

# Material Safety Data Sheet



Revision Number: 003.1

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** 266 Threadlocker High Strength  
**Product type:** Anaerobic Sealant

**IDH number:** 232331  
**Item number:** 26774  
**Region:** United States

**Company address:**  
Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

**Contact information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.henkelna.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Physical state:** Liquid  
**Color:** Red, orange  
**Odor:** Mild

### HMIS:

**HEALTH:** \*2  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See MSDS Section 8

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

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

### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction. May cause skin irritation with discomfort or rash.  
**Eye contact:** Contact with eyes will cause irritation.  
**Ingestion:** May be harmful if swallowed.

**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  | %       |
|--|-------------|---------|
| Silsesquioxanes, 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl Ph, polymers with silicic acid (H4SiO4) tetra-Et ester | 193486-90-7 | 30 - 60 |
| Maleimide resin  | 3006-93-7   | 10 - 30 |
| Hydroxyalkyl methacrylate  | 27813-02-1  | 5 - 10  |
| Silica, amorphous, treated   | 68909-20-6  | 5 - 10  |
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene)  | 24448-20-2  | 1 - 5   |
| Cumene hydroperoxide   | 80-15-9     | 1 - 5   |
| Polyglycol dimethacrylate  | 25852-47-5  | 1 - 5   |
| Saccharin  | 81-07-2     | 1 - 5   |
| 1-Acetyl-2-phenylhydrazine   | 114-83-0    | 0.1 - 1 |

#### 4. FIRST AID MEASURES

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention. |
| <b>Skin contact:</b> | Remove contaminated clothing and footwear. Wash with soap and water. Wash clothing before reuse. If symptoms develop and persist, get medical attention.          |
| <b>Eye contact:</b>  | Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.                |
| <b>Ingestion:</b>    | Do not induce vomiting. Keep individual calm. Get medical attention.  |

#### 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | > 93.3 °C (> 199.94 °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>                | 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. |
| <b>Unusual fire or explosion hazards:</b>  | None   |
| <b>Hazardous combustion products:</b>      | Oxides of carbon. Oxides of nitrogen. Formaldehyde. 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>          | 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

|                  |   |
|------------------|---|
| <b>Handling:</b> | Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.  |
| <b>Storage:</b>  | For safe storage, store at or below 38 °C (100.4 °F)<br>Keep in a cool, well ventilated area away from heat, sparks and open flame.<br>Keep container tightly closed until ready for use. |

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                   |
|--|---|-------------------------|---|-------------------------|
| Silsesquioxanes, 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl Ph, polymers with silicic acid (H <sub>4</sub> SiO <sub>4</sub> ) tetra-Et ester | None  | None                    | None  | None                    |
| Maleimide resin  | None  | None                    | None  | None                    |
| Hydroxyalkyl methacrylate  | None  | None                    | None  | 1 ppm TWA<br>3 ppm STEL |
| Silica, amorphous, treated   | 10 mg/m <sup>3</sup> TWA<br>Inhalable dust. | 6 mg/m <sup>3</sup> TWA | None  | None                    |
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene)  | None  | None                    | None  | None                    |
| Cumene hydroperoxide   | None  | None                    | 1 ppm (6 mg/m <sup>3</sup> )<br>TWA<br>(SKIN) | None                    |
| Polyglycol dimethacrylate  | None  | None                    | None  | None                    |
| Saccharin  | None  | None                    | None  | None                    |
| 1-Acetyl-2-phenylhydrazine   | None  | None                    | 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 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:**

Neoprene gloves. Use impermeable gloves and protective clothing as necessary to prevent skin contact. Butyl rubber gloves. Natural rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                             |
|---|-----------------------------|
| <b>Physical state:</b>                          | Liquid                      |
| <b>Color:</b>                                   | Red, orange                 |
| <b>Odor:</b>                                    | Mild                        |
| <b>Odor threshold:</b>                          | Not available               |
| <b>pH:</b>                                      | Not applicable              |
| <b>Vapor pressure:</b>                          | < 5 mm hg (80 °F (26.7 °C)) |
| <b>Boiling point/range:</b>                     | > 300 °F (> 148.9 °C) none  |
| <b>Melting point/ range:</b>                    | Not available               |
| <b>Specific gravity:</b>                        | 1.1937                      |
| <b>Vapor density:</b>                           | Not available               |
| <b>Flash point:</b>                             | > 93.3 °C (> 199.94 °F)     |
| <b>Flammable/Explosive limits - lower:</b>      | Not available               |
| <b>Flammable/Explosive limits - upper:</b>      | Not available               |
| <b>Autoignition temperature:</b>                | Not available               |
| <b>Evaporation rate:</b>                        | Not available               |
| <b>Solubility in water:</b>                     | Slight                      |
| <b>Partition coefficient (n-octanol/water):</b> | Not available               |
| <b>VOC content:</b>                             | 1.16 %; 11.08 g/l           |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable  |
| <b>Hazardous reactions:</b>              | Will not occur.   |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Formaldehyde. Irritating organic vapours. Oxides of nitrogen.                               |
| <b>Incompatible materials:</b>           | Strong acids and oxidizing agents. Amines. Sulfur. Strong alkalis. Reducing agents. Peroxides. Azo-compounds. |
| <b>Conditions to avoid:</b>              | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).                                    |

## 11. TOXICOLOGICAL INFORMATION

**Acute oral product toxicity:** LD50 (rat) > 10,000 mg/kg

**Acute dermal product toxicity:** LD50 (rabbit) > 5,000 mg/kg

| Hazardous components   | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|--|----------------|-----------------|---|
| Silsesquioxanes, 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl Ph, polymers with silicic acid (H4SiO4) tetra-Et ester | No             | No              | No  |
| Maleimide resin  | No             | No              | No  |
| Hydroxyalkyl methacrylate  | No             | No              | No  |
| Silica, amorphous, treated   | No             | No              | No  |
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene)  | No             | No              | No  |
| Cumene hydroperoxide   | No             | No              | No  |
| Polyglycol dimethacrylate  | No             | No              | No  |
| Saccharin  | No             | No              | No  |
| 1-Acetyl-2-phenylhydrazine   | No             | No              | No  |

| Hazardous components   | Health Effects/Target Organs                                       |
|--|--|
| Silsesquioxanes, 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl Ph, polymers with silicic acid (H4SiO4) tetra-Et ester | Allergen, Irritant   |
| Maleimide resin  | No Target Organs   |
| Hydroxyalkyl methacrylate  | Irritant, Allergen   |
| Silica, amorphous, treated   | No Target Organs   |
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene)  | Irritant, Allergen   |
| Cumene hydroperoxide   | Allergen, Central nervous system, Corrosive, Irritant, Mutagen     |
| Polyglycol dimethacrylate  | Irritant, Allergen   |
| Saccharin  | No Target Organs   |
| 1-Acetyl-2-phenylhydrazine   | Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Do not empty into drains / surface water / ground water.

## 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**

|  |   |
|--|---|
| <b>TSCA 8 (b) Inventory Status:</b>    | All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.   |
| <b>TSCA 12(b) Export Notification:</b> | None above reporting de minimus   |
| <b>CERCLA/SARA Section 302 EHS:</b>    | None above reporting de minimus   |
| <b>CERCLA/SARA Section 311/312:</b>    | Immediate Health, Delayed Health  |
| <b>CERCLA/SARA 313:</b>                | 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).<br>Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg)<br>Saccharin (CAS# 81-07-2) 100 lbs. (45.4 kg) |
| <b>CERCLA Reportable quantity:</b>     |   |
| <b>California Proposition 65:</b>      | 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**

|                              |   |
|------------------------------|---|
| <b>CEPA DSL/NDSL Status:</b> | Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details. |
| <b>WHMIS hazard class:</b>   | 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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