

**Revision Date:** 05/25/2007

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** HYSOL EA 9686 .030 PSF NW  
**Product type:** Adhesive for the Aerospace Industry  
**Company address:**  
 Henkel Corporation  
 2850 Willow Pass Road  
 Bay Point, California 94565

**Item No. :** AT9346512 / IDH No. 549842  
**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>
Modified epoxy resin Proprietary	30-60	None	None	None
Epoxy resin Proprietary	10-30	None	None	None
Polyfunctional epoxy resin Proprietary	10-30	None	None	None
Synthetic rubber Proprietary	5-10	None	None	None
Guanidine derivative Proprietary	5-10	None	None	None
Modified epoxy resin Unknown	1-5	None	None	None
Bisphenol A diglycidyl ether 1675-54-3	1-5	None	None	None
Substituted urea Proprietary	1-5	None	None	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Physical state:** Solid  
**Color:** Purple, rubber-like film  
**Odor:** None

#### HMIS:

**HEALTH:** 2\*  
**FLAMMABILITY:** 0  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

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

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

#### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation. Overexposure may cause nausea, headache, chills and fever. Sore throat.

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**Skin contact:** May cause allergic skin reaction. May cause skin irritation. Redness. Rash.  
**Eye contact:** May cause irritation.  
**Ingestion:** Not expected under normal conditions of use.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders. Asthma. Skin allergies. Eczema.

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

#### 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

**Skin contact:** Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist. Wash clothing before reuse.

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

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Give a conscious person several glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

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

**Autoignition temperature:** Not tested

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

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

**Extinguishing media:** Water fog. Foam. Carbon dioxide (CO<sub>2</sub>). Dry powder.

**Special fire fighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool.

**Unusual fire or explosion hazards:** Violent exothermic reaction may occur.

**Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen. Amide. Cyanic acids. Isocyanates. Carbamates. Toxic cyanates. Cyanogen. Styrene. Acrylonitrile. Acrolein. Acetophenone. Aldehydes. Ethylbenzene. Cumene. 4-Vinylcyclohexene. Phenols. Hydrocarbons.

#### 6. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Prevent product from entering drains or open waters.

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

#### 7. HANDLING AND STORAGE

**Handling:** Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Do not breathe mist or vapors. Keep container closed. Wash thoroughly after handling.

**Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

**Incompatible products:** Refer to Section 10.

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.

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**Respiratory protection:** Use a NIOSH approved respirator if ventilation is inadequate. Observe OSHA regulations for respiratory use (29 CFR 1910.134).

**Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

**Eye/face protection:** Chemical splash goggles or safety glasses with side shields.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid  
**Color:** Purple, rubber-like film  
**Odor:** None  
**Vapor pressure:** Nil  
**pH:** Not available  
**Boiling point/range:** Not available  
**Melting point/range:** Not available  
**Specific gravity:** 0.03 (Water=1)  
**Vapor density:** >1 (Air=1)  
**Evaporation rate:** Not available  
**Solubility in water:** Negligible.  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** <10g/L (estimated)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions

**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 masses of film greater than 1 pound (0.37 kg) total. 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
Modified epoxy resin Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Polyfunctional epoxy resin Proprietary	No	No	No
Synthetic rubber Proprietary	No	No	No
Guanidine derivative Proprietary	No	No	No
Modified epoxy resin Unknown	No	No	No
Bisphenol A diglycidyl ether 1675-54-3	No	No	No
Substituted urea Proprietary	No	No	No

**Literature Referenced Target Organ & Other Health Effects**

<b>Hazardous components</b>	<b>Health Effects/Target Organs</b>
Modified epoxy resin Proprietary	No data
Epoxy resin Proprietary	Allergen, Irritant
Polyfunctional epoxy resin Proprietary	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Nervous System, Mutagen
Synthetic rubber Proprietary	No Target Organs
Guanidine derivative Proprietary	Allergen, Central nervous system, Eyes, Irritant
Modified epoxy resin Unknown	No data
Bisphenol A diglycidyl ether 1675-54-3	Allergen, Central nervous system, Irritant, Respiratory, Liver
Substituted urea Proprietary	No Records

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available

**13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**EPA hazardous waste number:** Not a RCRA hazardous waste.

**14. TRANSPORT INFORMATION**

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

**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.

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.  
**CERCLA/SARA Section 311/312:** Immediate Health Hazard, Delayed Health Hazard  
**CERCLA/SARA 313:** None above reporting de minimus.

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer and 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.  
**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.

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