



Revision Number: 006.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** LOCTITE IS RESINOL RTC KNOWN AS LOCTITE RTC  
**Product type:** Sealant  
**Restriction of Use:** None identified  
**Company address:** Henkel Corporation  
 Henkel Way One  
 Rocky Hill, Connecticut 06067

**IDH number:** 220647  
**Item number:** 18018  
**Region:** United States  
**Contact information:**  
 Telephone: +1 (860) 571-5100  
 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**

**WARNING:** CAUSES SKIN IRRITATION.  
 MAY CAUSE AN ALLERGIC SKIN REACTION.  
 CAUSES SERIOUS EYE IRRITATION.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN IRRITATION    | 2               |
| EYE IRRITATION     | 2A              |
| SKIN SENSITIZATION | 1               |

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

**Response:** IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Not prescribed

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Hazardous Component(s)    | CAS Number | Percentage* |
|---------------------------|------------|-------------|
| Polyglycol dimethacrylate | 109-16-0   | 70 - 80     |
| Lauryl methacrylate       | 142-90-5   | 5 - 10      |
| Hydroxyalkyl methacrylate | 27813-02-1 | 1 - 5       |
| Proprietary surfactant    | Unknown    | 1 - 5       |
| Tetradecyl methacrylate   | 2549-53-3  | 1 - 5       |
| Hexadecyl methacrylate    | 2495-27-4  | 1 - 5       |
| tert-Butyl hydroperoxide  | 75-91-2    | 0.1 - 1     |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### 4. FIRST AID MEASURES

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.   |
| <b>Skin contact:</b> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.  |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.  |
| <b>Symptoms:</b>     | See Section 11.  |

#### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.   |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.  |
| <b>Hazardous combustion products:</b>     | Oxides of carbon, oxides of nitrogen, irritating organic vapors.   |

#### 6. ACCIDENTAL RELEASE MEASURES

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

|                                   |   |
|-----------------------------------|---|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.   |
| <b>Clean-up methods:</b>          | Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. |

## 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8. |
| <b>Storage:</b>  | For safe storage, store at or below 38 °C (100.4 °F)<br>Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.      |

## 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 Component(s)    | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER                     |
|---------------------------|-----------|----------|-----------|---------------------------|
| Polyglycol dimethacrylate | None      | None     | None      | None                      |
| Lauryl methacrylate       | None      | None     | None      | 50 ppm                    |
| Hydroxyalkyl methacrylate | None      | None     | None      | 1 ppm TWA<br>3 ppm STEL   |
| Proprietary surfactant    | None      | None     | None      | None                      |
| Tetradecyl methacrylate   | None      | None     | None      | 50 ppm TWA<br>75 ppm STEL |
| Hexadecyl methacrylate    | None      | None     | None      | None                      |
| tert-Butyl hydroperoxide  | None      | None     | None      | None                      |

|                                |   |
|--------------------------------|---|
| <b>Engineering controls:</b>   | Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.   |
| <b>Respiratory protection:</b> | Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.  |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available. |
| <b>Skin protection:</b>        | Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Neoprene gloves.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| <b>Physical state:</b>                          | Liquid                                    |
| <b>Color:</b>                                   | White, Milky                              |
| <b>Odor:</b>                                    | Mild                                      |
| <b>Odor threshold:</b>                          | Not available.                            |
| <b>pH:</b>                                      | Not applicable                            |
| <b>Vapor pressure:</b>                          | < 5 mm hg (80 °F (26.7 °C))               |
| <b>Boiling point/range:</b>                     | > 300 °F (> 148.9 °C)None                 |
| <b>Melting point/ range:</b>                    | Not available.                            |
| <b>Specific gravity:</b>                        | 1   |
| <b>Vapor density:</b>                           | Not available.                            |
| <b>Flash point:</b>                             | > 93 °C (> 199.4 °F) Tagliabue closed cup |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                            |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                            |
| <b>Autoignition temperature:</b>                | Not available.                            |
| <b>Flammability:</b>                            | Not applicable                            |
| <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>                             | 1.35 %; 13.48 g/l                         |
| <b>Viscosity:</b>                               | Not available.                            |
| <b>Decomposition temperature:</b>               | Not available.                            |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.   |
| <b>Hazardous reactions:</b>              | Hazardous polymerization may occur if over-catalyzed or insufficiently aerated after catalyzation. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers. |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of nitrogen. Irritating vapors. Oxides of sulfur.   |
| <b>Incompatible materials:</b>           | Strong oxidizing agents.   |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.   |

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion

**Potential Health Effects/Symptoms**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Inhalation of vapors or mists of the product may be irritating to the respiratory system. |
| <b>Skin contact:</b> | Causes skin irritation. May cause allergic skin reaction.                                 |
| <b>Eye contact:</b>  | Causes serious eye irritation.  |
| <b>Ingestion:</b>    | May cause gastrointestinal tract irritation if swallowed.                                 |

| Hazardous Component(s)    | LD50s and LC50s  | Immediate and Delayed Health Effects |
|---------------------------|--|--------------------------------------|
| Polyglycol dimethacrylate | None   | Irritant, Allergen                   |
| Lauryl methacrylate       | Oral LD50 (Rat) = > 5.0 g/kg<br>Oral LD50 (Mouse) = > 87,250 mg/kg | Irritant, Allergen                   |
| Hydroxyalkyl methacrylate | None   | Irritant, Allergen                   |
| Proprietary surfactant    | None   | No Data                              |
| Tetradecyl methacrylate   | None   | Irritant, Allergen                   |
| Hexadecyl methacrylate    | None   | Irritant, Allergen                   |
| tert-Butyl hydroperoxide  | None   | Irritant, Corrosive                  |

| Hazardous Component(s)    | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---------------------------|----------------|-----------------|--|
| Polyglycol dimethacrylate | No             | No              | No                                       |
| Lauryl methacrylate       | No             | No              | No                                       |
| Hydroxyalkyl methacrylate | No             | No              | No                                       |
| Proprietary surfactant    | No             | No              | No                                       |
| Tetradecyl methacrylate   | No             | No              | No                                       |
| Hexadecyl methacrylate    | No             | No              | No                                       |
| tert-Butyl hydroperoxide  | No             | No              | No                                       |

## 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

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

#### 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 minimis  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Immediate Health  
**CERCLA/SARA Section 313:** None above reporting de minimis.  
**CERCLA Reportable quantity:** tert-Butyl hydroperoxide (CAS# 75-91-2) 100 lbs. (45.4 kg)  
**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer.

#### Canada Regulatory Information

**CEPA DSL/NDSL 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.

### 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

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