



Revision Number: 008.0

Issue date: 05/14/2019

**1. PRODUCT AND COMPANY IDENTIFICATION**

|                               |   |                     |               |
|-------------------------------|---|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE EA E-60NC known as DB EPOXY Pot CMPD E-60NC 50ML</b> | <b>IDH number:</b>  | 701990        |
| <b>Product type/use:</b>      | Epoxy Hardener  | <b>Item number:</b> | 29324_209537  |
| <b>Restriction of Use:</b>    | None identified   | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                                     |                     |               |
| Henkel Corporation            | Telephone: +1 (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:** HARMFUL IF SWALLOWED.  
 TOXIC IN CONTACT WITH SKIN.  
 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
 MAY CAUSE AN ALLERGIC SKIN REACTION.  
 FATAL IF INHALED.  
 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

| HAZARD CLASS                                       | HAZARD CATEGORY |
|--|-----------------|
| ACUTE TOXICITY ORAL                                | 4               |
| ACUTE TOXICITY INHALATION                          | 2               |
| ACUTE TOXICITY DERMAL                              | 3               |
| SKIN CORROSION                                     | 1A              |
| SERIOUS EYE DAMAGE                                 | 1               |
| SKIN SENSITIZATION                                 | 1               |
| SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | 2               |

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Do not breathe vapors, mist, or spray. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection. [In case of inadequate ventilation] wear respiratory protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. 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* |
|--|------------|-------------|
| 4-Nonylphenol, branched                          | 84852-15-3 | 50 - 60     |
| 2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine) | 6864-37-5  | 30 - 40     |
| Benzyl alcohol                                   | 100-51-6   | 5 - 10      |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine     | 1760-24-3  | 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

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin contact:** 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.

**Eye contact:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**Symptoms:** See Section 11.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:** Burning produces obnoxious and toxic fumes. Personnel in vicinity and downwind should be evacuated. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen. Acids. Aldehydes. Ammonia. Ketones. Nitric acid. Toxic fumes. Irritating vapors.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Environmental precautions:** Do not allow product to enter sewer or waterways.

**Clean-up methods:** Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

## 7. HANDLING AND STORAGE

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

**Storage:** Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame.

## 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 |
|--|-----------|----------|---------------------------------------|-------|
| 4-Nonylphenol, branched                          | None      | None     | None                                  | None  |
| 2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine) | None      | None     | None                                  | None  |
| Benzyl alcohol                                   | None      | None     | 10 ppm (44.20 mg/m <sup>3</sup> ) TWA | None  |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine     | None      | None     | None                                  | None  |

**Engineering controls:** Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established 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.

**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:** Pale yellow  
**Odor:** Mild  
**Odor threshold:** Not available.  
**pH:** Not available.  
**Vapor pressure:** Not available.  
**Boiling point/range:** Not available.  
**Melting point/ range:** Not available.  
**Vapor density:** Not available.  
**Flash point:** > 93 °C (> 199.4 °F) Setaflash 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>                     | Not available.            |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.            |
| <b>VOC content:</b>                             | < 1 %; < 10 g/l Estimated |
| <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.  |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of nitrogen. Acids. Aldehydes. Ammonia. Ketones. Nitric acid. Toxic fumes. Irritating vapors.                                       |
| <b>Incompatible materials:</b>           | Organic acids. Mineral acids. Oxidizing agents. Peroxides. Sodium hypochlorite. This product slowly corrodes copper, aluminum, zinc and galvanized surfaces. |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | Keep away from heat, ignition sources and incompatible materials.  |

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Mists, vapors or liquid may cause severe irritation or burns. May be harmful or fatal if inhaled.  |
| <b>Skin contact:</b> | Causes skin burns. May cause allergic skin reaction. Toxic in contact with skin.   |
| <b>Eye contact:</b>  | Causes serious eye damage.   |
| <b>Ingestion:</b>    | May cause burns of mouth, throat and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness and collapse. Harmful if swallowed. |

| Hazardous Component(s)                           | LD50s and LC50s   | Immediate and Delayed Health Effects                  |
|--|---|---|
| 4-Nonylphenol, branched                          | None  | Irritant, Corrosive                                   |
| 2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine) | None  | Brain, Corrosive, Irritant, Liver, Lung, Muscle, Skin |
| Benzyl alcohol                                   | Oral LD50 (Rabbit) = 1,940 mg/kg<br>Oral LD50 (Rat) = 1,230 - 3,100 mg/kg<br>Oral LD50 (Mouse) = 1,580 mg/kg<br>Oral LD50 (Rat) = 3,100 mg/kg<br>Dermal LD50 (Rabbit) = 2,000 mg/kg | Allergen, Central nervous system, Corrosive, Irritant |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine     | None  | Irritant, Allergen                                    |

| Hazardous Component(s)                           | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| 4-Nonylphenol, branched                          | No             | No              | No                                       |
| 2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine) | No             | No              | No                                       |
| Benzyl alcohol                                   | No             | No              | No                                       |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine     | 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: Corrosive liquids, toxic, n.o.s. (cycloaliphatic amine, Nonylphenol)  
Hazard class or division: 8 (6.1)  
Identification number: UN 2922  
Packing group: II  
Marine pollutant: Nonylphenol

### International Air Transportation (ICAO/IATA)

Proper shipping name: Corrosive liquid, toxic, n.o.s. (cycloaliphatic amine, Nonylphenol)  
Hazard class or division: 8 (6.1)  
Identification number: UN 2922  
Packing group: II

### Water Transportation (IMO/IMDG)

Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (cycloaliphatic amine, Nonylphenol)  
Hazard class or division: 8 (6.1)  
Identification number: UN 2922  
Packing group: II  
Marine pollutant: Nonylphenol

## 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: Alkyl phenol (CAS# 84852-15-3).

CERCLA/SARA Section 302 EHS: None above reporting de minimis.  
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health  
CERCLA/SARA Section 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). 4-Nonylphenol, branched (CAS# 84852-15-3).

California Proposition 65: 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: 14

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

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