



Revision Date: 12/10/2004

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Loctite(R) 290 Threadlocker Wicking Grade  
**Product type:** Anaerobic Sealant  
**Company address:** Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item No. :** 29031  
**Region:** United States  
**Contact Information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.loctite.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<br>25852-47-5 | 60-100   | None             | None            | None                                     |
| Cumene hydroperoxide<br>80-15-9         | 1-5      | None             | None            | 1 ppm (6 mg/m <sup>3</sup> ) Skin (WEEL) |
| Saccharin<br>81-07-2                    | 1-5      | None             | None            | None                                     |

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### HMIS:

|                               |                             |               |
|-------------------------------|-----------------------------|---------------|
| <b>Physical state:</b> Liquid | <b>HEALTH:</b>              | 2*            |
| <b>Color:</b> Green           | <b>FLAMMABILITY:</b>        | 1             |
| <b>Odor:</b> Mild             | <b>PHYSICAL HAZARD:</b>     | 1             |
|                               | <b>Personal Protection:</b> | See Section 8 |

**WARNING:** MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE EYE, SKIN AND 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:** May cause irritation.  
**Ingestion:** Not expected to be harmful by ingestion.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

## 4. FIRST AID MEASURES

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Remove to fresh air. If symptoms develop and persist, get medical attention.   |
| <b>Skin contact:</b> | Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.             |
| <b>Eye contact:</b>  | Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention. |
| <b>Ingestion:</b>    | Do not induce vomiting. Keep individual calm. Obtain medical attention.  |

## 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | Greater than 93°C (200°F) Tagliabue closed cup   |
| <b>Autoignition temperature:</b>           | Not available  |
| <b>Flammable/Explosive limits-lower %:</b> | Not available  |
| <b>Flammable/Explosive limits-upper %:</b> | Not available  |
| <b>Extinguishing media:</b>                | Foam, dry chemical or carbon dioxide.  |
| <b>Special fire fighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b>  | None   |
| <b>Hazardous combustion products:</b>      | Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.           |

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

|                               |  |
|-------------------------------|--|
| <b>Handling:</b>              | Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.  |
| <b>Storage:</b>               | 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. |
| <b>Incompatible products:</b> | Refer to Section 10.   |

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                |   |
|--------------------------------|---|
| <b>Engineering controls:</b>   | Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits. |
| <b>Respiratory protection:</b> | Use NIOSH approved respirator if there is potential to exceed exposure limit(s).  |
| <b>Skin protection:</b>        | Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.         |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields.   |

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See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Physical state:</b>                          | Liquid                                 |
| <b>Color:</b>                                   | Green                                  |
| <b>Odor:</b>                                    | Mild                                   |
| <b>Vapor pressure:</b>                          | Less than 5 mm Hg at 27°C (80°F)       |
| <b>pH:</b>                                      | Not applicable                         |
| <b>Boiling point/range:</b>                     | Greater than 149°C (300°F)             |
| <b>Melting point/range:</b>                     | Not available                          |
| <b>Specific gravity:</b>                        | 1.07 at 26.7°C (80°F)                  |
| <b>Vapor density:</b>                           | Not available                          |
| <b>Evaporation rate:</b>                        | Not available                          |
| <b>Solubility in water:</b>                     | Slight                                 |
| <b>Partition coefficient (n-octanol/water):</b> | Not available                          |
| <b>VOC content:</b>                             | 12.6%; 135 grams/liter (EPA Method 24) |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable.   |
| <b>Hazardous polymerization:</b>         | Will not occur.   |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors. Phenols.                             |
| <b>Incompatibility:</b>                  | Copper. Iron. Rust. Aluminum. Zinc. Strong oxidizers. Strong acids. Oxygen scavengers. Reducing agents. Strong alkalis. |
| <b>Conditions to avoid:</b>              | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).  |

## 11. TOXICOLOGICAL INFORMATION

|                               |  |
|-------------------------------|--|
| <b>Product toxicity data:</b> | Acute LD50 (oral) :Greater than mg/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<br>25852-47-5 | No             | No              | No              |
| Cumene hydroperoxide<br>80-15-9         | No             | No              | No              |
| Saccharin<br>81-07-2                    | No             | No              | No              |

### Literature Referenced Target Organ & Other Health Effects

| Hazardous components                    | Health Effects/Target Organs                                   |
|---|--|
| Polyglycol dimethacrylate<br>25852-47-5 | Allergen, Irritant   |
| Cumene hydroperoxide<br>80-15-9         | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |
| Saccharin<br>81-07-2                    | No Target Organs   |

## 12. ECOLOGICAL INFORMATION

|                                |               |
|--------------------------------|---------------|
| <b>Ecological information:</b> | Not available |
|--------------------------------|---------------|

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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

**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 and birth defects or other reproductive harm.

**Canada Regulatory Information**

**CEPA DSL/NDSL 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: Expanded chemical information in Section 2 and related sections.

Prepared by: Kyra Kozak Woods, Health and Regulatory Affairs Specialist

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