## MATERIAL SAFETY DATA SHEET
### Epoxy Resin

### Section 1: Identification

**Chemical Name:** Bisphenol A, Epichlorohydrin; Phenol, 4,4'-((1-methylethylidene) bis-polymer with (chloromethyl)oxirane

**Chemical Family:** Epoxy Resin

**Company Identification:** (INDIA)
Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:
Tel: +91 - 22 - 2275 5555 / 6184 0000,
Fax: +91 - 22 - 2275 5556 / 6184 0001

### Section 2 Composition

**CAS #:** 25068-38-6  99.9+% Bisphenyl A, Epichlorohydrin

### Section 3: Hazard Identification

**Emergency overview:** This material may be irritating upon contact.

**Physical Health Hazards**
Irritant

**Routes of exposure**
Eye, ingestion, skin contact

**Signs and Symptoms of Acute Exposure**
Not known

### Section 4: First Aid Measures

Take proper precautions to ensure your own health and safety before attempting to rescue and providing first aid. These practices include avoiding all unnecessary exposure and removal of the material from eye, skin, and clothing.

**Skin contact**
Wash affected area with copious amounts of water

**Inhalation**
Remove to fresh air. Give oxygen or artificial respiration, as needed

**Eye contact**
Flush eyes with water for at least 15 minutes

**Ingestion**
Drink 1 or 2 glasses of water. Call physician. Seek medical treatment if symptoms persist

**Chronic Health Effects Summary**
No known chronic health effects

**Conditions Aggravated by Exposure**
No known conditions are aggravated by this material

### Section 5: Fire Fighting Measures

**Flash Point** > 138 °C

**Auto-Ignition Temperature** Not known

**Flammable Limits**
Lower: Not applicable
Upper: Not applicable

**Hazardous Combustion/Decomposition Products**
Carbon monoxide or carbon dioxide may be formed

**Extinguishing Media**
Water spray, foam, dry powder or carbon dioxide. Do not use straight streams of water.

**Fire Fighting Instructions**
Protective Equipment/Clothing: Wear a NIOSH approved positive pressure self-contained breathing apparatus and firefighter turnout gear. Remove non-
### Section 6: Accidental Release Measures

**Release response:** Absorb with vermiculite, dry sand or earth. Pick up absorbed materials and store in closed, labeled container for disposal. Prevent run-off or release into sewers or ground water.

### Section 7: Handling and Storage

**Handling:** Use only with adequate mechanical ventilation. Use impervious gloves, safety goggles. If respiratory protections are needed, use an approved chemical respirator. Wear protective clothing. A safety shower and eye wash should be available in the work place.

**Storage:** Store in tightly closed container in cool, well ventilated area.

### Section 8: Exposure Controls and Personal Protection

<table>
<thead>
<tr>
<th>Engineering Controls</th>
<th>Use only with adequate mechanical ventilation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal Protection</strong></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Use appropriate respiratory protection where needed</td>
</tr>
<tr>
<td>Skin</td>
<td>Protective clothing such as long sleeves or a lab coat should be worn</td>
</tr>
<tr>
<td>Eye</td>
<td>Always use safety goggles, even for work with small quantities</td>
</tr>
</tbody>
</table>

### Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point/Range</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>See specifications</td>
</tr>
<tr>
<td>Specific Gravity (Water = 1)</td>
<td>1.13</td>
</tr>
<tr>
<td>Water solubility</td>
<td>80%</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>Not applicable, resin not crystalline</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### Section 10: Stability and Reactivity

**Chemical Stability:** The product is stable and does not undergo a hazardous polymerization.

**Conditions to Avoid:** Avoid contact with excessive heat, sparks or open flame.

**Incompatibility with:** Alkalies, strong acids, strong bases, some metallic salts.

**Hazardous Products of Deposition:** Carbon dioxide, carbon monoxide.

### Section 11: Toxicological Information

**Summary:** This material may be an irritant on skin contact, be harmful if swallowed or inhaled, and a sensitizer on skin contact.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Effects</td>
<td>May be irritating on contact</td>
</tr>
<tr>
<td>Acute Oral Effects</td>
<td>Harmful if ingested</td>
</tr>
<tr>
<td>Acute Inhalation Effects</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>CAS#</td>
<td>25068-38-6</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>20gm/kg rabbit</td>
</tr>
<tr>
<td>Oral LD50</td>
<td>11.4 gm/kg, rat</td>
</tr>
<tr>
<td>Chronic Effects/Carcinogenicity</td>
<td>CAS# 25068-38-6 is not listed by OSHA, IARC, NTP or CA Prop 65</td>
</tr>
<tr>
<td>Reproductive/Development Effects</td>
<td>No reproductive or developmental effects</td>
</tr>
</tbody>
</table>
Section 12: Ecological Information

**Ecotoxicity:** European Union: Dangerous to the environment - may cause long term adverse aquatic effects.

Section 13: Disposal Considerations

Dispose of in accordance with all applicable local, state, and federal laws and regulations. Consult your appropriate regulatory officials for information on such disposal.

Section 14: Transport Information

<table>
<thead>
<tr>
<th>DOT Hazard Class</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN/NA ID</td>
<td>3082</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>Labels</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Marine Pollutant</td>
<td>No</td>
</tr>
<tr>
<td>European Union</td>
<td>Environmentally hazardous substance, Liquid, Epoxy Resin Number Average MW&lt;700.</td>
</tr>
<tr>
<td>DOT Status</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

Section 15: Regulatory Information

<table>
<thead>
<tr>
<th>TSCA</th>
<th>This product is listed on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA 12(b)</td>
<td>Component Listed under TSCA Section</td>
</tr>
<tr>
<td>DSL</td>
<td>This product is listed on the DSL</td>
</tr>
<tr>
<td>EINECS</td>
<td>This product is not listed on EINECS.</td>
</tr>
</tbody>
</table>

Section 16 - Other Information

<table>
<thead>
<tr>
<th>MSDS Creation Date</th>
<th>July 22, 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision #0 Date</td>
<td></td>
</tr>
</tbody>
</table>

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