



Revision Number: 002.1

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**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b> EA 9394/C-2 PART A 6 OZ SEMKIT	<b>IDH number:</b> 937143
<b>Product type:</b> Adhesive for the Aerospace Industry	<b>Item number:</b> AA9319312
	<b>Region:</b> United States
<b>Company address:</b> Henkel Corporation 2850 Willow Pass Road Bay Point, California 94565	<b>Contact information:</b> Telephone: 925.458.8000 Fax: 925.458.8030 Emergency telephone: 860.571.5100 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

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

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

**Potential Health Effects**

<b>Inhalation:</b>	May cause irritation to nose and throat.
<b>Skin contact:</b>	May cause allergic skin reaction. 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:** Skin disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Aluminum	7429-90-5	30 - 60
Polyfunctional epoxy resin	Proprietary	30 - 60
Epoxy resin	Proprietary	10 - 30
Modified epoxy resin	Unknown	5 - 10
Dimethyl siloxane, reaction product with silica	67762-90-7	1 - 5

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. If symptoms develop and persist, get medical attention.

<b>Skin contact:</b>	Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Check for and remove any contact lenses. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	> 200 °C (> 392°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 firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<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 and nitrogen, aldehydes, acids and undetermined organics.

## 6. ACCIDENTAL RELEASE MEASURES

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Ensure adequate ventilation. Scrape up as much material as possible. Store in a partly filled, closed container until disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid skin and eye contact. Do not breathe fumes or dust from this material.
<b>Storage:</b>	For safe storage, store at or below -18 °C (0.4 °F) Refrigerated storage is recommended to maintain product quality.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Aluminum	1 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA (as Al) Total dust. 5 mg/m3 TWA (as Al) Respirable dust.	None	None
Polyfunctional epoxy resin	None	None	None	None
Epoxy resin	None	None	None	None
Modified epoxy resin	None	None	None	None
Dimethyl siloxane, reaction product with silica	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	5 mg/m3 TWA Total dust. 15 mg/m3 TWA Respirable fraction.	None	None

<b>Engineering controls:</b>	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Color:</b>	Gray
<b>Odor:</b>	Slight
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Neutral
<b>Vapor pressure:</b>	Nil
<b>Boiling point/range:</b>	Not determined
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	1.49
<b>Vapor density:</b>	> 1
<b>Flash point:</b>	> 200 °C (> 392°F) ; Estimated
<b>Flammable/Explosive limits - lower:</b>	Not determined
<b>Flammable/Explosive limits - upper:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Solubility in water:</b>	Slight
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	< 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	May occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon and nitrogen, aldehydes, acids and undetermined organics.
<b>Incompatible materials:</b>	Keep away from strong oxidizing agents, strong Lewis or mineral acids.
<b>Conditions to avoid:</b>	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

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Aluminum	No	No	No
Polyfunctional epoxy resin	No	No	No
Epoxy resin	No	No	No
Modified epoxy resin	No	No	No
Dimethyl siloxane, reaction product with silica	No	No	No

Hazardous components	Health Effects/Target Organs
Aluminum	Central nervous system, Irritant, Lung
Polyfunctional epoxy resin	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Mutagen, Nervous System
Epoxy resin	Allergen, Irritant
Modified epoxy resin	No Data
Dimethyl siloxane, reaction product with silica	Irritant

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

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

### Water Transportation (IMO/IMDG)

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

## 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 minimus  
CERCLA/SARA Section 302 EHS: None above reporting de minimus  
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

**CERCLA/SARA 313:**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

**California Proposition 65:**

This product contains a chemical known in the State of California to cause cancer.

**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.

**WHMIS hazard class:**

D.2.B

**16. OTHER INFORMATION**

**This material safety data sheet contains changes from the previous version in sections:** New Material Safety Data Sheet format.

**Prepared by:** C.J. Michaels, Manager, Regulatory Affairs

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