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

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymethylene resin</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elastomeric polymer</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Substituted phenol</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Proprietary</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boron (2-propanamine) Trifluoro-,...</td>
<td>1-5</td>
<td>2.5 mg/m³ TWA</td>
<td>2.5 mg/m³ TWA as F</td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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

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.
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.


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

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

### 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 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

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin Proprietary</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polyfunctional epoxy resin</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Epoxy resin Proprietary</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Epoxy resin Proprietary</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Elastomeric polymer Proprietary</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Substituted phenol Proprietary</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Boron (2-propanamine) Trifluoro-, rxn product with butyl glycidyl ether 80478-97-7</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

#### Literature Referenced Target Organ & Other Health Effects
<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Polyfunctional epoxy resin</td>
<td>Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System, Mutagen</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>Allergen, Irritant, Mutagen</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Elastomeric polymer</td>
<td>No Records</td>
</tr>
<tr>
<td>Substituted phenol</td>
<td>Irritant</td>
</tr>
<tr>
<td>Boron (2-propanamine) Trifluoro-&lt;br&gt; rxn product with butyl glycidyl ether</td>
<td>No data</td>
</tr>
</tbody>
</table>

### 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

**WaterTransportation (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

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.
CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: None.
California Proposition 65: 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. 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.
WHMIS hazard class: D.2.B

16. OTHER INFORMATION

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

Prepared by: C.J. Michaels, Manager, Regulatory Affairs
For Safety and Regulatory Information contact:
Product Safety and Regulatory Affairs,
Rocky Hill, CT.
860-571-5204

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