

**Revision Date:** 10/18/2007

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** HYSOL EA 9895 .033 PSF WPP  
**Product type:** Adhesive for the Aerospace Industry  
**Company address:**  
 Henkel Corporation  
 2850 Willow Pass Road  
 Bay Point, California 94565

**Item No. :** AT9360512 / IDH No. 822986  
**Region:** United States  
**Contact Information:**  
 Telephone: 925.458.8000 Fax : 925.458.8030.  
 Emergency Telephone: 860.571.5100.  
 Internet www.aerospace.henkel.us

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Epoxy resin Proprietary	5-10	None	None	None
Polyfunctional epoxy resin Proprietary	5-10	None	None	None
Epoxy resin Proprietary	5-10	None	None	None
Epoxy resin Proprietary	5-10	None	None	None
Elastomeric polymer Proprietary	1-5	None	None	None
Substituted phenol Proprietary	1-5	None	None	None
Boron (2-propanamine) Trifluoro-, rxn product with butyl glycidyl ether 68478-97-7	1-5	2.5 mg/m <sup>3</sup> TWA	2.5 mg/m <sup>3</sup> TWA as F	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Physical state:** Solid Film  
**Color:** Amber  
**Odor:** Slight

#### HMIS:

**HEALTH:** 1  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See Section 8

**WARNING:** MAY CAUSE ALLERGIC SKIN REACTION.  
 MAY CAUSE EYE AND SKIN IRRITATION.

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

### Potential Health Effects

**Inhalation:** May cause irritation to nose and throat.  
**Skin contact:** May cause allergic skin reaction. Brief contact with the uncured adhesive may irritate the skin or cause a rash. Brief contact with the cured adhesive, the release paper, or polyethylene should cause no adverse effects.  
**Eye contact:** Not expected to cause injury. Eye contact may cause mild irritation.

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**Ingestion:** Not a relevant route of exposure.

**Existing conditions aggravated by exposure:** Skin disorders.

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

#### 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If discomfort persists seek medical attention.

**Skin contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:** Do not induce vomiting. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

**Flash point:** Not applicable Product is a solid.

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** Not available

**Flammable/Explosive limits-upper %:** Not available

**Extinguishing media:** Use dry chemical, CO2, water spray or `alcohol` foam.

**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, oxides of nitrogen, irritating organic vapors.

#### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** No information available

**Clean-up methods:** Scrape up spilled material and place in a closed container for disposal.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Keep cool in accordance with information on label and in Technical Data Sheets.

**Storage:** Keep in a cool, well ventilated area.

**Incompatible products:** 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

**Engineering controls:** 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

<b>Physical state:</b>	Solid Film
<b>Color:</b>	Amber
<b>Odor:</b>	Slight
<b>Vapor pressure:</b>	Less than 0.001 mm Hg
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Not available
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Solubility in water:</b>	Negligible.
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	<0.1 g/L (estimated)

## 10. STABILITY AND REACTIVITY

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

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Epoxy resin Proprietary	No	No	No
Polyfunctional epoxy resin Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Elastomeric polymer Proprietary	No	No	No
Substituted phenol Proprietary	No	No	No
Boron (2-propanamine) Trifluoro-, rxn product with butyl glycidyl ether 68478-97-7	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Epoxy resin Proprietary	Allergen, Irritant
Polyfunctional epoxy resin Proprietary	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System, Mutagen
Epoxy resin Proprietary	Allergen, Irritant, Mutagen
Epoxy resin Proprietary	Allergen, Irritant
Elastomeric polymer Proprietary	No Records
Substituted phenol Proprietary	Irritant
Boron (2-propanamine) Trifluoro-, rxn product with butyl glycidyl ether 68478-97-7	No data

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of in accordance with Federal, State and local regulations.

**EPA 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  
**Marine pollutant:** 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 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.
<b>California Proposition 65:</b>	This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### 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. Those components must be tracked by all Canadian Importers of Record as required by the Canadian Environmental Protection Agency. They may be imported into Canada in limited quantities. Please contact Product Safety and Regulatory Affairs for details.
<b>WHMIS hazard class:</b>	D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

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