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Safety Data Sheet



Revision Number: 002.0

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1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product name: LOCTITE EA 9396.6MD AERO PART A GAL known as EA 9396.6MD PART A GALLON Product type: Adhesive for the Aerospace Industry Restriction of Use: None identified Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067 | IDH number: 937129 Item number: AA9304018 Region: United States Contact information: Telephone: (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. MAY CAUSE DROWSINESS OR DIZZINESS. |

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



Precautionary Statements

| | |
|--------------------|---|
| Prevention: | Avoid breathing dust or fumes. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves. |
| Response: | IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Call a poison control center or physician if you feel unwell. 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).

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See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s) | CAS Number | Percentage* |
|----------------------------|-------------|-------------|
| Polyfunctional epoxy resin | Proprietary | 30 - 60 |
| Epoxy resin | Proprietary | 10 - 30 |
| Glass, oxide, chemicals | 65997-17-3 | 10 - 30 |
| Silicon dioxide | 7631-86-9 | 1 - 5 |

* Exact percentage is a 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. 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 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 protective equipment. 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:** 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. For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Avoid contact with eyes, skin and clothing. Do not take internally.
- 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 |
|----------------------------|--|--|-----------|---|
| Polyfunctional epoxy resin | None | None | None | None |
| Epoxy resin | None | None | None | None |
| Glass, oxide, chemicals | 10 mg/m ³ TWA Inhalable dust. 3 mg/m ³ TWA Respirable fraction. | 15 mg/m ³ TWA Total dust. 5 mg/m ³ TWA Respirable fraction. | None | None |
| Silicon dioxide | 6 mg/m ³ TWA | 20 MPPCF TWA 0.8 mg/m ³ TWA | None | 3 mg/m ³ TWA Respirable fraction. |

- 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: | Paste |
| Color: | Blue |
| Odor: | Mild |
| Odor threshold: | Not available. |
| pH: | Neutral |
| Vapor pressure: | < 0.01 mm hg (20 °C (68°F)) |
| Boiling point/range: | Not determined |
| Melting point/ range: | Not determined |
| Specific gravity: | 0.55 |
| 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 |
| Evaporation rate: | Not determined |
| Solubility in water: | Not miscible or difficult to mix |
| 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: | Not available. |

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10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

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 or 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

Potential Health Effects/Symptoms

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 |
|----------------------------|----------------------------------|---|
| Polyfunctional epoxy resin | None | Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Mutagen, Nervous System |
| Epoxy resin | None | Allergen, Irritant |
| Glass, oxide, chemicals | None | Allergen, Respiratory |
| Silicon dioxide | Oral LD50 (RAT) = > 22,500 mg/kg | Nuisance dust |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------|----------------|-----------------|--|
| Polyfunctional epoxy resin | No | No | No |
| Epoxy resin | No | No | No |
| Glass, oxide, chemicals | No | No | No |
| Silicon dioxide | 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.

Hazardous waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

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

Water Transportation (IMO/MDG)

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

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: 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: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Regulatory Affairs Specialist
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