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**1. PRODUCT AND COMPANY IDENTIFICATION**

|                            |                                                                        |                             |                                                                                                                                                                                                                                                     |
|----------------------------|------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>       | <b>LOCTITE EA 0151 A RESIN known as<br/>LOCTITE 0151 3.3oz KIT PTA</b> | <b>IDH number:</b>          | 702159                                                                                                                                                                                                                                              |
| <b>Product type/use:</b>   | Epoxy resin                                                            | <b>Item number:</b>         | 83176_193035                                                                                                                                                                                                                                        |
| <b>Restriction of Use:</b> | None identified                                                        | <b>Region:</b>              | United States                                                                                                                                                                                                                                       |
| <b>Company address:</b>    | Henkel Corporation<br>One Henkel Way<br>Rocky Hill, Connecticut 06067  | <b>Contact information:</b> | Telephone: +1 (860) 571-5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**WARNING:** COMBUSTIBLE LIQUID.  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
SUSPECTED OF CAUSING GENETIC DEFECTS.  
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

| HAZARD CLASS           | HAZARD CATEGORY |
|------------------------|-----------------|
| FLAMMABLE LIQUID       | 4               |
| SKIN IRRITATION        | 2               |
| EYE IRRITATION         | 2A              |
| SKIN SENSITIZATION     | 1               |
| GERM CELL MUTAGENICITY | 2               |
| REPRODUCTIVE TOXICITY  | 2               |

**PICTOGRAM(S)**



**Precautionary Statements**

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention:</b> | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, hot surfaces - no smoking. 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.                                |
| <b>Response:</b>   | 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. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. |
| <b>Storage:</b>    | Store in a well-ventilated place. Keep cool. Store locked up.                                                                                                                                                                                                                                                                                                                                                                                 |
| <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* |
|----------------------------------------------------|-------------|-------------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | 25068-38-6  | 80 - 100    |
| Butyl 2,3-epoxypropyl ether                        | 2426-08-6   | 10 - 30     |
| Silica, amorphous, fumed, crystal-free             | 112945-52-5 | 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. 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 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> | 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 fragments. Acids. Aldehydes.                                                                                 |

### 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. |
|-----------------------------------|---------------------------------------------------|

**Clean-up methods:**

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. Clean residue with soap and water. 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. Keep container closed. Refer to Section 8.

**Storage:**

Store in original container until ready to use. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Store away from heat, sparks, flames, or other sources of ignition.

## 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  |
| Butyl 2,3-epoxypropyl ether                        | 3 ppm TWA (SKIN) (Dermal sensitization)                                                  | 50 ppm (270 mg/m <sup>3</sup> ) PEL       | None      | None  |
| Silica, amorphous, fumed, crystal-free             | 10 mg/m <sup>3</sup> TWA Inhalable dust.<br>3 mg/m <sup>3</sup> TWA Respirable fraction. | 20 MPPCF TWA<br>0.8 mg/m <sup>3</sup> TWA | None      | None  |

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:**

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**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

|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| <b>Physical state:</b>                     | Liquid, Paste                              |
| <b>Color:</b>                              | Milky, White                               |
| <b>Odor:</b>                               | None                                       |
| <b>Odor threshold:</b>                     | Not available.                             |
| <b>pH:</b>                                 | Not applicable                             |
| <b>Vapor pressure:</b>                     | 2 mm hg (20 °C (68°F))                     |
| <b>Boiling point/range:</b>                | 140 °C (284°F)                             |
| <b>Melting point/ range:</b>               | Not available.                             |
| <b>Specific gravity:</b>                   | 1.13                                       |
| <b>Vapor density:</b>                      | Not available.                             |
| <b>Flash point:</b>                        | 81 °C (177.8 °F) Pensky Martens 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                             |

**Evaporation rate:** Not available.  
**Solubility in water:** Not miscible or difficult to mix  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** 0.0 %; 0 g/l (value for resin and hardener together)  
**Viscosity:** Not available.  
**Decomposition temperature:** Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.  
**Hazardous reactions:** Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.  
**Hazardous decomposition products:** Oxides of carbon. Aldehydes. Acids. Irritating organic fragments.  
**Incompatible materials:** Strong acids. Strong bases. Strong oxidizing agents. Amines. Strong alkalis. Water.  
**Reactivity:** Not available.  
**Conditions to avoid:** Avoid temperatures above 38°C (100°F). Excessive heat. Store away from incompatible materials. Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system. Coughing. Shortness of breath.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction. Itching. Redness.  
**Eye contact:** Causes serious eye irritation. If left untreated, corneal damage can occur and injury is slow to heal.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)                             | LD50s and LC50s                                                                                                                    | Immediate and Delayed Health Effects                       |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None                                                                                                                               | Allergen, Irritant                                         |
| Butyl 2,3-epoxypropyl ether                        | Oral LD50 (Rat) = 2,000 mg/kg<br>Oral LD50 (Rat) = 2.05 g/kg<br>Oral LD50 (Mouse) = 1.53 g/kg<br>Dermal LD50 (Rabbit) = 0.788 g/kg | Irritant, Allergen, Central nervous system, Liver, Mutagen |
| Silica, amorphous, fumed, crystal-free             | None                                                                                                                               | Nuisance dust                                              |

| Hazardous Component(s)                             | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------------------------------|----------------|-----------------|------------------------------------------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | No             | No              | No                                       |
| Butyl 2,3-epoxypropyl ether                        | No             | No              | No                                       |
| Silica, amorphous, fumed, crystal-free             | 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:** Combustible liquid, n.o.s. (n-Butyl glycidyl ether)  
**Hazard class or division:** Combustible Liquid  
**Identification number:** NA 1993  
**Packing group:** III

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorhydrin resin)  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III

### Water Transportation (IMO/IMDG)

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epichlorhydrin resin)  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III  
**Marine pollutant:** Bisphenol-A Epichlorhydrin resin

## 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, Delayed Health, Fire

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

**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.

## 16. OTHER INFORMATION

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

**Prepared by:** Product Safety and Regulatory Affairs

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