



Revision Date: 09/29/2008

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b> EA 9394 PART A 50G PUD.CUP <b>Product type:</b> Adhesive for the Aerospace Industry <b>Company address:</b> Henkel Corporation 2850 Willow Pass Road Bay Point, California 94565	<b>Kit Number:</b> AS9277000 <b>Item No. :</b> AA9277304 / IDH No. 937051 <b>Region:</b> United States <b>Contact Information:</b> Telephone: 925.458.8000 Fax : 925.458.8030. Emergency Telephone: 860.571.5100. Internet www.aerospace.henkel.us
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aluminum 7429-90-5	30-60	1 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total), 5 mg/m <sup>3</sup> ( respirable)	None
Polyfunctional epoxy resin Proprietary	30-60	None	None	None
Epoxy resin Proprietary	10-30	None	None	None
Modified epoxy resin UNKNOWN	5-10	None	None	None
Filler Proprietary	1-5	10mg/m <sup>3</sup> Inhalable fraction, 3mg/m <sup>3</sup> Respirable fraction, TWA	5mg/m <sup>3</sup> Respirable dust, 15mg/m <sup>3</sup> Total dust	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b> Liquid/paste <b>Color:</b> Grey <b>Odor:</b> Mild	<b>HMIS:</b> <b>HEALTH:</b> 2* <b>FLAMMABILITY:</b> 1 <b>PHYSICAL HAZARD:</b> 1 <b>Personal Protection:</b> See Section 8
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**WARNING:** CAUSES EYE IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE SKIN IRRITATION.

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

**Potential Health Effects**

<b>Inhalation:</b>	May cause irritation to nose and throat.
<b>Skin contact:</b>	Brief contact with the uncured adhesive may irritate the skin or cause a rash. Repeated or prolonged skin contact may result in allergic sensitization.
<b>Eye contact:</b>	Contact with eyes will cause irritation.
<b>Ingestion:</b>	Not a relevant route of exposure.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

**See Section 11 for additional toxicological information.**

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Remove contaminated clothing and shoes. Wash with soap and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
<b>Eye contact:</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Ingestion:</b>	Do not induce vomiting. Drink water as a precaution. Obtain medical attention.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 93°C (200°F) (estimated)
<b>Autoignition temperature:</b>	Not determined
<b>Flammable/Explosive limits-lower %:</b>	Not determined
<b>Flammable/Explosive limits-upper %:</b>	Not determined
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation.
<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>	Oxides of carbon. Oxides of nitrogen. Hydrocarbons.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Contain spill. Do not let product enter drains. Do not flush into surface water.
<b>Clean-up methods:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. 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.
<b>Storage:</b>	Keep in a cool, well ventilated area. Keep container closed.
<b>Incompatible products:</b>	Keep away from strong oxidizing agents, strong Lewis or mineral acids.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact.
<b>Eye/face protection:</b>	Safety glasses Goggles.

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See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid/paste
<b>Color:</b>	Grey
<b>Odor:</b>	Mild
<b>Vapor pressure:</b>	Nil
<b>pH:</b>	Neutral
<b>Boiling point/range:</b>	Not determined
<b>Melting point/range:</b>	Not determined
<b>Specific gravity:</b>	1.49
<b>Vapor density:</b>	Greater than 1
<b>Evaporation rate:</b>	Not determined
<b>Solubility in water:</b>	Negligible.
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	<10 g/l (estimate) per SCAQMD Rule 1124 [EPA Test Method 24/304-91]

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous polymerization:</b>	May occur.
<b>Hazardous decomposition products:</b>	Oxides of nitrogen. Oxides of carbon. Hydrocarbons.
<b>Incompatibility:</b>	Strong acids and oxidizing agents. Amines.
<b>Conditions to avoid:</b>	To avoid thermal decomposition, do not overheat.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Aluminum 7429-90-5	No	No	No
Polyfunctional epoxy resin Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Modified epoxy resin UNKNOWN	No	No	No
Filler Proprietary	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Aluminum 7429-90-5	Central nervous system, Irritant, Lung
Polyfunctional epoxy resin Proprietary	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System, Mutagen
Epoxy resin Proprietary	Allergen, Irritant
Modified epoxy resin UNKNOWN	No data
Filler Proprietary	Irritant

## 12. ECOLOGICAL INFORMATION

**Ecological information:** No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. DISPOSAL CONSIDERATIONS

**Information provided is for unused product only.**

**Recommended method of disposal:** Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product.

**EPA hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

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

<b>Proper shipping name:</b>	Not restricted
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### International Air Transportation (ICAO/IATA):

<b>Proper shipping name:</b>	Not restricted
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### Water Transportation (IMO/IMDG):

<b>Proper shipping name:</b>	Not restricted
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None
<b>Marine pollutant:</b>	Not applicable

## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 5 (a) (2) SNUR:</b>	None.
<b>TSCA 12 (b) Export Notification:</b>	None.

<b>CERCLA/SARA Section 302 EHS:</b>	None.
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health Hazard, Delayed Health Hazard
<b>CERCLA/SARA 313:</b>	None.

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer.

### Canada Regulatory Information

<b>CEPA DSL/NDSL Status:</b>	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.
<b>WHMIS hazard class:</b>	D.2.B

## 16. OTHER INFORMATION

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

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