



Revision Number: 004.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: 266 Threadlocker High Strength
Product type: Anaerobic Sealant
Company address: Henkel Electronic Materials LLC
IDH number: 232329
Item number: 26773
Region: United States
Contact information: Telephone: 1.888.9.HENKEL (1.888.943.6535)
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
Color: Red, Orange
Odor: Mild
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
Ethene, tetrafluoro-, homopolymer	9002-84-0	1 - 5
Cumene hydroperoxide	80-15-9	1 - 5
Polyglycol dimethacrylate	25852-47-5	1 - 5
Saccharin	81-07-2	1 - 5
Cumene	98-82-8	0.1 - 1
1-Acetyl-2-phenylhydrazine	114-83-0	0.1 - 1

4. FIRST AID MEASURES

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

5. FIRE FIGHTING MEASURES

Flash point:	> 93.3 °C (> 199.94 °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 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.

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

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

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 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 (H4SiO4) tetra-Et ester	None	None	None	None
Maleimide resin	None	None	None	None
Hydroxyalkyl methacrylate	None	None	None	1 ppm TWA 3 ppm STEL
Silica, amorphous, treated	10 mg/m3 TWA Inhalable dust.	6 mg/m3 TWA	None	None
2-Propenoic acid, 2-methyl-, (1-methylethylidene)	None	None	None	None
Ethene, tetrafluoro-, homopolymer	None	None	None	10 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.
Cumene hydroperoxide	None	None	(SKIN) 1 ppm (6 mg/m3) TWA	None
Polyglycol dimethacrylate	None	None	None	None
Saccharin	None	None	None	None
Cumene	50 ppm TWA	50 ppm (245 mg/m3) TWA (SKIN)	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

Physical state:	Liquid
Color:	Red, Orange
Odor:	Mild
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	< 5 mm hg (80 °F (26.7 °C))
Boiling point/range:	> 300 °F (> 148.9 °C) None
Melting point/ range:	Not available.
Specific gravity:	1.1937
Vapor density:	Not available.
Flash point:	> 93.3 °C (> 199.94 °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: 1.16 %; 11.08 g/l

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous reactions: Will not occur.
Hazardous decomposition products: Oxides of carbon. Formaldehyde. Irritating organic vapours. Oxides of nitrogen.
Incompatible materials: Strong acids and oxidizing agents. Amines. Sulfur. Strong alkalis. Reducing agents. Peroxides. Azo-compounds.
Conditions to avoid: 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 (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
Ethene, tetrafluoro-, homopolymer	No	No	No
Cumene hydroperoxide	No	No	No
Polyglycol dimethacrylate	No	No	No
Saccharin	No	No	No
Cumene	No	Group 2B	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
Ethene, tetrafluoro-, homopolymer	No Target Organs
Cumene hydroperoxide	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Polyglycol dimethacrylate	Irritant, Allergen
Saccharin	No Target Organs
Cumene	Central nervous system, Irritant, Lung
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

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 minimis
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/NDSL Status: 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.

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: 1, 3, 8, 11, 15

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