

MATERIAL SAFETY DATA SHEET
29 CFR 1910.1200 OSHA Hazard
Communication Rule Format
Chem-Tel 24 Hour Emergency # 1-800-255-3924

MINE SAFETY APPLIANCES COMPANY
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PRODUCT IDENTITY

LABEL IDENTITY - MSA P/N 26875 Sealant

A Material Safety Data Sheet for Loctite®271™, Threadlocker High Strength, as furnished by Loctite Henkel is attached

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and **EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** Users assume all risks in handling, using or storing this product.

Rev. 0, December 2008



Material Safety Data Sheet



Revision Date: 06/16/2008 **Issue date:** 06/16/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) 271(TM) Threadlocker High Strength **Item No. :** 27121 / IDH No. 135380

Product type: Anaerobic Sealant **Region:** United States

Company address:

Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

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

Polyglycol dimethacrylate

25852-47-5

60-100 None None None

Bisphenol A fumarate resin

39382-25-7

10-30 None None None

Saccharin

81-07-2

1-5 None None None

Cumene hydroperoxide

80-15-9

1-5 None None 1 ppm (6 mg/m³) Skin (WEEL)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid **HEALTH:** 2*

Color: Red **FLAMMABILITY:** 1

Odor: Mild **PHYSICAL HAZARD:** 1

Personal Protection: See Section 8

WARNING: CAUSES EYE IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION.

MAY CAUSE RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation.

Skin contact: May cause allergic skin reaction.

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.

See Section

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See Section 11 for additional toxicological information.

Item No. : 27121 / **IDH No.** 135380 **Product name:** Loctite(R) 271(TM) Threadlocker High Strength

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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 93°C (200°F) 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: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.

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 limits.

Respiratory protection: Use a NIOSH approved air purifying respirator with an organic vapor cartridge if the potential to exceed established exposure limits exists.

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.

Item No. : 27121 / IDH No. 135380 Product name: Loctite(R) 271(TM) Threadlocker High Strength

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: Red

Odor: Mild

Vapor pressure: Less than 5 mm Hg at 27°C (80°F)

pH: Not applicable

Boiling point/range: Greater than 149°C (300°F)

Melting point/range: Not available

Specific gravity: 1.10

Vapor density: Not available

Evaporation rate: Not available

Solubility in water: Slight

Partition coefficient (n-octanol/water): Not available

VOC content: 0.8177%; 7.8053 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors. Phenols.

Incompatibility: Strong oxidizers. Strong acids. Strong reducing agents. Copper. Iron. Rust.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute oral LD50 >5000mg/kg (rat)(estimated). Acute dermal LD50 greater than 2000 mg/kg (rabbit) (estimated).

Carcinogen Status

Hazardous components NTP Carcinogen IARC Carcinogen OSHA Carcinogen

Polyglycol dimethacrylate

25852-47-5

No No No

Bisphenol A fumarate resin

39382-25-7

No No No

Saccharin

81-07-2

No No No

Cumene hydroperoxide

80-15-9

No No No

Literature Referenced Target Organ & Other Health Effects

Hazardous components Health Effects/Target Organs

Polyglycol dimethacrylate

25852-47-5

Allergen, Irritant

Bisphenol A fumarate resin

39382-25-7

Allergen, Irritant

Saccharin

81-07-2

No Target Organs

Cumene hydroperoxide

80-15-9

Allergen, Central nervous system, Corrosive, Irritant, Mutagen

12. ECOLOGICAL INFORMATION

Ecological information: Not available

Item No. : 27121 / IDH No. 135380 Product name: Loctite(R) 271(TM) Threadlocker High Strength

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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 above reporting de minimus.

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.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

WHMIS hazard class: D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 8, 15

Prepared by: Regulatory Affairs

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be

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