


Revision Number: 002.0

Issue date: 02/21/2023

1. PRODUCT AND COMPANY IDENTIFICATION

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| Product name: LOCTITE EA 9820 12OZ AERO | IDH number: 2558823 |
| Product type/use: Potting Compound | Item number: AO9240061 |
| 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

| | |
|----------------|---|
| DANGER: | HARMFUL IF SWALLOWED OR IF INHALED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. |
|----------------|---|

| HAZARD CLASS | HAZARD CATEGORY |
|---------------------------|-----------------|
| ACUTE TOXICITY ORAL | 4 |
| ACUTE TOXICITY INHALATION | 4 |
| SKIN IRRITATION | 2 |
| SERIOUS EYE DAMAGE | 1 |
| RESPIRATORY SENSITIZATION | 1 |
| SKIN SENSITIZATION | 1 |

PICTOGRAM(S)


Precautionary Statements

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|--------------------|--|
| Prevention: | Avoid breathing dust or fumes. 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, eye protection, and face protection. In case of inadequate ventilation wear respiratory protection. |
| Response: | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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 skin irritation or rash occurs: Get medical attention. If experiencing respiratory symptoms: Call a poison center or physician. 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

IDH number: 2558823

Product name: LOCTITE EA 9820 12OZ AERO

| Hazardous Component(s) | CAS Number | Percentage* |
|---|-------------|-------------|
| Glass, oxide, chemicals | 65997-17-3 | 30 - 60 |
| 1,2,3,6-Tetrahydromethyl-3,6-methanophthalic anhydride | 25134-21-8 | 10 - 30 |
| Polyfunctional epoxy resin | Proprietary | 10 - 30 |
| Epoxy resin | Proprietary | 5 - 10 |
| Epoxy resin | Proprietary | 1 - 5 |
| Si-oxide amorphous | 112926-00-8 | 1 - 5 |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | 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. |
| 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.

| | |
|-----------------------------------|---|
| 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

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|------------------|---|
| Handling: | Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not breathe fumes or dust from this material. For industrial use only. |
| Storage: | Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. |

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 |
|---|--|--|-----------|-------|
| Glass, oxide, chemicals | 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 |
| 1,2,3,6-Tetrahydromethyl-3,6-methanophthalic anhydride | None | None | None | None |
| Polyfunctional epoxy resin | None | None | None | None |
| Epoxy resin | None | None | None | None |
| Epoxy resin | None | None | None | None |
| Si-oxide amorphous | 10 mg/m3 TWA Inhalable particles. 3 mg/m3 TWA Respirable particles. | 20 MPPCF TWA 0.8 mg/m3 TWA 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. | 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 |

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

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|---|--|
| Physical state: | Solid |
| Color: | Beige |
| Odor: | no valuation |
| Odor threshold: | Not available. |
| pH: | Not applicable, Product is non-soluble (in water). |
| Vapor pressure: | < 0.1 hPa (20 °C (68°F)) |
| Boiling point/range: | > 120 °C (> 248°F) |
| Melting point/ range: | < -7 °C (< 19.4 °F) |
| Specific gravity: | 0.87 |
| 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 applicable |
| Flammability: | The product is not flammable. |
| Evaporation rate: | Not applicable |
| Solubility in water: | Insoluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | Not applicable |
| 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: | This product may react with strong acids, bases and oxidizing agents. |
| Reactivity: | Not available. |
| Conditions to avoid: | Keep away from heat, ignition sources and incompatible materials. |

11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects/Symptoms

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|----------------------|---|
| Inhalation: | May cause an allergic respiratory reaction. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthma attack, could be immediate or delayed (up to several hours after exposure). |
| Skin contact: | Causes skin irritation. May cause an allergic skin reaction. |
| Eye contact: | Causes serious eye irritation. |
| Ingestion: | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|---|--|---|
| Glass, oxide, chemicals | None | Allergen, Respiratory |
| 1,2,3,6-Tetrahydromethyl-3,6-methanophthalic anhydride | Inhalation LC50 (Rat, 4 h) = < 0.75 mg/l | Allergen, Irritant, Respiratory |
| Polyfunctional epoxy resin | Inhalation LC50 (Rat, 4 h) = > 30 mg/m3 | Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Mutagen, Nervous System |
| Epoxy resin | None | Allergen, Irritant |
| Epoxy resin | None | Allergen, Irritant |
| Si-oxide amorphous | None | No Data |
| Siloxanes and Silicones, di-Me, reaction products with silica | None | No Data |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|----------------|-----------------|--|
| Glass, oxide, chemicals | No | No | No |
| 1,2,3,6-Tetrahydromethyl-3,6-methanophthalic anhydride | No | No | No |
| Polyfunctional epoxy resin | No | No | No |
| Epoxy resin | No | No | No |
| Epoxy resin | No | No | No |
| Si-oxide amorphous | No | No | No |
| Siloxanes and Silicones, di-Me, reaction products with silica | 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 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

Exceptions: Up to 5 gallons max per inner/primary package when shipped as originally packaged only

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Tetraglycidyl diaminodiphenylmethane, Epoxy resin)

Hazard class or division: 9
Identification number: UN 3077
Packing group: III

Exceptions: Up to 5 gallons max per inner/primary package when shipped as originally packaged only

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tetraglycidyl diaminodiphenylmethane, Epoxy resin)

Hazard class or division: 9
Identification number: UN 3077
Packing group: III

Marine pollutant: Tetraglycidyl diaminodiphenylmethane, Epoxy resin
Exceptions: Up to 5 gallons max per inner/primary package when shipped as originally packaged only

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: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL 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.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2,3,15

Prepared by: Product Safety and Regulatory Affairs

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