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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                         |  |                             |   |
|-------------------------|--|-----------------------------|---|
| <b>Product name:</b>    | LOCTITE® GRADE H THREADLOCKER LOW STRENGTH PART NO. 07831                        | <b>Item No. :</b>           | 7831 / IDH No. 195894   |
| <b>Product type:</b>    | Anaerobic Sealant  | <b>Region:</b>              | United States   |
| <b>Company address:</b> | Henkel Corporation<br>1001 Trout Brook Crossing<br>Rocky Hill, Connecticut 06067 | <b>Contact Information:</b> | Telephone: 860.571.5100<br>Emergency telephone: 860.571.5100<br>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 | 30-60    | None             | None            | None                                     |
| Polyglycol dioctanoate<br>18268-70-7    | 30-60    | None             | None            | None                                     |
| Cumene hydroperoxide<br>80-15-9         | 1-5      | None             | None            | 1 ppm (6 mg/m <sup>3</sup> ) Skin (WEEL) |
| Tributylamine<br>102-82-9               | 1-5      | None             | None            | None                                     |

## 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

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | May cause respiratory tract irritation.  |
| <b>Skin contact:</b> | May cause allergic skin reaction. May cause skin irritation with discomfort or rash. |
| <b>Eye contact:</b>  | Contact with eyes will cause irritation.   |
| <b>Ingestion:</b>    | May be harmful if swallowed.   |

**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. 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>   | No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed 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.   |

**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 available                    |
| Specific gravity:                        | 1.026                            |
| Vapor density:                           | Not available                    |
| Evaporation rate:                        | Not available                    |
| Solubility in water:                     | Slight                           |
| Partition coefficient (n-octanol/water): | Not available                    |
| VOC content:                             | 0.6378%; 6.54 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<br>25852-47-5 | No             | No              | No              |
| Polyglycol dioctanoate<br>18268-70-7    | No             | No              | No              |
| Cumene hydroperoxide<br>80-15-9         | No             | No              | No              |
| Tributylamine<br>102-82-9               | No             | No              | No              |

### Literature Referenced Target Organ & Other Health Effects

| Hazardous components                    | Health Effects/Target Organs                                   |
|---|--|
| Polyglycol dimethacrylate<br>25852-47-5 | Allergen, Irritant   |
| Polyglycol dioctanoate<br>18268-70-7    | Irritant   |
| Cumene hydroperoxide<br>80-15-9         | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |
| Tributylamine<br>102-82-9               | Allergen, Central nervous system, Corrosive, Irritant          |

## 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:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List. Please contact Product Safety and Regulatory Affairs for more information.  
**WHMIS hazard class:** D.2.B

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2, 9, 15

**Prepared by:** Kyra Kozak Woods, Manager, Regulatory Affairs

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