



Revision Number: 005.0

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1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product name: 272 Threadlocker High Strength | IDH number: 88442 |
| Product use: Adhesive | Item number: 27240 |
| | Region: Canada |
| Company address: Henkel Canada Corporation 2515 Meadowpine Boulevard Mississauga, Ontario L5N 6C3 | Contact information: Telephone: 905.814.6511 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 | WHMIS hazard class: D.2.A, D.2.B |
| Color: Red | |
| Odor: Mild | |

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

Relevant routes of exposure: Skin, Lungs, Eyes

Potential Health Effects

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|----------------------|--|
| 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER | % |
|---|-------------|----------|
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene) | 24448-20-2 | 60 - 100 |
| Maleimide resin | 3006-93-7 | 10 - 30 |
| Hydroxyalkyl methacrylate | 27813-02-1 | 1 - 5 |
| Cumene hydroperoxide | 80-15-9 | 1 - 5 |
| Silica, amorphous, fumed, crystal-free | 112945-52-5 | 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 symptoms develop and persist, get medical attention.

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|----------------------|--|
| Skin contact: | Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Remove contaminated clothing and footwear. |
| Eye contact: | Get medical attention. Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. |
| Ingestion: | Get medical attention. Keep individual calm. Do not induce vomiting. |

5. FIRE FIGHTING MEASURES

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|--|---|
| Flash point: | > 93.3 °C (> 199.94 °F) Tagliabue closed cup |
| Autoignition temperature: | Not available. |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Extinguishing media: | If product is involved in fire extinguish with dry powder, foam or carbon dioxide. |
| Special firefighting procedures: | Wear self contained breathing apparatus. |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of nitrogen. Oxides of carbon. Thermal decomposition can lead to release of irritating gases and vapors. |
| Sensitivity to Mechanical Impact: | Not available. |
| Sensitivity to static discharge: | Not available. |

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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| 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

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|------------------|---|
| Handling: | Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. |
| Storage: | For safe storage, store at or below 38 °C (100.4 °F) |

For information on product shelf life contact Henkel Canada Customer Service at 800-263-5043.

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 |
|---|--|-------------------------------------|----------------------------------|-------------------------|
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene) | None | None | None | None |
| Maleimide resin | None | None | None | None |
| Hydroxyalkyl methacrylate | None | None | None | 1 ppm TWA 3 ppm STEL |
| Cumene hydroperoxide | None | None | 1 ppm (6 mg/m3) TWA (SKIN) | 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 |
| Cumene | 50 ppm TWA | 50 ppm (245 mg/m3) PEL (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:

Butyl rubber gloves. Use impermeable gloves and protective clothing as necessary to prevent skin contact. Natural rubber gloves. Neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|--|
| Physical state: | Liquid |
| Color: | Red |
| Odor: | Mild |
| Odor threshold: | Not available. |
| pH: | Not applicable |
| Vapor pressure: | Not available. |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.11 |
| Vapor density: | Not available. |
| Flash point: | > 93.3 °C (> 199.94 °F) Tagliabue 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: | 0.19 %; 2.08 g/l |

10. STABILITY AND REACTIVITY

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| Stability: | Stable under recommended storage conditions. |
| Hazardous reactions: | Hazardous polymerization may occur in the presence of excess peroxides and metals contamination. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. |
| Incompatible materials: | Reducing agents. Strong alkalis. Strong acids and oxidizing agents. Other polymerization initiators. |
| Conditions to avoid: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). High temperatures. |

11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity: LD50 (rat) > 10,000 mg/kg

Acute dermal product toxicity: LD50 (rabbit) > 1,500 mg/kg

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|----------------|-----------------|--|
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene) | No | No | No |
| Maleimide resin | No | No | No |
| Hydroxyalkyl methacrylate | No | No | No |
| Cumene hydroperoxide | No | No | No |
| Silica, amorphous, fumed, crystal-free | No | No | No |
| Cumene | No | Group 2B | No |
| 1-Acetyl-2-phenylhydrazine | No | No | No |

| Hazardous components | LD50s and LC50s | Health Effects/Target Organs |
|---|---|--|
| 2-Propenoic acid, 2-methyl-, (1-methylethylidene) | None | Irritant, Allergen |
| Maleimide resin | None | No Target Organs |
| Hydroxyalkyl methacrylate | None | Irritant, Allergen |
| Cumene hydroperoxide | None | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |
| Silica, amorphous, fumed, crystal-free | None | Nuisance dust |
| Cumene | Oral LD50 (RAT) = 2.91 g/kg Oral LD50 (RAT) = 1,400 mg/kg Inhalation LC50 (RAT, 4 h) = 8,000 mg/l | Central nervous system, Irritant, Lung |
| 1-Acetyl-2-phenylhydrazine | None | 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.

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.

Canada Transportation of Dangerous Goods - Ground

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

Canada Regulatory Information

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

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 7, 9 and 16

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

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