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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE 542 50 ML WPRO
Product type: Anaerobic Sealant
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Item No. : 40101 / IDH No. 697336
Region: United States
Contact Information:
Telephone: (860) 571-5100
Emergency telephone: (860) 571-5100
Internet: www.henkelna.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous components</u> | <u>%</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>OTHER</u> |
|---|----------|------------------|-----------------|--|
| Polyglycol dimethacrylate 25852-47-5 | 60-100 | None | None | None |
| Polyglycol dioctanoate 18268-70-7 | 10-30 | None | None | None |
| Polystyrene 9003-53-6 | 5-10 | 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/m ³) Skin (WEEL) |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Brown
Odor: Mild

HMIS:

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

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

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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: | 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. Irritating organic vapors. Oxides of sulfur. Oxides of nitrogen. |

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 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: | Brown |
| 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 applicable |
| Specific gravity: | 1.08 |
| Vapor density: | Not available |
| Evaporation rate: | Not available |
| Solubility in water: | Slight |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | 0.4462%; 4.82 grams/liter |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable. |
| Hazardous polymerization: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Irritating organic vapors. |
| Incompatibility: | Reducing agents. Strong acids and oxidizing agents. Strong alkalis. Oxygen scavengers. |
| Conditions to avoid: | Heat, flames and sparks. 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 >2000mg/kg (rabbit)(estimated).

Carcinogen Status

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|---|----------------|-----------------|-----------------|
| Polyglycol dimethacrylate 25852-47-5 | No | No | No |
| Polyglycol dioctanoate 18268-70-7 | No | No | No |
| Polystyrene 9003-53-6 | 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 |
| Polyglycol dioctanoate 18268-70-7 | Irritant |
| Polystyrene 9003-53-6 | No Target Organs |
| 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

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

Water Transportation (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.

Canada Regulatory Information

CEPA DSL/NDL Status: All other 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: 9, 15

Prepared by: Regulatory Affairs

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