



Revision Number: 005.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

|                               |  |                     |               |
|-------------------------------|--|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE AA 330 A known as LOCTITE 330 DEPEND PT A</b> | <b>IDH number:</b>  | 1690217       |
| <b>Product type:</b>          | Acrylic Adhesive   | <b>Item number:</b> | 20251         |
| <b>Restriction of Use:</b>    | None identified  | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                              |                     |               |
| Henkel Corporation            | Telephone: (860) 571-5100                                |                     |               |
| One Henkel Way                | MEDICAL EMERGENCY Phone: Poison Control Center           |                     |               |
| Rocky Hill, Connecticut 06067 | 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**

**DANGER:** COMBUSTIBLE LIQUID.  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE DAMAGE.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| FLAMMABLE LIQUID   | 4               |
| SKIN IRRITATION    | 2               |
| SERIOUS EYE DAMAGE | 1               |
| SKIN SENSITIZATION | 1               |

**PICTOGRAM(S)**



**Precautionary Statements**

|                    |  |
|--------------------|--|
| <b>Prevention:</b> | Keep away from heat, sparks, open flames, hot surfaces - no smoking. Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.   |
| <b>Response:</b>   | IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. |
| <b>Storage:</b>    | Store in a well-ventilated place. Keep cool.   |
| <b>Disposal:</b>   | 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* |
|---------------------------------|-------------|-------------|
| Tetrahydrofurfuryl methacrylate | 2455-24-5   | 30 - 60     |
| Methacrylic acid                | 79-41-4     | 5 - 10      |
| Alkyl methacrylate              | Proprietary | 5 - 10      |
| Epoxy resin                     | Proprietary | 1 - 5       |
| Methacrylate monomer            | Proprietary | 1 - 5       |
| Talc                            | 14807-96-6  | 0.1 - 1     |
| Cumene hydroperoxide            | 80-15-9     | 0.1 - 1     |
| 1,1,2-Trichloroethane           | 79-00-5     | 0.1 - 1     |

\* Exact percentage is a 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 breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.                                      |
| <b>Skin contact:</b> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention. |
| <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.   |
| <b>Unusual fire or explosion hazards:</b> | Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers. In case of fire, keep containers cool with water spray. |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Irritating organic vapours.  |

### 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

**Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Refer to Section 8.

**Storage:** For safe storage, store at or below 38 °C (100.4 °F)  
Keep in a cool, well ventilated area away from heat, sparks and open flame.  
Keep container tightly closed until ready for use.

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

## 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  |
|---------------------------------|---|--|---|--------|
| Tetrahydrofurfuryl methacrylate | None  | None   | None  | None   |
| Methacrylic acid                | 20 ppm TWA                                      | None   | None  | None   |
| Alkyl methacrylate              | None  | None   | None  | None   |
| Epoxy resin                     | None  | None   | None  | None   |
| Methacrylate monomer            | None  | None   | None  | None   |
| Talc                            | 2 mg/m <sup>3</sup> TWA<br>Respirable fraction. | 20 MPPCF TWA<br>2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m <sup>3</sup> TWA<br>Respirable.<br>0.3 mg/m <sup>3</sup> TWA Total<br>dust. | None  | 50 ppm |
| Cumene hydroperoxide            | None  | None   | 1 ppm (6 mg/m <sup>3</sup> )<br>TWA<br>(SKIN) | None   |
| 1,1,2-Trichloroethane           | 10 ppm TWA<br>(SKIN)                            | 10 ppm (45 mg/m <sup>3</sup> )<br>PEL<br>(SKIN)  | None  | None   |

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below 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. 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.

**Skin protection:** Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Neoprene, Butyl-rubber, or nitrile-rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                              |                                       |
|------------------------------|---------------------------------------|
| <b>Physical state:</b>       | Liquid                                |
| <b>Color:</b>                | Amber                                 |
| <b>Odor:</b>                 | Sharp, Irritating                     |
| <b>Odor threshold:</b>       | Not available.                        |
| <b>pH:</b>                   | Not available.                        |
| <b>Vapor pressure:</b>       | < 10 mm hg (26.7 °C (80.1 °F))        |
| <b>Boiling point/range:</b>  | > 148.9 °C (> 300°F)                  |
| <b>Melting point/ range:</b> | Not available.                        |
| <b>Specific gravity:</b>     | 1.16                                  |
| <b>Vapor density:</b>        | Not available.                        |
| <b>Flash point:</b>          | 83 °C (181.4 °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>Evaporation rate:</b>                        | Not available.   |
| <b>Solubility in water:</b>                     | Slight           |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.   |
| <b>VOC content:</b>                             | 1.59 %; 18.4 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>              | None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.                  |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of sulfur. Toxic chlorides. Irritating organic vapours.  |
| <b>Incompatible materials:</b>           | Strong oxidizing agents. Strong reducing agents. Strong acids. Alkalis. Free radical initiators. Oxygen scavengers.                           |
| <b>Reactivity:</b>                       | Not available.  |
| <b>Conditions to avoid:</b>              | Keep away from heat, ignition sources and incompatible materials. Extremes of temperature and direct sunlight. UV light. Freezing conditions. |

## 11. TOXICOLOGICAL INFORMATION

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>Relevant routes of exposure:</b> | Skin, Inhalation, Eyes, Ingestion |
|-------------------------------------|-----------------------------------|

### Potential Health Effects/Symptoms

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause irritation to nose and throat.

**Skin contact:** Causes skin irritation. May cause allergic skin reaction.

**Eye contact:** Causes serious eye damage.

**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)          | LD50s and LC50s   | Immediate and Delayed Health Effects  |
|---------------------------------|---|---|
| Tetrahydrofurfuryl methacrylate | None  | Irritant, Allergen  |
| Methacrylic acid                | Oral LD50 (RABBIT) = 1,200 mg/kg<br>Oral LD50 (RAT) = 1,060 mg/kg<br>Oral LD50 (RAT) = 2,224 mg/kg<br>Dermal LD50 (RABBIT) = 500 mg/kg<br>Inhalation LC50 (RAT, 4 h) = 7.1 mg/l | Corrosive, Irritant, Allergen   |
| Alkyl methacrylate              | Oral LD50 (RAT) = > 2,000 mg/kg   | Irritant, Allergen  |
| Epoxy resin                     | None  | Allergen, Irritant  |
| Methacrylate monomer            | None  | Irritant, Allergen  |
| Talc                            | None  | Irritant, Lung, Some evidence of carcinogenicity  |
| Cumene hydroperoxide            | None  | Allergen, Central nervous system, Corrosive, Irritant, Mutagen  |
| 1,1,2-Trichloroethane           | Oral LD50 (RAT) = 835 mg/kg<br>Oral LD50 (RAT) = 100 - 200 mg/kg<br>Dermal LD50 (RABBIT) = 5,377 mg/kg  | Irritant, Central nervous system, Lung, Liver, Kidney, Immune system, Some evidence of carcinogenicity, Mutagen |

| Hazardous Component(s)          | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---------------------------------|----------------|-----------------|--|
| Tetrahydrofurfuryl methacrylate | No             | No              | No                                       |
| Methacrylic acid                | No             | No              | No                                       |
| Alkyl methacrylate              | No             | No              | No                                       |
| Epoxy resin                     | No             | No              | No                                       |
| Methacrylate monomer            | No             | No              | No                                       |
| Talc                            | No             | Group 2B        | No                                       |
| Cumene hydroperoxide            | No             | No              | No                                       |
| 1,1,2-Trichloroethane           | 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

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**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:** Fire, Immediate Health, Delayed Health

**CERCLA/SARA Section 313:** None above reporting de minimis

**CERCLA Reportable quantity:** Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg)

**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

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

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

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

**Prepared by:** Sheila Gines, Regulatory Affairs Specialist

**Issue date:** 07/31/2014

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