



Revision Number: 006.0

Issue date: 09/10/2018

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** LOCTITE CAT 15 BK  
**Product type:** Epoxy Hardener  
**Restriction of Use:** None identified  
**Company address:**  
 Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**IDH number:** 2569444  
**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

**DANGER:** CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
 MAY CAUSE AN ALLERGIC SKIN REACTION.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN CORROSION     | 1B              |
| SERIOUS EYE DAMAGE | 1               |
| 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, clothing, eye and face protection.

**Response:** 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. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

**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* |
|---|------------|-------------|
| C18 Fatty acid dimer, tall oil fatty acid, triethylenetetramine polymer | 68082-29-1 | 80 - 90     |
| Triethylenetetramine  | 112-24-3   | 5 - 10      |
| Terphenyl, hydrogenated   | 61788-32-7 | 5 - 10      |
| Terphenyl   | 26140-60-3 | 0.1 - 1     |
| Carbon black  | 1333-86-4  | 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. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. |
| <b>Eye contact:</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.   |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Get immediate 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.                                      |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Oxides of nitrogen. Ammonia. Toxic and 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.

|                                   |   |
|-----------------------------------|---|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.   |
| <b>Clean-up methods:</b>          | Remove all sources of ignition. Ensure adequate ventilation. Isolate area. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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. Refer to Section 8.
- Storage:** For safe storage, store between 18 °C (64.4 °F) and 25 °C (77°F) Store in original container until ready to use. 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 Technical Service at 1.888.9.HENKEL (1.888.943.6535).

## 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 |
|---|------------------------------------|----------------------------|----------------------------------|-------|
| C18 Fatty acid dimer, tall oil fatty acid, triethylenetetramine polymer | None                               | None                       | None                             | None  |
| Triethylenetetramine  | None                               | None                       | 1 ppm (6 mg/m3)<br>TWA<br>(SKIN) | None  |
| Terphenyl, hydrogenated   | 0.5 ppm TWA                        | 1 ppm (9 mg/m3)<br>Ceiling | None                             | None  |
| Terphenyl   | 5 mg/m3 Ceiling                    | 1 ppm (9 mg/m3)<br>Ceiling | None                             | None  |
| Carbon black  | 3 mg/m3 TWA<br>Inhalable fraction. | 3.5 mg/m3 PEL              | 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

- Physical state:** Liquid
- Color:** Black
- Odor:** Amine
- Odor threshold:** Not available.
- pH:** Not applicable
- Vapor pressure:** < 10.34 mbar (21.0 °C (69.8 °F))
- Boiling point/range:** > 176 °C (> 348.8 °F)
- Melting point/ range:** Not available.
- Specific gravity:** 0.96
- Vapor density:** Not available.
- Flash point:** > 170 °C (> 338°F) Closed cup
- Flammable/Explosive limits - lower:** Not available.
- Flammable/Explosive limits - upper:** Not available.
- Autoignition temperature:** Not available.
- Flammability:** Not applicable
- Evaporation rate:** Not available.
- Solubility in water:** Negligible
- Partition coefficient (n-octanol/water):** Not available.

VOC content: < 0.1 %  
 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. Polymerization may occur at elevated temperature or in the presence of incompatible materials.

**Hazardous decomposition products:** Oxides of carbon. Oxides of nitrogen. Ammonia. Irritating organic vapours.

**Incompatible materials:** Strong acids and oxidizing agents. Nitrous acid and other nitrosating agents. Sodium hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

**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:** May cause respiratory tract irritation.  
**Skin contact:** Causes skin burns. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye damage. Prolonged contact may cause severe irritation or corneal burns.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)  | LD50s and LC50s                 | Immediate and Delayed Health Effects                  |
|---|---------------------------------|---|
| C18 Fatty acid dimer, tall oil fatty acid, triethylenetetramine polymer | None                            | No Records  |
| Triethylenetetramine  | None                            | Allergen, Corrosive, Developmental, Irritant, Mutagen |
| Terphenyl, hydrogenated   | None                            | Allergen, Nervous System                              |
| Terphenyl   | None                            | Allergen, Nervous System, Irritant                    |
| Carbon black  | Oral LD50 (Rat) = > 8,000 mg/kg | Respiratory, Some evidence of carcinogenicity         |

| Hazardous Component(s)  | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|----------------|-----------------|--|
| C18 Fatty acid dimer, tall oil fatty acid, triethylenetetramine polymer | No             | No              | No                                       |
| Triethylenetetramine  | No             | No              | No                                       |
| Terphenyl, hydrogenated   | No             | No              | No                                       |
| Terphenyl   | No             | No              | No                                       |
| Carbon black  | No             | Group 2B        | 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:** This product, if discarded, may be characterized as a RCRA corrosive waste, D002. This product may contain traces of: D018: Benzene (Check TCLP Level).

## 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:** Triethylenetetramine  
**Hazard class or division:** 8  
**Identification number:** UN 2259  
**Packing group:** II

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Triethylenetetramine  
**Hazard class or division:** 8  
**Identification number:** UN 2259  
**Packing group:** II

### Water Transportation (IMO/IMDG)

**Proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Triethylenetetramine, C18 Fatty acid dimer, tall oil fatty acid, triethylenetetramine polymer)  
**Hazard class or division:** 8  
**Identification number:** UN 2735  
**Packing group:** II  
**Marine pollutant:** C18 Fatty acid dimer, tall oil fatty acid, triethylenetetramine polymer

## 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  
**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: 9,16

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

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