



Revision Number: 003.0

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1. PRODUCT AND COMPANY IDENTIFICATION

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|-------------------------|---|-----------------------------|--|
| Product name: | LOCTITE® 565™ THREAD SEALANT PST® PIPE SEALANT WITH PTFE | IDH number: | 234442 |
| Product type: | Anaerobic Sealant | Item number: | 56566 |
| Company address: | Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067 | Region: | United States |
| | | Contact information: | Telephone: 860.571.5100 MEDICAL EMERGENCY Phone: Poison Control Center 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

| | | | |
|------------------------|---------------|-----------------------------|--------------------|
| Physical state: | Liquid, Paste | HEALTH: | *2 |
| Color: | White | FLAMMABILITY: | 1 |
| Odor: | Mild | PHYSICAL HAZARD: | 1 |
| | | Personal Protection: | See MSDS Section 8 |

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

Potential Health Effects

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| Inhalation: | May cause respiratory tract irritation. |
| Skin contact: | May cause allergic skin reaction. May cause skin irritation. |
| Eye contact: | Contact with eyes will cause irritation. |
| Ingestion: | Not expected to be harmful by ingestion. |

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

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

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| 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: | Remove contaminated clothing and footwear. Wash clothing before reuse. Wash with soap and water. If symptoms develop and persist, get medical attention. |
| Eye contact: | Get medical attention. Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. |
| Ingestion: | Keep individual calm. Do not induce vomiting. Get medical attention. |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Flash point: | > 93 °C (> 199.4 °F) |
| Autoignition temperature: | Not available. |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Extinguishing media: | Foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. 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.

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|-----------------------------------|---|
| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. |

7. HANDLING AND STORAGE

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| Handling: | Avoid contact with eyes, skin and clothing. |
|------------------|---|

Storage:

For safe storage, store at or below 38 °C (100.4 °F)
Keep in a cool, well ventilated area.

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 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 Total dust. 5 mg/m3 TWA Respirable fraction. |
| Titanium dioxide | 10 mg/m3 TWA | 15 mg/m3 TWA Total dust. | None | None |
| Treated fumed silica | 10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. | 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Saccharin | None | None | None | None |
| Cumene hydroperoxide | None | None | 1 ppm (6 mg/m3) TWA (SKIN) | None |
| Ethylene glycol | 100 mg/m3 Ceiling Aerosol. | None | None | None |
| Cumene | 50 ppm TWA | 50 ppm (245 mg/m3) TWA (SKIN) | None | None |

Engineering controls:

No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

Respiratory protection:

Use a NIOSH approved supplied air respirator with an organic cartridge if the potential to exceed established exposure limits exists.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene, Butyl-rubber, or nitrile-rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| 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: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). |

11. TOXICOLOGICAL INFORMATION

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|---------------------------------------|---|
| Acute oral product toxicity: | LD50 (rat) > 5,000 mg/kg (Estimated) |
| Acute dermal product toxicity: | LD50 (rabbit) > 2,000 mg/kg (Estimated) |

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-----------------------------------|----------------|-----------------|---|
| Polyglycol dimethacrylate | No | No | No |
| Cellulose ester | No | No | No |
| 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 |
| Ethylene glycol | No | No | No |
| Cumene | No | Group 2B | No |

| Hazardous components | Health Effects/Target Organs |
|-----------------------------------|---|
| Polyglycol dimethacrylate | Irritant, Allergen |
| Cellulose ester | No Target Organs |
| Ethene, tetrafluoro-, homopolymer | No Target Organs |
| Titanium dioxide | Irritant, Respiratory, Some evidence of carcinogenicity |
| Treated fumed silica | Irritant |
| Saccharin | No Target Organs |
| Cumene hydroperoxide | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |
| Ethylene glycol | Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic |
| Cumene | Central nervous system, Irritant, Lung |

12. ECOLOGICAL INFORMATION

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|--------------------------------|----------------|
| 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.

Hazardous waste number: Not a RCRA hazardous waste.

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.

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 minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus

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

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Cumene hydroperoxide (CAS# 80-15-9).

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.

WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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