



Revision Number: 001.1

Issue date: 09/18/2009

**1. PRODUCT AND COMPANY IDENTIFICATION**

|                               |                                   |                     |               |
|-------------------------------|-----------------------------------|---------------------|---------------|
| <b>Product name:</b>          | <b>Hysol 11C EPK RESIN</b>        | <b>IDH number:</b>  | 702165        |
| <b>Product type:</b>          | Epoxy resin                       | <b>Item number:</b> | 83186_AE4304  |
|                               |                                   | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>       |                     |               |
| Henkel Corporation            | Telephone: 860.571.5100           |                     |               |
| One Henkel Way                | Emergency telephone: 860.571.5100 |                     |               |
| Rocky Hill, Connecticut 06067 | Internet: www.henkelna.com        |                     |               |

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

|                        |                 |                             |                    |
|------------------------|-----------------|-----------------------------|--------------------|
| <b>Physical state:</b> | Viscous, Liquid | <b>HEALTH:</b>              | *2                 |
| <b>Color:</b>          | Black           | <b>FLAMMABILITY:</b>        | 1                  |
| <b>Odor:</b>           | Mild, Petroleum | <b>PHYSICAL HAZARD:</b>     | 0                  |
|                        |                 | <b>Personal Protection:</b> | See MSDS Section 8 |

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

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

**Potential Health Effects**

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful.

**Skin contact:** Mild skin irritation. Allergic skin reaction.

**Eye contact:** Mild eye irritation.

**Ingestion:** Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

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

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Hazardous components                               | CAS NUMBER | %       |
|--|------------|---------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | 25068-38-6 | 30 - 60 |
| Filler   | Unknown    | 10 - 30 |
| Talc   | 14807-96-6 | 10 - 30 |
| Quartz (SiO2)                                      | 14808-60-7 | 0.1 - 1 |
| Carbon black                                       | 1333-86-4  | 0.1 - 1 |

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

|                      |  |
|----------------------|--|
| <b>Skin contact:</b> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.  |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Keep individual calm. Get medical attention.                              |

## 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | 249 °C (480.2 °F) Pensky Martens 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>                | Water spray (fog), foam, dry chemical or carbon dioxide.                                     |
| <b>Special firefighting procedures:</b>    | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b>  | In case of fire, keep containers cool with water spray.                                      |
| <b>Hazardous combustion products:</b>      | Oxides of carbon. Hydrocarbons.  |

## 6. ACCIDENTAL RELEASE MEASURES

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

|                                   |  |
|-----------------------------------|--|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.  |
| <b>Clean-up methods:</b>          | Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed. |

## 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep away from heat, spark and flame. Keep container closed. |
| <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.  |

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.**

| Hazardous components                               | ACGIH TLV                               | OSHA PEL   | AIHA WEEL | OTHER  |
|--|---|--|-----------|--------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None                                    | None   | None      | None   |
| Filler   | None                                    | 15 mg/m3 TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.   | None      | None   |
| Talc   | 2 mg/m3 TWA<br>Respirable fraction.     | 20 MPPCF TWA<br>2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m3 TWA<br>Respirable.<br>0.3 mg/m3 TWA<br>Total dust. | None      | 50 ppm |
| Quartz (SiO <sub>2</sub> )                         | 0.025 mg/m3 TWA<br>Respirable fraction. | 2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m3 TWA<br>Respirable.<br>0.3 mg/m3 TWA<br>Total dust.                 | None      | None   |
| Carbon black                                       | 3.5 mg/m3 TWA                           | 3.5 mg/m3 TWA  | None      | None   |

- Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
- Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
- Eye/face protection:** Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.
- Skin protection:** Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Viscous, Liquid
- Color:** Black
- Odor:** Mild, Petroleum
- Odor threshold:** Not available
- pH:** Not applicable
- Vapor pressure:** Negligible
- Boiling point/range:** 260.2 °C (500.4 °F)
- Melting point/ range:** Not available
- Specific gravity:** 1.57
- Vapor density:** Not available
- Flash point:** 249 °C (480.2 °F) Pensky Martens closed cup
- Flammable/Explosive limits - lower:** Not available
- Flammable/Explosive limits - upper:** Not available
- Autoignition temperature:** Not available
- Evaporation rate:** Not available
- Solubility in water:** Insoluble
- Partition coefficient (n-octanol/water):** Not available
- VOC content:** Not available

## 10. STABILITY AND REACTIVITY

- Stability:** Stable
- Hazardous reactions:** Will not occur.
- Hazardous decomposition products:** Oxides of carbon. Hydrocarbons. Phenolics.
- Incompatible materials:** Strong oxidizing agents. Acids. Bases. Amines.
- Conditions to avoid:** Excessive heat. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

| Hazardous components                               | NTP Carcinogen    | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|--|-------------------|-----------------|---|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | No                | No              | No  |
| Filler   | No                | No              | No  |
| Talc   | No                | No              | No  |
| Quartz (SiO <sub>2</sub> )                         | Known carcinogen. | Group 1         | No  |
| Carbon black                                       | No                | Group 2B        | No  |

| Hazardous components                               | Health Effects/Target Organs                          |
|--|---|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | Allergen, Irritant                                    |
| Filler   | No Data   |
| Talc   | Irritant, Lung, Some evidence of carcinogenicity      |
| Quartz (SiO <sub>2</sub> )                         | Immune system, Lung, Some evidence of carcinogenicity |
| Carbon black                                       | Respiratory, Some evidence of carcinogenicity         |

## 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.

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

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

**California Proposition 65:**

This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

**CEPA DSL/NDL Status:**

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**WHMIS hazard class:**

D.2.A, 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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