


Revision Number: 004.0

Issue date: 07/15/2022

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|--|-------------------------------|
| Product name: LOCTITE EA 9360 AERO PART A 50ML | IDH number: 937177 |
| Product type/use: Adhesive for the Aerospace Industry | Item number: AA9332328 |
| Restriction of Use: None identified | Region: United States |
| Company address: | |
| Henkel Corporation | |
| One Henkel Way | |
| Rocky Hill, Connecticut 06067 | |
| 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

| | |
|-----------------|---|
| WARNING: | CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. |
|-----------------|---|

| HAZARD CLASS | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |
| SKIN SENSITIZATION | 1 |

PICTOGRAM(S)


Precautionary Statements

| | |
|--------------------|--|
| Prevention: | Avoid breathing dust or fumes. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection. |
| Response: | 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 skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. |
| Storage: | Not prescribed |
| 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* |
|---|------------|-------------|
| 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | 1675-54-3 | 30 - 60 |
| Tetraglycidyl diaminodiphenylmethane | 28768-32-3 | 10 - 30 |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | 25068-38-6 | 10 - 30 |
| Glass, oxide, chemicals | 65997-17-3 | 5 - 10 |

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| | | |
|---|------------|-------|
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | 1 - 5 |
| Gamma-glycidoxypropyl trimethoxysilane | 2530-83-8 | 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

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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: | 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: | Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. |
| Symptoms: | See Section 11. |
| Notes to physician: | Treat symptomatically and supportively. |

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| 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.

| | |
|-----------------------------------|---|
| 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 skin and clothing. Wash thoroughly after handling. Do not breathe fumes or dust from this material. Do not take internally. For industrial use only. |
| Storage: | Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Product to be stored below 77° F. |

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 |
|---|--|--|-----------|-------|
| 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | None | None | None | None |
| Tetraglycidyl diaminodiphenylmethane | None | None | None | None |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None | None | None | None |
| Glass, oxide, chemicals | 5 mg/m3 TWA Inhalable fraction. 10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. | 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Siloxanes and Silicones, di-Me, reaction products with silica | 10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction. | 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Gamma-glycidoxypropyl trimethoxysilane | None | None | 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

| | |
|---|---|
| Physical state: | Solid |
| Color: | Cream |
| Odor: | Slight |
| Odor threshold: | Not available. |
| pH: | Neutral |
| Vapor pressure: | Nil |
| Boiling point/range: | Not applicable |
| Melting point/ range: | Not determined |
| Specific gravity: | 1.14 |
| Vapor density: | > 1 |
| Flash point: | > 93 °C (> 199.4 °F) |
| Flammable/Explosive limits - lower: | Not determined |
| Flammable/Explosive limits - upper: | Not determined |
| Autoignition temperature: | Not determined |
| Flammability: | The product is not flammable. |
| Evaporation rate: | Not determined |
| Solubility in water: | Negligible |
| Partition coefficient (n-octanol/water): | Not determined |
| 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. Avoid heating unless curing surfaces to be bonded. 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

Potential Health Effects/Symptoms

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|----------------------|---|
| Inhalation: | Inhalation of dust generated by this material may cause respiratory tract irritation. |
| Skin contact: | This product may cause irritation to the skin. May cause allergic skin reaction. |
| Eye contact: | This product may cause irritation to the eyes. |
| Ingestion: | Ingestion of this product may cause nausea, vomiting and diarrhea. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|---|---|---|
| 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | Oral LD50 (Rabbit) = 1,980 mg/kg Oral LD50 (Mouse) = 15,600 mg/kg Oral LD50 (Rat) = > 1,000 mg/kg Oral LD50 (Mouse) = > 500 mg/kg Dermal LD50 (Rabbit) = 20 mg/kg Dermal LD50 (Rat) = > 1,600 mg/kg Dermal LD50 (Mouse) = > 800 mg/kg | No Data |
| 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 |
| Glass, oxide, chemicals | None | Allergen, Respiratory |
| Siloxanes and Silicones, di-Me, reaction products with silica | None | No Data |
| Gamma-glycidoxypropyl trimethoxysilane | Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l | Allergen, Irritant |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|--|-----------------|--|
| 2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | No | No | No |
| Tetraglycidyl diaminodiphenylmethane | No | No | No |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | No | No | No |
| Glass, oxide, chemicals | Reasonably Anticipated to be a Human Carcinogen. | No | No |
| Siloxanes and Silicones, di-Me, reaction products with silica | No | No | No |
| Gamma-glycidoxypropyl trimethoxysilane | No | No | No |

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 package/configuration.

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. (Bisphenol-A Epichlorhydrin resin, Tetraglycidyl diaminodiphenylmethane)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Bisphenol-A Epichlorhydrin resin, Tetraglycidyl diaminodiphenylmethane)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III
Marine pollutant: Bisphenol-A Epichlorhydrin resin, Tetraglycidyl diaminodiphenylmethane
Exceptions: Classified per IMDG Amendment 34; Effective Jan 1, 2010.

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 in the State of California to cause cancer.

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: 2,3,8,11

Prepared by: Product Safety and Regulatory Affairs

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