

Revision Date: 12/10/2007

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Hysol 608 RESIN Product type: Epoxy Resin Company address: Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	Item No. : 83075_193032 / IDH No. 702121 Region: United States Contact Information: Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.loctite.com
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2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	60-100	None	None	None
Silica, amorphous, fumed, crystalline-free 112945-52-5	1-5	10 mg/m ³ TWA inhalable 3 mg/m ³ TWA respirable	6 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste Color: Milky White Odor: Slight	HMIS: HEALTH: FLAMMABILITY: PHYSICAL HAZARD: Personal Protection:	2 1 1 See Section 8
WARNING: MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.		

Relevant routes of exposure: Eye contact, Ingestion, Inhalation, Skin contact

Potential Health Effects

Inhalation:	May cause irritation to nose and throat. Coughing.
Skin contact:	Allergic skin reaction. Moderate skin irritation. Itching. Redness.
Eye contact:	Moderate eye irritation. Redness.
Ingestion:	Not expected under normal conditions of use.

Existing conditions aggravated by exposure: Skin disorders. Skin allergies. Respiratory disorders. Eye disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. 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 unless directed to do so by medical personnel. Keep individual calm. Get medical attention if symptoms develop and persist.
Notes to physician:	None.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93°C (200°F) Pensky Martens closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	In the event of fire, cool tanks with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Remove all ignition sources. Immediately contact emergency personnel. Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Do not breathe mist or vapors. Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Store in original container until ready to use. 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 contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
Respiratory protection:	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
Skin protection:	Chemical resistant, impermeable gloves.
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:	Paste
Color:	Milky White
Odor:	Slight
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Greater than 260°C (500°F)
Melting point/range:	Not available
Specific gravity:	1.17
Vapor density:	Greater than 1
Evaporation rate:	Not available
Solubility in water:	Slightly soluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	<0.40% (value for resin and hardener together) (estimated)

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	None
Incompatibility:	Strong acids. Strong bases. Strong oxidizers. Amines. Water.
Conditions to avoid:	Temperatures above 37.8°C (100°F). Excessive heat. Storage with incompatible materials. Avoid mixing resin (Part A) and curing agent (Part B) in batches greater than 2 pound (.9 kg) unless you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	No	No	No
Silica, amorphous, fumed, crystalline-free 112945-52-5	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	Allergen, Irritant
Silica, amorphous, fumed, crystalline-free 112945-52-5	Nuisance dust

12. ECOLOGICAL INFORMATION

Ecological information:	Not available
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Dispose according to EPA and local governmental regulations.
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EPA hazardous waste number:	Not a RCRA hazardous waste.
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Item No. : 83075_193032 / IDH No. 702121

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
Marine pollutant:	None known

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 above reporting de minimus.

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

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the 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: 2, 15

Prepared by: Gary Pierson, Sr. Product Safety and Regulatory Affairs Specialist

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Revision Date: 04/25/2006

Issue date: 05/31/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Hysol 608 HARD
Product type: Epoxy Hardener
Company address:
 Henkel Corporation
 1001 Trout Brook Crossing
 Rocky Hill, Connecticut 06067

Item No. : 83075_AB0608 / IDH No. 702122
Region: United States
Contact Information:
 Telephone: (860) 571-5100
 Emergency telephone: (860) 571-5100
 Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Polymercaptan hardener Proprietary	60-100	None	None	None
Phenol, 2,4,6- tris[(dimethylamino)methyl] 90-72-2	5-10	None	None	None
Silica, amorphous, fumed, crystalline-free 112945-52-5	5-10	6 mg/m ³ TWA	10 mg/m ³ TWA	3 mg/m ³ TWA respirable dust
Ethylene glycol 107-21-1	1-5	100 mg/m ³ Ceiling aerosol only	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Paste	HEALTH: 2
Color: Translucent Amber	FLAMMABILITY: 1
Odor: Slight, Ammoniacal	PHYSICAL HAZARD: 1
	Personal Protection: See Section 8

WARNING: MAY CAUSE ALLERGIC SKIN REACTION.
 CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION
 HARMFUL IF SWALLOWED.

Relevant routes of exposure: Eye contact, Ingestion, Inhalation, Skin contact

Potential Health Effects

Inhalation: May cause respiratory tract irritation. May cause irritation to nose and throat.
Skin contact: Allergic skin reaction. Moderate skin irritation. Rash. Redness.
Eye contact: Moderate eye irritation. Redness. Tissue damage.
Ingestion: Harmful if swallowed.

Existing conditions aggravated by exposure: Skin disorders. Skin allergies. Eye disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. 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 unless directed to do so by medical personnel. Keep individual calm. Get medical attention immediately.
Notes to physician:	None.

5. FIRE-FIGHTING MEASURES

Flash point:	157.3°C (315°F) Cleveland open cup
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not available
Flammable/Explosive limits-upper %:	Not available
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	In the event of fire, cool tanks with water spray.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Irritating organic fragments.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Remove all ignition sources. Immediately contact emergency personnel. Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Do not breathe mist or vapors. Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Store in original container until ready to use. 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 contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
Respiratory protection:	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
Skin protection:	Chemical resistant, impermeable gloves. Use chemical resistant, impermeable clothing including gloves and either an apron or body suit 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:	Paste
Color:	Translucent Amber
Odor:	Slight, Ammoniacal
Vapor pressure:	Less than 0.1 mm Hg at 20°C (68°F)
pH:	Not applicable
Boiling point/range:	Greater than 260.2°C (500°F)
Melting point/range:	Not available
Specific gravity:	1.15
Vapor density:	5
Evaporation rate:	<0.01
Solubility in water:	Slightly soluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	<0.40% (value for resin and hardener together) (estimated)

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	None
Incompatibility:	Strong acids. Strong oxidizers.
Conditions to avoid:	Excessive heat. Storage with incompatible materials.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polymercaptan hardener Proprietary	No	No	No
Phenol, 2,4,6-tris[(dimethylamino)methyl] 90-72-2	No	No	No
Silica, amorphous, fumed, crystalline-free 112945-52-5	No	No	No
Ethylene glycol 107-21-1	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Polymercaptan hardener Proprietary	No data
Phenol, 2,4,6-tris[(dimethylamino)methyl] 90-72-2	Allergen, Irritant
Silica, amorphous, fumed, crystalline-free 112945-52-5	Nuisance dust
Ethylene glycol 107-21-1	Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic

12. ECOLOGICAL INFORMATION

Ecological information:	Not available
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose according to EPA 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/MDG):

Proper shipping name: Not regulated
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
CERCLA/SARA 313: 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). Ethylene glycol (CAS# 107-21-1) .

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: All components are listed on or are exempt from listing on the 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: 9

Prepared by: Regulatory Affairs

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