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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** HYSOL 9432NA 2LB CN  
**Product type:** Epoxy Resin  
**Company address:**  
 Henkel Corporation  
 1001 Trout Brook Crossing  
 Rocky Hill, Connecticut 06067

**Item No. :** 83217 / IDH No. 398480  
**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>
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	30-60	None	None	None
Aluminum 7429-90-5	10-30	10 mg/m <sup>3</sup> TWA metal dust 5 mg/m <sup>3</sup> TWA as Al	15 mg/m <sup>3</sup> TWA (total), 5 mg/m <sup>3</sup> ( respirable)	None
Treated fumed silica 67762-90-7	5-10	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
Soda lime borosilicate glass 65997-17-3	1-5	1 fiber/cm <sup>3</sup> TWA respirable fibers: length > 5 µm, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination. 5 mg/m <sup>3</sup> TWA inhalable fraction	0.1 mg/m <sup>3</sup> TWA	None
Phenyl glycidyl ether 122-60-1	0-0.1	0.1 ppm TWA (skin)	10 ppm TWA 60 mg/m <sup>3</sup> TWA	None
Epichlorohydrin 106-89-8	0-0.1	0.5 ppm TWA (skin)	19 mg/m <sup>3</sup> TWA 5 ppm TWA (skin)	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Physical state:** Liquid/paste  
**Color:** Milky Grey  
**Odor:** Slight

#### HMIS:

**HEALTH:** 2\*  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** 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:** Mild respiratory tract irritation.  
**Skin contact:** Allergic skin reaction. Moderate skin irritation. Itching. Redness.  
**Eye contact:** Moderate eye irritation. Redness. Tearing.  
**Ingestion:** May irritate mouth, throat, and stomach if swallowed.

**Existing conditions aggravated by exposure:**

Skin disorders. Skin allergies. Respiratory disorders. Eye disorders.

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

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Get medical attention if symptoms develop and persist.
<b>Notes to physician:</b>	None.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	96.11°C (205°F)    Setaflash Closed cup
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	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.
<b>Hazardous combustion products:</b>	Oxides of carbon. Irritating organic fragments. Acids. Aldehydes.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	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

<b>Handling:</b>	Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage:</b>	Store in original container until ready to use.
<b>Incompatible products:</b>	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 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>	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
<b>Skin protection:</b>	Chemical resistant, impermeable gloves.
<b>Eye/face protection:</b>	Chemical splash goggles or safety glasses with side shields.

**Item No. :** 83217 / IDH No. 398480

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid/paste
Color:	Milky Grey
Odor:	Slight
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	1.45
Vapor density:	>1
Evaporation rate:	Not available
Solubility in water:	Negligible.
Partition coefficient (n-octanol/water):	Not available
VOC content:	Zero

## 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:	Storage with incompatible materials. 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
Aluminum 7429-90-5	No	No	No
Treated fumed silica 67762-90-7	No	No	No
Soda lime borosilicate glass 65997-17-3	Suspect Carcinogen	Group 2B	Yes
Phenyl glycidyl ether 122-60-1	No	Group 2B	Yes
Epichlorohydrin 106-89-8	Suspect Carcinogen	Group 2A	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Epichlorohydrin-4,4'-isopropylidene diphenol resin 25068-38-6	Allergen, Irritant
Aluminum 7429-90-5	Central nervous system, Irritant, Lung
Treated fumed silica 67762-90-7	Irritant
Soda lime borosilicate glass 65997-17-3	Allergen, Respiratory
Phenyl glycidyl ether 122-60-1	Allergen, Central nervous system, Irritant, Respiratory, Blood, Immune system, Bone Marrow, Reproductive, Some evidence of carcinogenicity
Epichlorohydrin 106-89-8	Allergen, Corrosive, Irritant, Kidney, Liver, Mutagen, Reproductive, Respiratory, Some evidence of carcinogenicity

## 12. ECOLOGICAL INFORMATION

### Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 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):

<b>Proper shipping name:</b>	Not regulated (Up to 1 gallon when shipped as originally packaged by Henkel only)
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### International Air Transportation (ICAO/IATA):

<b>Proper shipping name:</b>	Not regulated (Up to 1 gallon when shipped as originally packaged by Henkel only)
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### WaterTransportation (IMO/IMDG):

<b>Proper shipping name:</b>	Not regulated (Up to 1 gallon when shipped as originally packaged by Henkel only)
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

## 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 above reporting de minimus.
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health Hazard, Delayed Health Hazard
<b>CERCLA/SARA 313:</b>	None above reporting de minimus.

<b>California Proposition 65:</b>	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
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### Canada Regulatory Information

<b>CEPA DSL/NDSL Status:</b>	All components are listed on or are exempt from listing on the Domestic Substances List.
<b>WHMIS hazard class:</b>	D.2.A, D.2.B

## 16. OTHER INFORMATION

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

Prepared by:

Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

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