


Revision Number: 004.0

Issue date: 02/22/2024

1. PRODUCT AND COMPANY IDENTIFICATION

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|-------------------------------|--|---------------------|---------------|
| Product name: | LOCTITE EA 9395 AERO PART A 25GR | IDH number: | 937097 |
| Product type/use: | Adhesive for the Aerospace Industry | Item number: | AA9294306 |
| Restriction of Use: | None identified | Region: | United States |
| Company address: | Contact information: | | |
| 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

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|----------------|---|
| DANGER: | CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE CANCER. |
|----------------|---|

| HAZARD CLASS | HAZARD CATEGORY |
|--|-----------------|
| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |
| SKIN SENSITIZATION | 1 |
| CARCINOGENICITY | 1A |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3 |

PICTOGRAM(S)


Precautionary Statements

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| Prevention: | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust or fumes. Wash affected area thoroughly after handling. 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. |
| Response: | IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. 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 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* |
|--|------------|-------------|
| Silica, amorphous, naturally | 60676-86-0 | 30 - 60 |
| Tetraglycidyl diaminodiphenylmethane | 28768-32-3 | 30 - 60 |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | 25068-38-6 | 10 - 30 |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, N, N'-(methylenedi-4,1) phenylene)bis[N-(oxiranylmethyl)O | | 5 - 10 |
| Cristobalite | 14464-46-1 | 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

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| Inhalation: | If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention. |
| Skin contact: | Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention. |
| Eye contact: | In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention. |
| Ingestion: | Do not induce vomiting. Get medical attention. |
| Symptoms: | See Section 11. |
| Notes to physician: | Treat symptomatically and supportively. |

5. FIRE FIGHTING MEASURES

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| Extinguishing media: | Water spray (fog), foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear full protective clothing. Wear self-contained breathing apparatus. |
| Unusual fire or explosion hazards: | May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses. |
| Hazardous combustion products: | 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.

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| Environmental precautions: | 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. |
| Clean-up methods: | 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

Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not breathe fumes or dust from this material. For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part A at temperatures greater than 80 °C (176 °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.

Storage:

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 |
|--|--|--|-----------|-------|
| Silica, amorphous, naturally | 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles. | 20 MPPCF TWA 0.8 mg/m3 TWA 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust. | None | None |
| Tetraglycidyl diaminodiphenylmethane | None | None | None | None |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None | None | None | None |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, N, N'-(methylenedi-4,1) phenylene)bis[N-(oxiranylmethyl)O | None | None | None | None |
| Cristobalite | 0.025 mg/m3 TWA Respirable fraction. | 1.2 MPPCF TWA Respirable. 0.05 mg/m3 TWA Respirable. 0.05 mg/m3 TWA (Respirable dust.) (Respirable dust.) 0.025 mg/m3 OSHA_ACT (Respirable dust.) 0.05 mg/m3 PEL Respirable dust. | 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:

Safety goggles or safety glasses with side shields.

Skin protection:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

solid, paste

Color:

blue

Odor:

Epoxy

Odor threshold:

Not available.

pH:

Not applicable, Product is non-soluble (in water).

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| Vapor pressure: | < 0.01 mm hg (20 °C (68°F)) |
| Boiling point/range: | > 200 °C (> 392°F) |
| Melting point/ range: | < -18 °C (< 0.4 °F) |
| Specific gravity: | 1.25 |
| Vapor density: | Not applicable, Product is a solid. |
| Flash point: | Not applicable |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not determined |
| Flammability: | The product is not flammable. |
| Evaporation rate: | Not determined |
| Solubility in water: | Insoluble |
| Solubility in water: | Partially miscible |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | < 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated) |
| Viscosity: | Not available. |
| Decomposition temperature: | > 200 °C |

10. STABILITY AND REACTIVITY

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| Stability: | Stable at normal conditions. |
| Hazardous reactions: | May occur. |
| Hazardous decomposition products: | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen. |
| Incompatible materials: | Keep away from strong oxidizing agents, strong Lewis or mineral acids. |
| Reactivity: | Not available. |
| Conditions to avoid: | 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. Failure to observe these precautions may result in excessive heat build-up causing an exotherm. The exotherm has the potential for release of toxic gasses. |

11. TOXICOLOGICAL INFORMATION

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| Relevant routes of exposure: | Skin, Inhalation, Eyes, Ingestion |
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Potential Health Effects/Symptoms

Inhalation: May cause respiratory tract irritation.
Skin contact: Causes skin irritation. This product may cause an allergic skin reaction.
Eye contact: Causes serious eye irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|---|---|---|
| Silica, amorphous, naturally | None | Nuisance dust |
| Tetraglycidyl diaminodiphenylmethane | Inhalation LC50 (Rat, 4 h) = > 30 mg/m3 | Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Mutagen, Nervous System |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None | Allergen, Irritant |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, N, N'-(methylenedi-4,1) phenylene)bis[N-(oxiranymethyl)O | None | No Data |
| Cristobalite | None | No Data |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|-------------------------------|-----------------|--|
| Silica, amorphous, naturally | No | No | No |
| Tetraglycidyl diaminodiphenylmethane | No | No | No |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | No | No | No |
| Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, N, N'-(methylenedi-4,1) phenylene)bis[N-(oxiranymethyl)O | No | No | No |
| Cristobalite | Known To Be Human Carcinogen. | Group 1 | Yes |

12. ECOLOGICAL INFORMATION

Ecological information: Harmful to aquatic organisms.

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: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorohydrin resin)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

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| Water Transportation (IMO/IMDG) Proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin) |
| Hazard class or division: | 9 |
| Identification number: | UN 3077 |
| Packing group: | III |
| Marine pollutant: | Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin |

15. REGULATORY INFORMATION

United States Regulatory Information

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| 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 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

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| CEPA DSL/NDL Status: | One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List. |
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16. OTHER INFORMATION

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

Prepared by: Product Safety and Regulatory Affairs

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