SECTION 1 - PREPARATION/PRODUCT INFORMATION

Manufacturer's Name: Digital Equipment Corporation, Maynard, MA USA
Non-Emergency Phone Number: (508) 496-9242
Preparation Date: July 11, 1995
Supersedes: March 4, 1992

Product Name: Epoxy Resin Part A (White)
Use: Connecting Optic Cable
Part Number(s): H8102-AB, 22-00475-01
H8102-AC, 22-00474-01

SECTION 2 - INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>CAS</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>CARCINOGEN LIST IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>SARA 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Butyl-</td>
<td>2408-88-6</td>
<td>8</td>
<td>25 ppm</td>
<td>50 ppm</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>Glycidyl Ether</td>
<td></td>
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<tr>
<td>Silica, Amorphous</td>
<td>7631-86-9</td>
<td>4</td>
<td>10 mg/m³</td>
<td>6 mg/m³</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>Bisphenol-</td>
<td>25068-38-6</td>
<td>88</td>
<td></td>
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<tr>
<td>Epichlorohydrin-</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Polymer</td>
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</tbody>
</table>

OTHER INGREDIENTS

None

All chemicals contained in this product are on the U.S. TSCA inventory.

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - 140°C (284°F)
Vapor Density - ~3.8 (air=1)
Appearance - Translucent Liquid
Freezing Point - Not available
Solubility in Water - <1%
Evaporation Rate - >1
Odor and Odor Threshold - Sweet
pH - Not available
Vapor Pressure - <2 mmHg
Percent Volatile - Not available
Melting/Softening Point - Not applicable
Specific Gravity - 1.15 (water = 1)

SECTION 4 - FIRE AND EXPLOSION HAZARD

Auto-Ignition Temperature - Not available
Hazardous Combustion Products - Carbon monoxide, carbon dioxide, oxides of nitrogen, aldehydes, organic acids and undetermined organics
Unusual Fire or Explosion Hazards - Dense smoke and toxic gases may be produced upon combustion.
Flammable Limits - LEL: 0.4%; UEL: 1.3%
Special Fire-Fighting Procedure - Use self-contained breathing apparatus when fighting fires in confined areas.
Flash Point - 93°C (200°F)
Extinguishing Media - Dry chemical, or halon fire extinguisher, water spray, fog, foam
SECTION 5 - REACTIVITY DATA

Conditions to Avoid - Avoid mixing resin and curing agent in batches greater than one pound total. Do not heat material unless curing surfaces to be bonded. Failure to observe cautions may result in release of toxic gases.

Hazardous Polymerization - May occur
Incompatibility - Strong oxidizing agents, strong Lewis acids, mineral acids
Stability - Stable
Hazardous Decomposition Products - Not available

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans (Based on hazardous ingredients data) - Primary route of exposure is dermal. This product is a potential reproductive and carcinogenic hazard. Skin and eye irritation and dermal sensitization may occur.

Animal Experiment (Based on hazardous ingredients data) -
Acute - Oral LD₅₀ 0.5-5 g/kg (slightly toxic). Dermal LD₅₀ 2-20 g/kg (slightly toxic). Inhalation LC₅₀ > 20 mg/l (practically nontoxic). Moderate skin and mild eye irritation have been reported.
Chronic/Other - Skin sensitization and mutagenicity have been observed. Renal and lymphoreticular/hematopoietic tumors have been reported in mice following dermal exposure. Skin tumors are possible following dermal exposure. Structurally similar chemicals have been shown to cause testicular atrophy and impaired reproduction.

Additional Information - TLV R for N-butyl glycidyl ether was established for dermal irritation. The TLV R for silica was established for inert dust. This product is dangerous and should be used only with adequate protection that prevents any skin exposure.

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

If on Skin - Promptly wash skin with soap and water. If irritation persists, contact a physician. Do not use other solvents to remove material from skin.
If in Eyes - Flush eyes with large quantities of water for at least 15 minutes. Contact a physician.
If Swallowed - Seek immediate medical attention.
If Inhaled - Not applicable

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - Safety glasses with side shields or goggles are required.
Work Practices - Wear impervious plastic or rubber gloves included in package.
Storage Requirement - Store in a cool dry place. Do not mix in batches of greater than one pound total. Follow recommended curing procedures.
Procedures for Leaks or Spills - Scrape up and transfer to metal container for disposal. Use rag or paper towel and detergent to clean residue.
Waste Disposal - Cured product is nonhazardous. No special requirements.
Labelling - U.S.: Irritant; Sensitizer; Carcinogen; MUTAGEN
Handling Procedure/Equipment - None
WHMIS Classification - Class D Division 2 Subdivision B: Toxic Class E: Corrosive
Engineer Control - Not needed

SECTION 9 - TRANSPORTATION REQUIREMENTS

Epoxy Resin Parts A and B are shipped as a single kit. Requirements below are for the kit.
Packing Group - II (IATA/ICAO, IMO)
Shipper/Consignee "This Side Up" on top. (U.S. DOT)
Identification Number - UN 2259 (IATA/ICAO, IMO)
Proper Shipping Name - Triethylenetetramine (IATA/ICAO,IMO)
"This package conforms to conditions and limitations specified in 49CFR 173.4."
Hazard Class - Corrosive, 8 (IATA/ICAO, IMO)
RQ - Not applicable
MSDS SATISFIES OSHA AND WHMIS REQUIREMENTS