Material Safety Data Sheet

A Henkel Company

Revision Date: 03/26/2007 **Issue date:** 03/26/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: 246 Threadlocker Medium Strength
Product type: Anaerobic Sealant
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 29513 / IDH No. 196508
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Silsesquioxanes, 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl Ph, polymers with silicic acid (H4SiO4) tetra-Et ester 193486-90-7	30-60	None	None	None
Hexanedioic acid, polymer with 1,4-butanediol and 1,2-propanediol, dodeconate 68186-73-2	10-30	None	None	None
Hydroxyalkyl methacrylate 27813-02-1	5-10	None	None	1 ppm TWA; 3 ppm STEL
Maleimide Resin 3006-93-7	5-10	None	None	None
Aromatic dimethacrylate ester 24448-20-2	1-5	None	None	None
Silica, amorphous, treated 68909-20-6	1-5	10 mg/m^3 (Inhal)	20mppcf	6 mg/m^3
Poly(tetrafluoroethylene) 9002-84-0	1-5	None	None	AEL (DuPont): 10 mg/m^3, 8 Hr TWA, total dust; 5mg/m^3, 8 hr. TWA respirable dust
Cumene hydroperoxide 80-15-9	1-5	None	None	1 ppm (6 mg/m^3) Skin (WEEL), 1ppm, skin TWA, (WEEL)
Saccharin 81-07-2	1-5	None	None	None
1-Acetyl-2-phenylhydrazine 114-83-0	0.1-1	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Opaque Blue
Odor: Mild

HMIS:

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

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE HARMFUL IF SWALLOWED OR INHALED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	May cause respiratory tract irritation.
Skin contact:	May cause allergic skin reaction. Irritating to skin. 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.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
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. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93ºC (200ºF) Tagliabue closed cup
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 fire fighting 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. Irritating organic vapors. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
Storage:	For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limts.

Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.
Eye/face protection:	Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Opaque Blue
Odor:	Mild
Vapor pressure:	Less than 5 mm Hg at 27ºC (80ºF)
pH:	Not applicable
Boiling point/range:	Greater than 149ºC (300ºF)
Melting point/range:	Not available
Specific gravity:	1.147
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not available
VOC content:	2.1080%; 22.0 grams/liter

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Formaldehyde. Irritating organic vapors.
Incompatability:	Reducing agents. Strong alkalis. Amines. Peroxides. Azo-compounds. Strong acids and oxidizing agents. Free radical initiators.
Conditions to avoid:	See "Handling and Storage" (Section 7) and "Incompatabilty" (Section 10).

11. TOXICOLOGICAL INFORMATION

Product toxicity data:	Acute oral LD50 greater than 10, 000 mg/kg (rat). Acute dermal LD50 greater than 5000 mg/kg (rabbit).

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Silsesquioxanes, 3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl Ph, polymers with silicic acid (H4SiO4) tetra-Et ester 193486-90-7	No	No	No
Hexanedioic acid, polymer with 1,4-butanediol and 1,2-propanediol, dodeconate 68186-73-2	No	No	No
Hydroxyalkyl methacrylate 27813-02-1	No	No	No
Maleimide Resin 3006-93-7	No	No	No
Aromatic dimethacrylate ester 24448-20-2	No	No	No
Silica, amorphous, treated 68909-20-6	No	No	No
Poly(tetrafluoroethylene) 9002-84-0	No	No	No
Cumene hydroperoxide 80-15-9	No	No	No
Saccharin 81-07-2	No	No	No
1-Acetyl-2-phenylhydrazine 114-83-0	No	No	No

Literature Referenced Target Organ & Other Health Effects

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 193486-90-7	No data
Hexanedioic acid, polymer with 1,4-butanediol and 1,2-propanediol, dodeconate 68186-73-2	No data
Hydroxyalkyl methacrylate 27813-02-1	Allergen, Irritant
Maleimide Resin 3006-93-7	No Target Organs
Aromatic dimethacrylate ester 24448-20-2	Allergen, Irritant
Silica, amorphous, treated 68909-20-6	No Target Organs
Poly(tetrafluoroethylene) 9002-84-0	No Target Organs
Cumene hydroperoxide 80-15-9	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Saccharin 81-07-2	No Target Organs
1-Acetyl-2-phenylhydrazine 114-83-0	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None

International Air Transportation (ICAO/IATA):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None

WaterTransportation (IMO/IMDG):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None
Marine pollutant:	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.
CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
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 to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status:	One or more components are not listed on or exempt from listing on the Canadian Domestic Substances List or have not been fully investigated. Please contact Product Safety and Regulatory Affairs for more information.
WHMIS hazard class:	D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2, 15

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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