


**Revision Number:** 002.0

**Issue date:** 10/19/2023

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |  |                     |               |
|-------------------------------|--|---------------------|---------------|
| <b>Product name:</b>          | LOCTITE EA 9330.3 AERO PART B<br>80Z           | <b>IDH number:</b>  | 1053945       |
| <b>Product type/use:</b>      | Adhesive for the Aerospace Industry            | <b>Item number:</b> | AB9360015     |
| <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:** CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

| HAZARD CLASS          | HAZARD CATEGORY |
|-----------------------|-----------------|
| SKIN CORROSION        | 1               |
| SERIOUS EYE DAMAGE    | 1               |
| SKIN SENSITIZATION    | 1               |
| 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. Do not breathe dust or fumes. 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 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 exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. |
| <b>Storage:</b>    | 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* |
|--|-------------|-------------|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | 4246-51-9   | 60 - 80     |
| Epoxy resin                              | Proprietary | 10 - 30     |

IDH number: 1053945

|                                     |           |         |
|-------------------------------------|-----------|---------|
| Silicon dioxide                     | 7631-86-9 | 5 - 10  |
| 2-[2-(3-Aminopropoxy)ethoxy]ethanol | 112-33-4  | 1 - 5   |
| Glycerol                            | 56-81-5   | 0.1 - 1 |
| n-Butyl alcohol                     | 71-36-3   | 0.1 - 1 |
| Toluene                             | 108-88-3  | 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

|                            |  |
|----------------------------|--|
| <b>Inhalation:</b>         | If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.                                 |
| <b>Skin contact:</b>       | Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention. |
| <b>Eye contact:</b>        | Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.                                   |
| <b>Ingestion:</b>          | Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.           |
| <b>Symptoms:</b>           | See Section 11.  |
| <b>Notes to physician:</b> | Treat symptomatically and supportively.  |

## 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.   |
| <b>Special firefighting procedures:</b>   | Wear full protective clothing. Wear self-contained breathing apparatus.  |
| <b>Unusual fire or explosion hazards:</b> | May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.                             |
| <b>Hazardous combustion products:</b>     | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen. |

## 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> | Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways. |
| <b>Clean-up methods:</b>          | Scrape up spilled material and place in a closed container for disposal. Dispose of according to Federal, State and local governmental regulations.                         |

## 7. HANDLING AND STORAGE

|                  |  |
|------------------|--|
| <b>Handling:</b> | Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part B at temperatures greater than 100 °C (212 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Do not cut, grind, weld, or drill on or near this container. |
| <b>Storage:</b>  | Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.   |

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                               |
|--|---|--|-----------|-------------------------------------|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | None  | None   | None      | None                                |
| Epoxy resin                              | None  | None   | None      | None                                |
| Silicon dioxide                          | 3 mg/m3 TWA<br>Respirable particles.<br>10 mg/m3 TWA<br>Inhalable particles.<br>6 mg/m3 TWA | 15 MPPCF TWA<br>Respirable fraction.<br>50 MPPCF TWA<br>Total dust.<br>15 mg/m3 TWA Total<br>dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>20 MPPCF TWA<br>0.8 mg/m3 TWA | None      | 3 mg/m3 TWA<br>Respirable fraction. |
| 2-[2-(3-Aminopropoxy)ethoxy]ethanol      | None  | None   | None      | None                                |
| Glycerol                                 | None  | 5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL Total<br>dust.   | None      | None                                |
| n-Butyl alcohol                          | 20 ppm TWA  | 100 ppm (300<br>mg/m3) PEL   | None      | None                                |
| Toluene                                  | 20 ppm TWA  | 200 ppm TWA<br>300 ppm Ceiling<br>500 ppm MAX.<br>CONC 10 minutes  | None      | None                                |

**Engineering controls:**

Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

**Respiratory protection:**

When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

**Eye/face protection:**

Wear safety glasses; chemical goggles (if splashing is possible).

**Skin protection:**

Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| <b>Physical state:</b>                          | Solid   |
| <b>Color:</b>                                   | Colorless   |
| <b>Odor:</b>                                    | Ammonia   |
| <b>Odor threshold:</b>                          | Not available.  |
| <b>pH:</b>                                      | > 12  |
| <b>Vapor pressure:</b>                          | < 0.1 hPa (20 °C (68°F))  |
| <b>Boiling point/range:</b>                     | 150 °C (302°F)  |
| <b>Melting point/ range:</b>                    | < -40 °C (< -40°F)  |
| <b>Specific gravity:</b>                        | 1.07  |
| <b>Vapor density:</b>                           | Not applicable, Product is a solid.                                   |
| <b>Flash point:</b>                             | Not applicable  |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.  |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.  |
| <b>Autoignition temperature:</b>                | Not applicable  |
| <b>Flammability:</b>                            | The product is not flammable.   |
| <b>Evaporation rate:</b>                        | Not determined  |
| <b>Solubility in water:</b>                     | Soluble   |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.  |
| <b>VOC content:</b>                             | < 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated) |
| <b>Viscosity:</b>                               | Not available.  |
| <b>Decomposition temperature:</b>               | > 200 °C  |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable at normal conditions.  |
| <b>Hazardous reactions:</b>              | May occur.  |
| <b>Hazardous decomposition products:</b> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.  |
| <b>Incompatible materials:</b>           | Keep away from strong oxidizing agents, strong Lewis or mineral acids.  |
| <b>Reactivity:</b>                       | Not available.  |
| <b>Conditions to avoid:</b>              | Failure to observe these precautions may result in excessive heat build-up causing an exotherm. Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless curing surfaces to be bonded. |

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Can cause severe irritation and burns to the respiratory tract.  |
| <b>Skin contact:</b> | This product is severely irritating to the skin and may cause burns. This product may cause an allergic skin reaction. |
| <b>Eye contact:</b>  | This product is severely irritating to the eyes and may cause eye burns.   |
| <b>Ingestion:</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  |

| Hazardous Component(s)                   | LD50s and LC50s  | Immediate and Delayed Health Effects                                      |
|--|--|---|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | None   | Corrosive   |
| Epoxy resin                              | None   | No Data   |
| Silicon dioxide                          | Oral LD50 (Rat) = > 22,500 mg/kg<br>Oral LD50 (Mouse) = > 15,000 mg/kg<br>Inhalation LC50 (Rat, 4 h) = > 2.08 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 0.69 mg/l   | Nuisance dust   |
| 2-[2-(3-Aminopropoxy)ethoxy]ethanol      | None   | Irritant  |
| Glycerol                                 | None   | Irritant, Nuisance dust   |
| n-Butyl alcohol                          | Oral LD50 (Rat) = 790 mg/kg<br>Dermal LD50 (Rabbit) = 3,400 mg/kg  | Allergen, Central nervous system, Ear, Eyes, Irritant                     |
| Toluene                                  | Oral LD50 (Rat) = 2.6 g/kg<br>Dermal LD50 (Rabbit) = 12,124 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 12.5 - 28.8 mg/l<br>Inhalation LC50 (Rat, 4 h) = 25.7 mg/l<br>Inhalation LC50 (Rat, 4 h) = 28.1 mg/l<br>Inhalation LC50 (Rat, 4 h) = 30 mg/l | Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant |

| Hazardous Component(s)                   | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | No             | No              | No                                       |
| Epoxy resin                              | No             | No              | No                                       |
| Silicon dioxide                          | No             | No              | No                                       |
| 2-[2-(3-Aminopropoxy)ethoxy]ethanol      | No             | No              | No                                       |
| Glycerol                                 | No             | No              | No                                       |
| n-Butyl alcohol                          | No             | No              | No                                       |
| Toluene                                  | No             | No              | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Amines, solid, corrosive, n.o.s. (Diethylene glycol di-(3-aminopropyl) ether)  
**Hazard class or division:** 8  
**Identification number:** UN 3259  
**Packing group:** II

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Amines, solid, corrosive, n.o.s. (Diethylene glycol di-(3-aminopropyl) ether)  
**Hazard class or division:** 8  
**Identification number:** UN 3259  
**Packing group:** II

### Water Transportation (IMO/IMDG)

**Proper shipping name:** AMINES, SOLID, CORROSIVE, N.O.S. (Diethylene glycol di-(3-aminopropyl) ether)  
**Hazard class or division:** 8  
**Identification number:** UN 3259  
**Packing group:** II

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) 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 to the State of California to cause birth defects or other reproductive harm.

### Canada Regulatory Information

**CEPA DSL/NDSL 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: 2,3,8,11

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

**Issue date:** 10/19/2023

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

This Safety Data Sheet has been generated based on OSHA Hazard Communication Standard (29 CFR 1910.1200) and provides information in accordance with U.S. federal law only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.