# **Safety Data Sheet**



Revision Number: 002.2

Issue date: 04/25/2017

## **1. PRODUCT AND COMPANY IDENTIFICATION**

Product name:

Product type:

Restriction of Use:

Company address:

Rocky Hill, Connecticut 06067

Henkel Corporation

One Henkel Way

LOCTITE EA 9321 AERO PART A 25GR KIT known as EA 9321 PART A 25G E-Z PAK Adhesive for the Aerospace Industry None identified

**IDH number:** 

1062938

Item number: AA9362306 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:	HARMFUL IF SWALLOWED.
	CAUSES SKIN IRRITATION.
	MAY CAUSE AN ALLERGIC SKIN REACTION.
	CAUSES SERIOUS EYE IRRITATION.
	MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	4
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

PICTOGRAM(S)
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#### **Precautionary Statements**

Prevention:	Avoid breathing vapors, mist, or spray. 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.
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 eye irritation persists
	Get medical attention. Take off contaminated clothing.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
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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

Hazardous Component(s)	CAS Number	Percentage*	
Triglycidyl-p-aminophenol	5026-74-4	40 - 50	
Aluminum	7429-90-5	20 - 30	
Formaldehyde, polymer with epichlorohydrin and o-cresol	29690-82-2	20 - 30	
Phenol polymer with formaldehyde, glycidyl ether	28064-14-4	5 - 10	
Silica, amorphous, fumed, crystal-free	112945-52-5	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		
Inhalation:	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.	
Skin contact:	Remove contaminated clothing and footwear. 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:	Do not induce vomiting. If symptoms develop and persist, get medical attention.	
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 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:** 

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

#### 7. HANDLING AND STORAGE

Handling:

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. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.

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
Triglycidyl-p-aminophenol	None	None	None	None
Aluminum	1 mg/m3 TWA Respirable fraction.	15 mg/m3 PEL (as Al) Total dust. 5 mg/m3 PEL (as Al) Respirable fraction. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Formaldehyde, polymer with epichlorohydrin and o-cresol	None	None	None	None
Phenol polymer with formaldehyde, glycidyl ether	None	None	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m3 TWA	None	None

Engineering controls:	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
Respiratory protection:	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA 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: Color: Odor: Odor threshold: pH: Vapor pressure: Liquid Gray mild Not available. Neutral Not applicable

Product name: LOCTITE EA 9321 AERO PART A 25GR KIT known as EA 9321 PART A 25G E-Z PAK Page 3 of 6

# **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:	Strong acids and oxidizing agents. Amines.
Reactivity:	Not available.
Conditions to avoid:	To avoid thermal decomposition, do not overheat.

# **11. TOXICOLOGICAL INFORMATION**

Relevant routes of exposure:

Skin, Inhalation, Eyes

#### Potential Health Effects/Symptoms

Inhalation:	May cause respiratory tract irritation.
Skin contact:	This product may cause irritation to the skin. This product may cause an allergic skin reaction.
Eye contact:	This product may cause irritation to the eyes.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Triglycidyl-p-aminophenol	None	Allergen, Irritant, Mutagen
Aluminum	None	Central nervous system, Irritant, Lung
Formaldehyde, polymer with epichlorohydrin and o-cresol	None	Irritant, Allergen
Phenol polymer with formaldehyde, glycidyl ether	None	Allergen, Irritant
Silica, amorphous, fumed, crystal-free	None	Nuisance dust

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Triglycidyl-p-aminophenol	No	No	No
Aluminum	No	No	No
Formaldehyde, polymer with epichlorohydrin and o-cresol	No	No	No
Phenol polymer with formaldehyde, glycidyl ether	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No

# 12. ECOLOGICAL INFORMATION

Ecological information:

Toxic 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 (4	19 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, liquid, n.o.s. (Triglycidyl-p-aminophenol)
Hazard class or division:	9
Identification number:	UN 3082
Packing group:	III
Water Transportation (IMO/IMDG)	
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triglycidyl-p- aminophenol)
Hazard class or division:	9
Identification number:	UN 3082
Packing group:	III
Marine pollutant:	Triglycidyl-p-aminophenol

## **15. REGULATORY INFORMATION**

**United States Regulatory Information** 

TSCA 8 (b) Inventory Status: TSCA 12 (b) Export Notification:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. Triglycidyl-p-aminophenol (CAS# 5026-74-4).
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	None above reporting de minimis. Delayed Health, Immediate Health 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).
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/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: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Manager, Regulatory Affairs

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