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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: EA 9392 PART A 6 OZ SEMKIT	Kit Number: AS9328000
Product type: Adhesive for the Aerospace Industry	Item No. : AA9328312 / IDH No. 1079882
Company address: Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	Region: United States
	Contact Information: Telephone: (860) 571-5100 Emergency telephone: (860) 571-5100 Internet: www.henkeln.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Oxiranemethanamine N,N'-(methylenedi-4,1-phenylene)bis(N-oxiranylmethyl) 28768-32-3	30-60	None	None	None
Aluminum 7429-90-5	10-30	10 mg/m ³ TWA metal dust 5 mg/m ³ TWA as Al	15 mg/m ³ TWA (total), 5 mg/m ³ (respirable)	None
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	10-30	None	None	None
Treated fumed silica 67762-90-7	1-5	10mg/m ³ Inhalable fraction, 3mg/m ³ Respirable fraction, TWA	5mg/m ³ Respirable dust, 15mg/m ³ Total dust	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste	HEALTH: 1
Color: Grey	FLAMMABILITY: 1
Odor: Slight	PHYSICAL HAZARD: 1
	Personal Protection: See Section 8

CAUTION: CAUSES EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.

Relevant routes of exposure: Skin, Eyes, Inhalation

Potential Health Effects

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

Existing conditions aggravated by exposure: Determining whether product ingredients will aggravate a pre-existing medical condition requires case-by-case consideration of the exposed workers' medical condition and the nature of the exposures expected to occur in the specific workplace where the worker will be employed.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Remove contaminated clothing and shoes. Wash with soap and water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	Drink water as a precaution. Get medical attention if symptoms develop and persist.
Notes to physician:	Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Flash point:	Decomposes before flashing.
Autoignition temperature:	Not determined
Flammable/Explosive limits-lower %:	Not determined
Flammable/Explosive limits-upper %:	Not determined
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	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.
Unusual fire or explosion hazards:	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
Hazardous combustion products:	Oxides of carbon and nitrogen, aldehydes, acids and undetermined organics.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	No information available
Clean-up methods:	Scrape up as much material as possible. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	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.
Storage:	Refrigerated storage is recommended to maintain product quality. This product may be stored at -18°C (0°F) for up to 12 months.
Incompatible products:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
Respiratory protection:	When workplace hazards warrant the use of a respirator, appropriate respirators must be used, and a program that follows 29 CFR 1910.134 must be followed.
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Eye/face protection:

Wear appropriate goggles, face shields or other PPE which will be effective under the circumstances if the possibility of contact exists. A program meeting 29 CFR 1910.133 requirements must be followed when PPE is necessary.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Paste
Color:	Grey
Odor:	Slight
Vapor pressure:	Nil
pH:	Neutral
Boiling point/range:	Not determined
Melting point/range:	Not determined
Specific gravity:	1.36
Vapor density:	Greater than 1
Evaporation rate:	Not determined
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not determined
VOC content:	<10 g/l (estimate) per SCAQMD Rule 1124 [EPA Test Method 24/304-91]

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	May occur.
Hazardous decomposition products:	Oxides of carbon and nitrogen, aldehydes, acids and undetermined organics.
Incompatibility:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.
Conditions to avoid:	Avoid mixing resin (Part A) and curing agent (Part B) in batches greater than 1 pound(s) (.454 kg) 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. The exotherm has the potential for release of toxic gasses.

11. TOXICOLOGICAL INFORMATION

Product toxicity data:	Loctite is not aware of any toxicity data on the specific mixture of chemical components contained in this product.
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Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N- (oxiranylmethyl) 28768-32-3	No	No	No
Aluminum 7429-90-5	No	No	No
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	No	No	No
Treated fumed silica 67762-90-7	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Oxiranemethanamine N,N' - (methylenedi-4,1-phenylene)bis(N-(oxiranylmethyl) 28768-32-3	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System
Aluminum 7429-90-5	Central nervous system, Irritant, Lung
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	Allergen, Irritant
Treated fumed silica 67762-90-7	No Target Organs

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. Postal System:

This material is allowed to be sent through the U.S. Postal system.

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

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

International Air Transportation (ICAO/IATA):

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

Water Transportation (IMO/IMDG):

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

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 5 (a) (2) SNUR:	None.
TSCA 12 (b) Export Notification:	None.
CERCLA/SARA Section 302 EHS:	None.
CERCLA/SARA Section 311/312:	None.
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). Aluminum (CAS# 7429-90-5) . This information must be included in all MSDS's that are copied and distributed for this material. .
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the 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: 1,16

Prepared by: Regulatory Affairs

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