1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Duro(R) Master Mend(R) Epoxy Extra Strength Quick Set(TM)
Item No.: 82425
Part No.: QM-50
Product Type: Epoxy adhesive

2. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>25068-38-6</td>
<td>85-90</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>26142-30-3</td>
<td>10-15</td>
</tr>
<tr>
<td>HARDENER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymercaptaot</td>
<td>101359-87-9</td>
<td>80-85</td>
</tr>
<tr>
<td>Substituted aminophenol</td>
<td>90-72-2</td>
<td>5-10</td>
</tr>
<tr>
<td>Nonylphenol</td>
<td>25154-52-3</td>
<td>3-5</td>
</tr>
<tr>
<td>Heptakis(dipropyleneglycol)-triphosphate</td>
<td>13474-96-9</td>
<td>1-3</td>
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</table>

Ingredients which have exposure limits

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>ACGIH (TLV)</th>
<th>OSHA (PEL)</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLYMERICAPTAOT</td>
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<td></td>
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<tr>
<td>Substituted aminophenol</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Nonylphenol</td>
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</tr>
<tr>
<td>Heptakis( )-triphosphate</td>
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<td>HARDENER</td>
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<tr>
<td>Exposure Limits</td>
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<td></td>
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<td>RESIN</td>
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</tr>
<tr>
<td>POLYMERICAPTAOT</td>
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<td></td>
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<td>Substituted aminophenol</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Nonylphenol</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heptakis( )-triphosphate</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Toxicity: Skin and eye irritant. Moderately toxic by ingestion. Sensitizer.
Primary Routes of Entry: Skin, ingestion, inhalation.
Signs and symptoms of Exposure: May cause eye irritation and other allergic responses such as skin sensitization or dermatitis.
### 3. HAZARDS IDENTIFICATION (continued)

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Literature Referenced</th>
<th>Target Organ and Other Health Effects</th>
<th>Carcinogen</th>
<th>NTP</th>
<th>IARC</th>
<th>OSHA</th>
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<tr>
<td>Epoxy resin</td>
<td>ALG IRR</td>
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<td>NO</td>
<td>NO</td>
<td></td>
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<tr>
<td><strong>HARDENER</strong></td>
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<td>NO</td>
<td></td>
</tr>
<tr>
<td>triphosphate</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations

ALG Allergen
IRR Irritant
COR Corrosive

### 4. FIRST AID MEASURES

**Ingestion:**
Do not induce vomiting. Keep individual calm. Obtain medical attention.

**Inhalation:**
Remove to fresh air.

**Skin Contact:**
Wash with soap and water.

**Eye Contact:**
Flush at least 15 minutes with water. Obtain medical attention.

### 5. FIRE FIGHTING MEASURES

**Flash Point:**
More than 200°F

**Method:**
Tag Closed Cup

**Recommended Extinguishing Agents:**
Carbon dioxide, foam, dry chemical

**Hazardous Products formed by Fire or Thermal Decomp**
Irritating organic vapors

**Unusual Fire or Explosion Hazards:**
None
Explosive Limits:
(% by volume in air) Lower Not available
(% by volume in air) Upper Not available

6. ACCIDENTAL RELEASE MEASURES
Steps to be taken in case of spill or leak: Take up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE
Safe Storage: Store below 110°F. (Contact Loctite Customer Service 1-800-243-4874 for shelf Life information)
Handling: Avoid skin contact. Keep away from eyes.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION
Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Not normally necessary, but may be desireable for prolonged use in confined areas.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Colorless, viscous liquid.
Odor: Unpleasant
Boiling Point: More than 300°F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity Resin: 1.13
Hardener: 1.08

Volatile Organic Compound (EPA Method 24) Resin: 0%, 0 grams per liter
Hardener: 11.08%; 119.7 grams per liter
Vapor Pressure: Less than 5mm at 80°F
Vapor Density: Not available
Evaporation Rate (Ether = 1) Not available

10. STABILITY AND REACTIVITY
11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORT INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: Warning: This product contains a chemical known to the State of California to cause cancer.
Epichlorohydrin
16. OTHER INFORMATION

Estimated NFPA(R) Code:
- Health Hazard: 2
- Fire Hazard: 1
- Reactivity Hazard: 0
- Specific Hazard: Does not apply

Estimated HMIS(R) Code:
- Health Hazard: 2
- Flammability Hazard: 1
- Reactivity Hazards: 0
- Personal Protection: See Section 8.

LOCTITE CORPORATION
ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

Product Name: Duro(R) Master Mend(R) Epoxy Extra Strength Quick Set(TM)
Item No.: 82425

16. OTHER INFORMATION (continued)

Prepared By: Stephen Repetto
Title: Research Chemist, Environmental Health & Safety
Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
(24hr.) Phone: (860) 571-5100
Revision Date: January 22, 1996 Revision: 0023