1. PRODUCT AND COMPANY IDENTIFICATION

Product name: HYSOL E-40HT EPOXY 50ML PT A
Product type: Adhesive
ID number: 1086059
Item number: 1086059_193385
Region: United States
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Off white
Odor: Slight

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

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation. May cause irritation to nose and throat.
Skin contact: May cause allergic skin reaction. Causes skin irritation. Rash. Itching.
Eye contact: Moderate eye irritation.
Ingestion: Not expected to be harmful by ingestion.

Existing conditions aggravated by exposure:

Eye, skin, and respiratory disorders.

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

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS NUMBER</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epichlorohydrin-4,4'-isopropylidene diphenol resin</td>
<td>25068-38-6</td>
<td>60 - 100</td>
</tr>
<tr>
<td>4,4'-Methylenebis[N,N-bis(2,3-epoxypropyl)aniline]</td>
<td>28768-32-3</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Synthetic rubber</td>
<td>Proprietary</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>67762-90-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epichlorohydrin-4,4'-isopropylidene dipheno 3 resin</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>4,4'-Methylenebis[N,N-bis(2,3-epoxypropyl)aniline]</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Synthetic rubber</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>10 mg/m³ TWA Inhalable dust. 3 mg/m³ TWA Respirable fraction.</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>15 mg/m³ TWA Total dust. 5 mg/m³ TWA Respirable fraction.</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Engineering controls:
Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection:
Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

Eye/face protection:
Safety goggles or safety glasses with side shields.

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

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** Liquid
- **Color:** Off white
- **Odor:** Slight
- **Odor threshold:** Not available
- **pH:** Not available
- **Vapor pressure:** Not available
- **Boiling point/range:** Not available
- **Melting point/ range:** Not available
- **Specific gravity:** 1.14
- **Vapor density:** Not available
- **Flash point:** > 94.5 °C (> 202.1 °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:** Not available
- **Partition coefficient (n-octanol/water):** Not available
- **VOC content:** 0 %; 0 g/l (value as mixed for use)

### 10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions of storage and use.
- **Hazardous reactions:** May occur.
- **Hazardous decomposition products:** Oxides of carbon and nitrogen, aldehydes, acids and undetermined organics. Oxides of silicon. Formaldehyde.
- **Incompatible materials:** Oxidizing agents. Acids. Bases.
- **Conditions to avoid:** Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Avoid heating unless curing surfaces to be bonded. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.
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/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format., This Material Safety Data Sheet contains changes from the previous version in Section(s): 2, 3, 4, 5, 10, 11

Prepared by: Rena Petrides, Regulatory Affairs Specialist

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