



Revision Number: 004.1

Issue date: 07/08/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE® 574™ FLANGE SEALANT **IDH number:** 230649
Product type: Anaerobic Sealant **Item number:** 24018
Region: United States
Company address: **Contact information:**
 Henkel Corporation Telephone: 860.571.5100
 One Henkel Way Emergency telephone: 860.571.5100
 Rocky Hill, Connecticut 06067 860.571.5100
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

| | | | |
|------------------------|--------|-----------------------------|--------------------|
| Physical state: | Paste | HMIS: | |
| Color: | Orange | HEALTH: | *2 |
| Odor: | Mild | FLAMMABILITY: | 1 |
| | | PHYSICAL HAZARD: | 1 |
| | | Personal Protection: | See MSDS Section 8 |

WARNING: CAUSES EYE IRRITATION.
 MAY CAUSE ALLERGIC SKIN REACTION.
 MAY CAUSE SKIN IRRITATION.
 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. May cause skin irritation.
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.

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 | % |
|--|-------------|---------|
| Polyglycol dimethacrylate | 25852-47-5 | 30 - 60 |
| Polyglycol dioctanoate | 18268-70-7 | 5 - 10 |
| Decan-1-ol | 112-30-1 | 5 - 10 |
| Silica, amorphous, fumed, crystal-free | 112945-52-5 | 1 - 5 |
| Rheological additive | Proprietary | 1 - 5 |
| 1-Acetyl-2-phenylhydrazine | 114-83-0 | 0.1 - 1 |

4. FIRST AID MEASURES

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: Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse.

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) Pensky Martens 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 firefighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. 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: Ventilate area. Do not allow product to enter sewer or waterways.

Clean-up methods: Scrape up spilled material and place in a closed container for disposal.

7. HANDLING AND STORAGE

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

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 |
|--|--|-------------------------------|-----------|-------|
| Polyglycol dimethacrylate | None | None | None | None |
| Polyglycol dioctanoate | None | None | None | None |
| Decan-1-ol | None | None | None | None |
| Silica, amorphous, fumed, crystal-free | 10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. | 20 MPPCF TWA 0.8 mg/m3 TWA | None | None |
| Rheological additive | 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: | Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical state: | Paste |
| Color: | Orange |
| Odor: | Mild |
| Odor threshold: | Not available |
| pH: | Not applicable |
| Vapor pressure: | < 5 mm hg (27 °C (80.6 °F)) |
| Boiling point/range: | > 149 °C (> 300.2 °F) |
| Melting point/ range: | Not available |
| Specific gravity: | 1.1518 |
| Vapor density: | Not available |
| Flash point: | > 93.3 °C (> 199.94 °F) Pinsky Martens closed cup |
| 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: | 0.6 %; 6.01 g/l |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Irritating organic vapours. |
| Incompatible materials: | Strong oxidizing agents. Reducing agents. Acids. Alkalis. Oxygen scavengers. |
| Conditions to avoid: | Heat, flames, sparks and other sources of ignition. See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------------------|---------------------------------------|
| Acute oral product toxicity: | LD50 (rat) > 10,000 mg/kg (Estimated) |
| Acute dermal product toxicity: | LD50 (rabbit) > 5,000 mg/kg |

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| Polyglycol dimethacrylate | No | No | No |
| Polyglycol dioctanoate | No | No | No |
| Decan-1-ol | No | No | No |
| Silica, amorphous, fumed, crystal-free | No | No | No |
| Rheological additive | No | No | No |
| 1-Acetyl-2-phenylhydrazine | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|--|--|
| Polyglycol dimethacrylate | Irritant, Allergen |
| Polyglycol dioctanoate | Irritant |
| Decan-1-ol | Irritant |
| Silica, amorphous, fumed, crystal-free | Nuisance dust |
| Rheological additive | No Data |
| 1-Acetyl-2-phenylhydrazine | 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: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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 minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA 313: None above reporting de minimus

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/NDL Status: All components are listed on or are exempt from listing on the Canadian 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: New Material Safety Data Sheet format.

Prepared by: Kyra Kozak Woods, Manager, 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 involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.