



Revision Number: 004.0

Issue date: 10/30/2023

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                              |                                                                                   |                     |        |
|------------------------------|-----------------------------------------------------------------------------------|---------------------|--------|
| <b>Product name:</b>         | <b>LOCTITE 564 LOW STRENGTH PIPE SEALANT known as LOCTITE® 564 THREAD SEALANT</b> | <b>IDH number:</b>  | 233498 |
| <b>Product type/use:</b>     | Anaerobic Sealant                                                                 | <b>Item number:</b> | 28754  |
| <b>Restriction of Use:</b>   | None identified                                                                   | <b>Region:</b>      | Canada |
| <b>Company address:</b>      | <b>Contact information:</b>                                                       |                     |        |
| Henkel Canada Corporation    | Telephone: +1 (905) 814-6511                                                      |                     |        |
| Meadowpine Boulevard 2515    | MEDICAL EMERGENCY Phone: Poison Control Center                                    |                     |        |
| Mississauga, Ontario L5N 6C3 | 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

**WARNING:** CAUSES SKIN IRRITATION.  
CAUSES SERIOUS EYE IRRITATION.  
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

| HAZARD CLASS                                       | HAZARD CATEGORY |
|----------------------------------------------------|-----------------|
| SKIN IRRITATION                                    | 2               |
| EYE IRRITATION                                     | 2A              |
| SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | 2               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention:</b> | Do not breathe vapors, mist, or spray. Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face protection.                                                                                                                                                                                                      |
| <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. Get medical attention if you feel unwell. If skin irritation occurs: Get medical attention. If eye irritation persists: 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 Canadian Hazardous Products Regulations (WHMIS 2015) 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.**

IDH number: 233498

Product name: LOCTITE 564 LOW STRENGTH PIPE SEALANT known as LOCTITE® 564 THREAD SEALANT

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s)            | CAS Number | Weight %* |
|-----------------------------------|------------|-----------|
| Ethene, tetrafluoro-, homopolymer | 9002-84-0  | 5 - 10    |
| Titanium dioxide                  | 13463-67-7 | 1 - 5     |
| Treated fumed silica              | 67762-90-7 | 1 - 5     |
| Saccharin                         | 81-07-2    | 1 - 5     |
| Cumene hydroperoxide              | 80-15-9    | 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

|                      |                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention. |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.                                                       |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.                   |
| <b>Symptoms:</b>     | See Section 11.                                                                                                                                                       |

### 5. FIRE FIGHTING MEASURES

|                                           |                                                                                                                                                      |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.                                                                                             |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. |
| <b>Unusual fire or explosion hazards:</b> | Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.                                 |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Toxic fluorine compounds. 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.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clean-up methods:</b>          | Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. |

## 7. HANDLING AND STORAGE

**Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.

**Storage:** For safe storage, store at or below 38 °C (100.4 °F)  
Keep in a cool, well ventilated area away from heat, sparks and open flame.  
Keep container tightly closed until ready for use.

**Shelf Life Statement:** Not available.

## 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                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------|
| Ethene, tetrafluoro-, homopolymer | None                                                                                                     | None                                                                                                                                                                     | None                             | 10 mg/m3 TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction. |
| Titanium dioxide                  | 0.2 mg/m3 TWA<br>Respirable<br>nanoscale particles<br>2.5 mg/m3 TWA<br>Respirable<br>finescale particles | 15 mg/m3 PEL<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction. | None                             | None                                                               |
| Treated fumed silica              | 10 mg/m3 TWA<br>Inhalable dust.<br>3 mg/m3 TWA<br>Respirable fraction.                                   | 15 mg/m3 TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.                                                                                                       | None                             | None                                                               |
| Saccharin                         | None                                                                                                     | None                                                                                                                                                                     | None                             | None                                                               |
| Cumene hydroperoxide              | None                                                                                                     | None                                                                                                                                                                     | 1 ppm (6 mg/m3)<br>TWA<br>(SKIN) | None                                                               |

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:** Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:** Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Neoprene gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid, Paste  
**Color:** White  
**Odor:** Mild  
**Odor threshold:** Not available.  
**pH:** Not applicable  
**Vapor pressure:** < 5 mm hg (27 °C (80.6 °F))  
**Boiling point/range:** > 149 °C (> 300.2 °F)None  
**Melting point/ range:** Not available.

**Specific gravity:** 1.1626 Approximately  
**Vapor density:** Not available.  
**Flash point:** > 93.3 °C (> 199.94 °F) Tagliabue closed cup  
**Flammable/Explosive limits - lower:** Not available.  
**Flammable/Explosive limits - upper:** Not available.  
**Autoignition temperature:** Not available.  
**Flammability:** Not applicable  
**Evaporation rate:** Not available.  
**Solubility in water:** Slight  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** 0.04 %; 0.42 g/l Estimated  
**Viscosity:** 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. Polymerization may occur at elevated temperature or in the presence of incompatible materials.  
**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Toxic fluorine compounds. Irritating organic vapours.  
**Incompatible materials:** Strong oxidizing agents.  
**Reactivity:** Not available.  
**Conditions to avoid:** Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system.  
**Skin contact:** Causes skin irritation.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)            | LD50s and LC50s                                                                                                                  | Immediate and Delayed Health Effects                           |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Ethene, tetrafluoro-, homopolymer | None                                                                                                                             | No Target Organs                                               |
| Titanium dioxide                  | Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l | Irritant, Respiratory, Some evidence of carcinogenicity        |
| Treated fumed silica              | None                                                                                                                             | Irritant                                                       |
| Saccharin                         | Oral LD50 (Mouse) = 17 g/kg                                                                                                      | No Target Organs                                               |
| Cumene hydroperoxide              | None                                                                                                                             | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |

| Hazardous Component(s)            | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-----------------------------------|----------------|-----------------|------------------------------------------|
| Ethene, tetrafluoro-, homopolymer | No             | No              | No                                       |
| Titanium dioxide                  | No             | Group 2B        | No                                       |
| Treated fumed silica              | No             | No              | No                                       |
| Saccharin                         | No             | No              | No                                       |
| Cumene hydroperoxide              | 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.

## 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

|                           |               |
|---------------------------|---------------|
| 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

### Canada Regulatory Information

CEPA DSL/NDL 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.  
This product contains one or more components with a Polymer Exemption in accordance with 40 CFR 723.250.

## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 3,8,11,15

Prepared by: Product Safety and Regulatory Affairs

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