



Revision Number: 003.0

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** LOCTITE STYCAST EE 1067 known as HYSOL EE1067 GAL  
**Product type:** Epoxy resin  
**Restriction of Use:** None identified  
**Company address:** Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**IDH number:** 498126  
**Item number:** EE1067-B50  
**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.  
 SUSPECTED OF CAUSING GENETIC DEFECTS.  
 SUSPECTED OF CAUSING CANCER.

| HAZARD CLASS           | HAZARD CATEGORY |
|------------------------|-----------------|
| SKIN IRRITATION        | 2               |
| EYE IRRITATION         | 2A              |
| SKIN SENSITIZATION     | 1               |
| GERM CELL MUTAGENICITY | 2               |
| CARCINOGENICITY        | 2               |

### PICTOGRAM(S)



### Precautionary Statements

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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, clothing, eye 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 exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Store locked up.

**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* |
|--|------------|-------------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | 25068-38-6 | 30 - 40     |
| Aluminium hydroxide                                | 21645-51-2 | 5 - 10      |
| 2,3-epoxypropyl o-tolyl ether                      | 2210-79-9  | 5 - 10      |
| Talc   | 14807-96-6 | 5 - 10      |
| Antimony trioxide                                  | 1309-64-4  | 1 - 5       |
| 2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol   | 79-94-7    | 1 - 5       |
| Triethyl phosphate                                 | 78-40-0    | 1 - 5       |

\* 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. If symptoms develop and persist, get medical attention. Wash clothing 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. 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 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> | In case of fire, keep containers cool with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. |
| <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>          | Ensure adequate ventilation. Isolate area. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, saw dust). 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:** Keep away from heat, spark and flame. Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Refer to Section 8.

**Storage:** 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, please review labels on container or check the Technical Data Sheet.

## 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  |
|--|--|---|-------------------------------------|--------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None   | None  | None                                | None   |
| Aluminium hydroxide                                | 1 mg/m <sup>3</sup> TWA<br>Respirable fraction.<br>10 mg/m <sup>3</sup> TWA (as Al) Total dust.  | 15 mg/m <sup>3</sup> TWA (as Al) Total dust.<br>5 mg/m <sup>3</sup> TWA (as Al) Respirable fraction.<br>15 MPPCF TWA Respirable fraction.<br>15 mg/m <sup>3</sup> TWA Total dust.<br>5 mg/m <sup>3</sup> TWA Respirable fraction.<br>50 MPPCF TWA Total dust. | None                                | None   |
| 2,3-epoxypropyl o-tolyl ether                      | None   | None  | None                                | None   |
| Talc   | 2 mg/m <sup>3</sup> TWA<br>Respirable fraction.  | 0.1 mg/m <sup>3</sup> TWA Respirable.<br>2.4 MPPCF TWA Respirable.<br>20 MPPCF TWA  | None                                | 50 ppm |
| Antimony trioxide                                  | 0.5 mg/m <sup>3</sup> TWA (as Sb)<br>Included in the regulation but with no data values. See regulation for further details<br>Exposure by all routes should be carefully controlled to levels as low as possible. | 0.5 mg/m <sup>3</sup> PEL (as Sb)   | None                                | None   |
| 2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol   | None   | None  | None                                | None   |
| Triethyl phosphate                                 | None   | None  | 1 ppm (7.45 mg/m <sup>3</sup> ) TWA | 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| Physical state:                          | Liquid   |
| Color:                                   | Tan  |
| Odor:                                    | Aromatic   |
| Odor threshold:                          | Not available.   |
| pH:                                      | Not available.   |
| Vapor pressure:                          | 2.0 mm hg  |
| Boiling point/range:                     | Not available.   |
| Melting point/ range:                    | Not available.   |
| Specific gravity:                        | 1.6  |
| Vapor density:                           | 3.8 (Air = 1)  |
| Flash point:                             | 104.4 °C (219.92 °F) None  |
| Flammable/Explosive limits - lower:      | Not available.   |
| Flammable/Explosive limits - upper:      | Not available.   |
| Autoignition temperature:                | Not available.   |
| Flammability:                            | Not applicable   |
| Evaporation rate:                        | < 1.0  |
| Solubility in water:                     | Not miscible or difficult to mix                                   |
| Partition coefficient (n-octanol/water): | Not available.   |
| VOC content:                             | 0 %; 0 g/l (estimated value for resin and hardener mixed together) |
| Viscosity:                               | Not available.   |
| Decomposition temperature:               | Not available.   |

## 10. STABILITY AND REACTIVITY

|                                   |  |
|-----------------------------------|--|
| Stability:                        | Stable under normal conditions of storage and use.   |
| Hazardous reactions:              | None under normal processing.  |
| Hazardous decomposition products: | Oxides of carbon. Irritating organic vapours.  |
| Incompatible materials:           | Strong oxidizing agents. Strong acids and strong bases. Amines.  |
| Reactivity:                       | Not available.   |
| Conditions to avoid:              | Store away from incompatible materials. Heat, flames, sparks and other sources of ignition. High temperatures. |

## 11. TOXICOLOGICAL INFORMATION

|                              |                          |
|------------------------------|--------------------------|
| Relevant routes of exposure: | Eye contact, Lungs, Skin |
|------------------------------|--------------------------|

### Potential Health Effects/Symptoms

**Inhalation:** Harmful if inhaled. May cause respiratory tract irritation.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** May cause gastrointestinal tract irritation if sw allowed.

| Hazardous Component(s)                             | LD50s and LC50s   | Immediate and Delayed Health Effects  |
|--|---|---|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None  | Allergen, Irritant  |
| Aluminium hydroxide                                | Oral LD50 (Rat) = > 5,000 mg/kg   | Irritant, Lung, Respiratory   |
| 2,3-epoxypropyl o-tolyl ether                      | None  | Allergen, Blood, Bone Marrow, Immune system, Irritant, Reproductive   |
| Talc   | None  | Irritant, Lung, Some evidence of carcinogenicity  |
| Antimony trioxide                                  | Oral LD50 (Rat) = > 34,600 mg/kg<br>Oral LD50 (Rat) = > 20 g/kg   | Cardiac, Developmental, Eyes, Gastrointestinal, Irritant, Kidney, Liver, Lung, Mutagen, Nervous System, Reproductive, Sensory, Some evidence of carcinogenicity |
| 2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol   | Oral LD50 (Rat) = > 5 g/kg<br>Dermal LD50 (Rabbit) = > 2 g/kg   | Irritant, Reproductive, Allergen  |
| Triethyl phosphate                                 | Oral LD50 (Rabbit) = 1.6 g/kg<br>Oral LD50 (Rat) = 1.6 g/kg<br>Oral LD50 (Mouse) = > 1.5 g/kg<br>Dermal LD50 (Rabbit) = > 20 g/kg | Irritant, Central nervous system  |

| Hazardous Component(s)                             | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | No             | No              | No                                       |
| Aluminium hydroxide                                | No             | No              | No                                       |
| 2,3-epoxypropyl o-tolyl ether                      | No             | No              | No                                       |
| Talc   | No             | Group 2B        | No                                       |
| Antimony trioxide                                  | No             | Group 2B        | No                                       |
| 2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol   | No             | Group 2A        | No                                       |
| Triethyl phosphate                                 | 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:** Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. This product may contain traces of: D004: Arsenic D008: Lead

## 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)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

#### International Air Transportation (ICAO/IATA)

|                                  |   |
|----------------------------------|---|
| <b>Proper shipping name:</b>     | Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorhydrin resin, Cresyl glycidyl ether) |
| <b>Hazard class or division:</b> | 9   |
| <b>Identification number:</b>    | UN 3082   |
| <b>Packing group:</b>            | III   |

#### Water Transportation (IMO/IMDG)

|                                  |   |
|----------------------------------|---|
| <b>Proper shipping name:</b>     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epichlorhydrin resin, Cresyl glycidyl ether) |
| <b>Hazard class or division:</b> | 9   |
| <b>Identification number:</b>    | UN 3082   |
| <b>Packing group:</b>            | III   |
| <b>Marine pollutant:</b>         | Bisphenol-A Epichlorhydrin resin, Cresyl glycidyl ether   |

## 15. REGULATORY INFORMATION

### United States Regulatory Information

|   |   |
|---|---|
| <b>TSCA 8 (b) Inventory Status:</b>     | All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.   |
| <b>TSCA 12 (b) Export Notification:</b> | Tetrabromobisphenol A (CAS# 79-94-7).   |
| <b>CERCLA/SARA Section 302 EHS:</b>     | None above reporting de minimis.  |
| <b>CERCLA/SARA Section 311/312:</b>     | Immediate Health, Delayed Health  |
| <b>CERCLA/SARA Section 313:</b>         | 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). Antimony trioxide (CAS# 1309-64-4). 2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol (CAS# 79-94-7). |
| <b>CERCLA Reportable quantity:</b>      | Antimony trioxide (CAS# 1309-64-4) 1,000 lbs. (454 kg)<br>Arsenic (CAS# 7440-38-2) 1 lbs. (0.454 kg)  |
| <b>California Proposition 65:</b>       | 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

|                              |   |
|------------------------------|---|
| <b>CEPA DSL/NDSL Status:</b> | Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details. |
|------------------------------|---|

## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2,3,8,11,16

|                     |                                       |
|---------------------|---------------------------------------|
| <b>Prepared by:</b> | Product Safety and Regulatory Affairs |
|---------------------|---------------------------------------|

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