



Revision Number: 003.0

Issue date: 10/20/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                              |   |                     |        |
|------------------------------|---|---------------------|--------|
| <b>Product name:</b>         | <b>LOCTITE® 565™ PST® PIPE SEALANT<br/>THREAD SEALANT</b> | <b>IDH number:</b>  | 88551  |
| <b>Product use:</b>          | Sealant   | <b>Item number:</b> | 56531  |
|                              |   | <b>Region:</b>      | Canada |
| <b>Company address:</b>      | <b>Contact information:</b>                               |                     |        |
| Henkel Canada Corporation    | Telephone: 905.814.6511                                   |                     |        |
| 2515 Meadowpine Boulevard    | 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

|                        |               |                            |              |
|------------------------|---------------|----------------------------|--------------|
| <b>Physical state:</b> | Liquid, Paste | <b>WHMIS hazard class:</b> | D.2.A, D.2.B |
| <b>Color:</b>          | White         |                            |              |
| <b>Odor:</b>           | Mild          |                            |              |

**WARNING:** CAUSES EYE IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE SKIN IRRITATION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.

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

#### Potential Health Effects

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | May cause respiratory tract irritation.                      |
| <b>Skin contact:</b> | May cause allergic skin reaction. May cause skin irritation. |
| <b>Eye contact:</b>  | Contact with eyes will cause irritation.                     |
| <b>Ingestion:</b>    | May cause gastrointestinal tract irritation if swallowed.    |

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components              | CAS NUMBER | %       |
|-----------------------------------|------------|---------|
| Polyglycol dimethacrylate         | 25852-47-5 | 30 - 60 |
| Cellulose ester                   | 9004-36-8  | 10 - 30 |
| Ethene, tetrafluoro-, homopolymer | 9002-84-0  | 1 - 5   |
| 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   |
| Ethylene glycol                   | 107-21-1   | 0.1 - 1 |
| Cumene                            | 98-82-8    | 0.1 - 1 |

#### 4. FIRST AID MEASURES

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.                                      |
| <b>Skin contact:</b> | Remove contaminated clothing and footwear. Wash clothing before reuse. Immediately flush skin with plenty of water (using soap, if available). Get medical attention. |
| <b>Eye contact:</b>  | Get medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.   |
| <b>Ingestion:</b>    | Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention.   |

#### 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | > 93 °C (> 199.4 °F)   |
| <b>Autoignition temperature:</b>           | Not available.   |
| <b>Flammable/Explosive limits - lower:</b> | Not available.   |
| <b>Flammable/Explosive limits - upper:</b> | Not available.   |
| <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 sulfur. Oxides of nitrogen. Toxic fluorine compounds. Irritating organic vapours.  |
| <b>Sensitivity to Mechanical Impact:</b>   | Not available.   |
| <b>Sensitivity to static discharge:</b>    | Not available.   |

#### 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

|                  |   |
|------------------|---|
| <b>Handling:</b> | Keep container closed. Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. 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.

For information on product shelf life contact Henkel Canada Customer Service at 800-263-5043.

## 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 components              | ACGIH TLV  | OSHA PEL   | AIHA WEEL                        | OTHER  |
|-----------------------------------|--|--|----------------------------------|--|
| Polyglycol dimethacrylate         | None   | None   | None                             | None   |
| Cellulose ester                   | None   | None   | None                             | None   |
| Ethene, tetrafluoro-, homopolymer | None   | None   | None                             | 10 mg/m3 TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction. |
| Titanium dioxide                  | 10 mg/m3 TWA   | 15 mg/m3 PEL<br>Total dust.  | 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   |
| Ethylene glycol                   | 100 mg/m3 Ceiling<br>Aerosol.  | None   | None                             | None   |
| Cumene                            | 50 ppm TWA   | 50 ppm (245<br>mg/m3) PEL<br>(SKIN)                                | None                             | 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, Butyl-rubber, or nitrile-rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                             |
|--|-----------------------------|
| <b>Physical state:</b>                     | Liquid, Paste               |
| <b>Color:</b>                              | White                       |
| <b>Odor:</b>                               | Mild                        |
| <b>Odor threshold:</b>                     | Not available.              |
| <b>pH:</b>                                 | Not applicable              |
| <b>pH:</b>                                 | Not applicable              |
| <b>Vapor pressure:</b>                     | < 5 mm hg (27 °C (80.6 °F)) |
| <b>Boiling point/range:</b>                | > 149 °C (> 300.2 °F)       |
| <b>Melting point/ range:</b>               | Not available.              |
| <b>Specific gravity:</b>                   | 1.1                         |
| <b>Vapor density:</b>                      | Not available.              |
| <b>Flash point:</b>                        | > 93 °C (> 199.4 °F)        |
| <b>Flammable/Explosive limits - lower:</b> | Not available.              |
| <b>Flammable/Explosive limits - upper:</b> | Not available.              |
| <b>Autoignition temperature:</b>           | Not available.              |

**Evaporation rate:** Not available.  
**Solubility in water:** Slight  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** 0.11 %; 1.06 g/l

## 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. Toxic fluorine compounds. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapours.  
**Incompatible materials:** Strong oxidizing agents.  
**Conditions to avoid:** Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

**Acute oral product toxicity:** LD50 (rat) > 5,000 mg/kg (Estimated)  
**Acute dermal product toxicity:** LD50 (rabbit) > 2,000 mg/kg (Estimated)  
**Toxicologically synergistic products:** Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

| Hazardous components              | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) | ACGIH Carcinogen |
|-----------------------------------|----------------|-----------------|--|------------------|
| Polyglycol dimethacrylate         | No             | No              | No                                       | No               |
| Cellulose ester                   | No             | No              | No                                       | No               |
| Ethene, tetrafluoro-, homopolymer | No             | No              | No                                       | No               |
| Titanium dioxide                  | No             | Group 2B        | No                                       | Group A4         |
| Treated fumed silica              | No             | No              | No                                       | No               |
| Saccharin                         | No             | No              | No                                       | No               |
| Cumene hydroperoxide              | No             | No              | No                                       | No               |
| Ethylene glycol                   | No             | No              | No                                       | Group A4         |
| Cumene                            | No             | Group 2B        | No                                       | No               |

| Hazardous components              | LD50s and LC50s   | Health Effects/Target Organs  |
|-----------------------------------|---|---|
| Polyglycol dimethacrylate         | None  | Allergen, Irritant  |
| Cellulose ester                   | None  | No Target Organs  |
| Ethene, tetrafluoro-, homopolymer | None  | No Target Organs  |
| Titanium dioxide                  | None  | Irritant, Respiratory, Some evidence of carcinogenicity   |
| Treated fumed silica              | None  | Irritant  |
| Saccharin                         | None  | No Target Organs  |
| Cumene hydroperoxide              | None  | Allergen, Central nervous system, Corrosive, Irritant, Mutagen                                      |
| Ethylene glycol                   | Oral LD50 (RAT) = 5.89 g/kg<br>Dermal LD50 (RABBIT) = 9,530 mg/kg                                     | Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic |
| Cumene                            | Oral LD50 (RAT) = 2.91 g/kg<br>Oral LD50 (RAT) = 1,400 mg/kg<br>Inhalation LC50 (RAT, 4 h) = 8000 ppm | Central nervous system, Irritant, Lung  |

## 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 shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk 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 or are exempt from listing on the Toxic Substances Control Act Inventory.

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections: 2,4,5,6,7,8,10**

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.**

**Prepared by:** Sheila Gines, Regulatory Affairs Specialist

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