

**Revision Date:** 05/30/2007

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	PL7000 .05U 36" X 160'	<b>Item No. :</b>	AF3137751 / IDH No. 871813
<b>Product type:</b>	Adhesive for the Aerospace Industry	<b>Region:</b>	United States
<b>Company address:</b>	Henkel Corporation 2850 Willow Pass Road Bay Point, California 94565	<b>Contact Information:</b>	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	10-30	None	None	None
Epoxy resin Proprietary	10-30	None	None	None
Epoxy resin Proprietary	10-30	None	None	None
Modified epoxy resin Unknown	5-10	None	None	None
Treated fumed silica 67762-90-7	1-5	10mg/m <sup>3</sup> Inhalable fraction, 3mg/m <sup>3</sup> Respirable fraction, TWA	5mg/m <sup>3</sup> Respirable dust, 15mg/m <sup>3</sup> Total dust	None
Calcium oxide 1305-78-8	1-5	2 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> (TWA)	None
Guanidine derivative Proprietary	1-5	None	None	None
Epoxy resin Proprietary	1-5	None	None	None
Epoxy resin Proprietary	1-5	None	None	None
Hardener Proprietary	1-5	None	None	None

**3. HAZARDS IDENTIFICATION**

## EMERGENCY OVERVIEW

### HMS:

**Physical state:** Film / Solid  
**Color:** Green  
**Odor:** Slight

**HEALTH:** 2\*  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See Section 8

**WARNING:** MAY BE HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.  
MAY CAUSE ALLERGIC SKIN REACTION.  
MAY CAUSE SKIN IRRITATION.

**Relevant routes of exposure:** Skin contact

### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** Contains material that may be moderately toxic if absorbed through skin. May cause allergic skin reaction. May cause skin irritation.  
**Eye contact:** May cause irritation.  
**Ingestion:** May be harmful if swallowed. Not expected under normal conditions of use.

**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. 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:** Do not induce vomiting. Give a conscious person several glasses of water. Obtain medical attention.

## **5. FIRE-FIGHTING MEASURES**

**Flash point:** Not applicable Product is a solid.  
**Autoignition temperature:** Not determined  
**Flammable/Explosive limits-lower %:** Not determined  
**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 and nitrogen, aldehydes, acids and undetermined organics.

## **6. ACCIDENTAL RELEASE MEASURES**

**Environmental precautions:** Prevent product from entering drains or open waters.  
**Clean-up methods:** Scrape up as much material as possible. Store in a closed container until ready for disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
<b>Incompatible products:</b>	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

<b>Engineering controls:</b>	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
<b>Respiratory protection:</b>	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.
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact.
<b>Eye/face protection:</b>	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>	Film / Solid
<b>Color:</b>	Green
<b>Odor:</b>	Slight
<b>Vapor pressure:</b>	Not applicable
<b>pH:</b>	Not available
<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>	Not available
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	Not available

## 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 masses of film greater than 1 pound (.454 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
Epoxy resin Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Modified epoxy resin Unknown	No	No	No
Treated fumed silica 67762-90-7	No	No	No
Calcium oxide 1305-78-8	No	No	No
Guanidine derivative Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Epoxy resin Proprietary	No	No	No
Hardener Proprietary	No	No	No

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

Hazardous components	Health Effects/Target Organs
Epoxy resin Proprietary	Allergen, Irritant
Epoxy resin Proprietary	Allergen, Irritant
Epoxy resin Proprietary	Allergen, Irritant
Modified epoxy resin Unknown	No data
Treated fumed silica 67762-90-7	Irritant
Calcium oxide 1305-78-8	Irritant, Eyes, Corrosive
Guanidine derivative Proprietary	Allergen, Central nervous system, Eyes, Irritant
Epoxy resin Proprietary	Allergen, Irritant, Mutagen
Epoxy resin Proprietary	Allergen, Irritant
Hardener Proprietary	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:** This product may contain traces of traces of Benzene and may be classified as a hazardous waste (waste number(s) D018) under EPA RCRA (40 CFR 261.24). However this product is only classifiable as hazardous waste if it exhibits the characteristics of toxicity as shown by the toxicity characteristic leaching procedure (TCLP). Under RCRA, it is the responsibility of the end user of this product to determine whether it meets this criteria at the time of disposal.

### 14. TRANSPORT INFORMATION

**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:** 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:** Contains one or more components listed on 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.

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