



Revision Number: 007.0

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1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|-------------------------------|---|---------------------|---------------|
| Product name: | Loctite Polyseamseal 100% Silicone Sealant | IDH number: | 1508975 |
| Product type: | Silicone | Item number: | 1508975 |
| Restriction of Use: | None identified | Region: | United States |
| Company address: | Contact information: | | |
| Henkel Corporation | Telephone: +1 (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.
CAUSES SERIOUS EYE DAMAGE.

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

PICTOGRAM(S)



Precautionary Statements

| | |
|--------------------|---|
| Prevention: | Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face protection. |
| Response: | 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. If skin irritation occurs: Get medical attention. Take off contaminated clothing. |
| Storage: | Not prescribed |
| Disposal: | Not prescribed |

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

| Hazardous Component(s) | CAS Number | Percentage* |
|--|------------|-------------|
| Distillates (petroleum), hydrotreated middle | 64742-46-7 | 5 - 10 |
| Silicon dioxide | 7631-86-9 | 5 - 10 |
| Methylsilanetriyl triacetate | 4253-34-3 | 1 - 5 |

| | | |
|-----------------------|------------|---------|
| Triacetoxyethylsilane | 17689-77-9 | 1 - 5 |
| Titanium dioxide | 13463-67-7 | 1 - 5 |
| Acetic acid | 64-19-7 | 0.1 - 1 |

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

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: | Wipe off paste with paper towel or cloth. Wash with soap and water. If skin irritation persists, call a physician. |
| Eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist. |
| Ingestion: | Do not induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician. |
| Symptoms: | See Section 11. |
| Notes to physician: | Treat symptomatically. |

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| Extinguishing media: | Foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | None |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of carbon. Formaldehyde. Oxides of silicon. |

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: | Store in a partly filled, closed container until disposal. Spilled material will solidify. Scrape up as much material as possible. Maintain good ventilation for large spills. |

7. HANDLING AND STORAGE

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|------------------|---|
| Handling: | Avoid contact with eyes, skin and clothing. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation. |
| 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 |
|--|------------------------------------|---|-----------|-------------------------------------|
| Distillates (petroleum), hydrotreated middle | 5 mg/m3 TWA Inhalable fraction. | 5 mg/m3 PEL Mist. 100 ppm (400 mg/m3) PEL | None | None |
| Silicon dioxide | 6 mg/m3 TWA | 20 MPPCF TWA 0.8 mg/m3 TWA | None | 3 mg/m3 TWA Respirable fraction. |
| Methylsilanetriyl triacetate | None | None | None | None |
| Triacetoxethylsilane | None | None | None | None |
| Titanium dioxide | 10 mg/m3 TWA | 15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Acetic acid | 15 ppm STEL 10 ppm TWA | 10 ppm (25 mg/m3) PEL | None | None |

Engineering controls:

Ensure adequate ventilation, especially in confined areas. Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established 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.

Skin protection:

Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-----------------------------------|
| Physical state: | Paste |
| Color: | White |
| Odor: | Acetic acid |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | < 10 mm hg (68 °F (20°C)) |
| 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 °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 in water: | Polymerises in presence of water. |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 3 %; 30 g/l |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable under normal conditions of storage and use. |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Formaldehyde. Oxides of carbon. Oxides of silicon. Acetic acid is liberated slowly upon contact with moisture. |
| Incompatible materials: | Bases. Oxidizing agents. Water Acids. |
| Reactivity: | Not available. |
| Conditions to avoid: | Prolonged heating at temperatures above 150 °C. Exposure to moisture. |

11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects/Symptoms

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|----------------------|--|
| Inhalation: | 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. Acetic acid produced during cure may irritate eyes, nose and throat. |
| Skin contact: | Causes skin irritation. May cause allergic skin reaction. |
| Eye contact: | Causes serious eye irritation. |
| Ingestion: | May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|--|---|--|
| Distillates (petroleum), hydrotreated middle | None | Irritant |
| Silicon dioxide | Oral LD50 (Rat) = > 22,500 mg/kg Oral LD50 (Mouse) = > 15,000 mg/kg | Nuisance dust |
| Methylsilanetriyl triacetate | None | Irritant, Allergen |
| Triacetoxethylsilane | None | No Target Organs |
| Titanium dioxide | None | Irritant, Respiratory, Some evidence of carcinogenicity |
| Acetic acid | Oral LD50 (Rabbit) = 1,200 mg/kg Oral LD50 (Mouse) = 4,960 mg/kg Oral LD50 (Rat) = 3.53 g/kg Oral LD50 (Rat) = 3.31 g/kg Dermal LD50 (Rabbit) = 1,060 mg/kg Inhalation LC50 (Rat, 4 h) = 11.4 mg/l | Allergen, Corrosive, Eyes, Gastrointestinal, Immune system, Irritant, Kidney |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| Distillates (petroleum), hydrotreated middle | No | No | No |
| Silicon dioxide | No | No | No |
| Methylsilanetriyl triacetate | No | No | No |
| Triacetoxethylsilane | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Acetic acid | 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
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.

Canada Regulatory Information

CEPA DSL/NDSL 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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