptomatically.   |

### 5. FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Extinguishing media:</b>               | Foam, dry chemical or carbon dioxide.   |
| <b>Improper extinguishing agents:</b>     | Not available.  |
| <b>Special firefighting procedures:</b>   | Prevent inhalation of fumes and gases. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b> | None  |
| <b>Hazardous combustion products:</b>     | Silica mist. Formaldehyde Acrid smoke and fumes. Irritating organic vapours.  |

### 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. |
|-----------------------------------|---|

**Clean-up methods:**

Spilled material will solidify. Maintain good ventilation for large spills. Scrape up as much material as possible. Place scrap material in a well ventilated area and allow to cure to rubber. Store in a partly filled, closed container until disposal.

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

**Storage:**

Keep container closed. Store in a dry area below 90° F.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 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 |
|--|--|--|-----------|-------|
| Silane, dichlorodimethyl-, reaction products with silica | 3 mg/m3 TWA<br>Respirable particles.<br>10 mg/m3 TWA<br>Inhalable particles. | 0.8 mg/m3 TWA<br>20 MPPCF TWA<br>50 MPPCF TWA<br>Total dust.<br>15 mg/m3 TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 MPPCF TWA<br>Respirable fraction. | None      | None  |
| Diiron trioxide  | 5 mg/m3 TWA<br>Respirable fraction.  | 10 mg/m3 PEL<br>Fume.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.         | None      | None  |

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:**

No personal respiratory protective equipment normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Safety showers and eye wash stations should be available.

**Skin protection:**

Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**

Paste

**Color:**

Red

**Odor:**

Acetic acid

**Odor threshold:**

Not available.

**pH:**

Not available.

**Vapor pressure:**

Not available.

**Boiling point/range:**

Not available.

**Melting point/ range:**

Not available.

**Density/Relative density:** 1.01 at 20 °C (68°F)  
**Relative vapor density:** Heavier than air.  
**Flash point:** > 93 °C (> 199.4 °F)  
**Flammable/Explosive limits - lower:** 4 % (acetic acid)  
**Flammable/Explosive limits - upper:** 19.9 % (acetic acid)  
**Autoignition temperature:** Not available.  
**Flammability:** Not applicable  
**Evaporation rate:** Not available.  
**Solubility:** Not soluble. Polymerizes in presence of water. Water  
**Partition coefficient n-octanol/water (logarithmic value):** Not available.  
**VOC content:** 2.74 %; 27.86 g/l  
**Dynamic viscosity:** Not available.  
**Kinematic viscosity:** Not available.  
**Particle characteristics:** Not available.  
**Decomposition temperature:** Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.  
**Hazardous reactions:** None under normal processing.  
**Hazardous decomposition products:** Acetic acid is liberated slowly upon contact with moisture. Formaldehyde Oxides of carbon. Oxides of silicon.  
**Incompatible materials:** Acids. Bases. Oxidizing agents. Water  
**Reactivity:** Not available.  
**Conditions to avoid:** Exposure to moisture. Prolonged heating at temperatures above 150 °C.

## 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** Skin, Inhalation, Eyes, Ingestion

### Potential Health Effects/Symptoms

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** Causes skin irritation.  
**Eye contact:** Causes serious eye damage.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use.

| Hazardous Component(s)       | LD50s and LC50s |
|------------------------------|-----------------|
| Methylsilanetriyl triacetate | None            |
| Triacetoxethylsilane         | None            |

| Hazardous Component(s)       | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects |
|------------------------------|--------------------------|------------------------|------------------------|
| Methylsilanetriyl triacetate | Irritant                 | Allergen               |                        |
| Triacetoxethylsilane         |                          |                        |                        |

| Hazardous Component(s)       | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------------|----------------|-----------------|--|
| Methylsilanetriyl triacetate | No             | No              | No                                       |
| Triacetoxethylsilane         | 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.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

### Canada Transportation of Dangerous Goods - Ground

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

### International Air Transportation (ICAO/IATA)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

### Water Transportation (IMO/IMDG)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

## 15. REGULATORY INFORMATION

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

### 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.

## 16. OTHER INFORMATION

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

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

**Issue date:** 08/22/2025

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