



MATERIAL SAFETY DATA SHEET

EUROPEAN

EPOXY RESIN PART A (WHITE) Page 1 of 3 A-SP-ELMD017-AE-0 Rev B

SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

1.1 Product Name: Epoxy Resin Part A (White)

Part Number(s): H8102-AB, 22-00475-01
H8102-AC, 22-00474-01

1.2 Manufacturer's Name: Digital Equipment Corporation, Maynard, MA USA

1.3 Emergency Phone Numbers: 800-228-5635 ext.123
[+1] 612-221-3999 ext.123

Non-Emergency Phone Number: (508) 496-9242

SECTION 2 - COMPOSITION OF INGREDIENTS

N-Butyl-Glycidyl Ether	2426-08-6	8%
Silica, Amorphous	7631-86-9	4%
Bis phenol-Epichlorohydrin-Polymer	25068-38-6	88%

Labeling - U.S.: Irritant; Sensitizer; Carcinogen; MUTAGEN

WHMIS Classification - Class D Division 2 Subdivision B: Toxic; Class E: Corrosive

SECTION 3 - HAZARD IDENTIFICATION

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.

SECTION 4 - FIRST-AID MEASURES

If Inhaled - Not applicable

If on Skin - Promptly wash skin with soap and water. If irritation persists, contact a physician. Do not use other solvents to remove 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.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - Use self-contained breathing apparatus when fighting fires in confined areas.

Unusual Fire or Explosion Hazards - Dense smoke and toxic gasses may be produced upon combustion.

Extinguishing Media - Dry chemical, or halon filled extinguisher, water spray, fog, foam

Hazardous Combustion Products - Carbon monoxide, carbon dioxide, oxides of nitrogen, aldehydes

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

None

SECTION 7 - HANDLING AND STORAGE

Engineer Control - Not needed

Procedures for Leaks or Spills - Scrape up and transfer to metal container for disposal. Use rag or paper towel and detergent to clean residue.

Work Practices - Wear impervious plastic or rubber gloves included in kit.

Storage Requirement - Store in cool, dry place. Do not mix in batches of greater than one pound.

Follow recommended curing procedures.

Handling Procedure/Equipment - None

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protective Equipment - Wear impervious plastic or rubber gloves that are included in kit.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Translucent liquid

Odor and Odor Threshold - Sweet

pH - Not available

Boiling Point - 140°C (284°F)

Vapor Pressure - <2 mmHg

Vapor Density - ~3.8 (air=1)

Melting/Softening Point - Not applicable

Specific Gravity - 1.15 (water = 1)

Flammable Limits - LEL:0.4%; UEL:1.3%

Explosive Properties - N/A

Partition Coefficient - N/A

Oxidizing Properties - N/A

Solubility in Water - <1%

Percent Volatile - Not available

Evaporation Rate - >1

Freezing Point - Not available

Flash Point - 93°C (200°F)

Auto-Ignition Temperature - Not available

SECTION 10 - STABILTY AND REACTIVITY

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 gasses.

Incompatibility - Strong oxidizing agents, strong Lewis acids, mineral acids

Stability - Stable

Hazardous Polymerization - May occur

Hazardous Decomposition Products - Not available

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SECTION 11 - TOXICOLOGICAL INFORMATION

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. 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 12 - ECOLOGICAL INFORMATION

None; should not remain in the environment. No ecological effect.

SECTION 13 - DISPOSAL INFORMATION

Waste Disposal - Cured product is nonhazardous. No special requirements.

SECTION 14 - TRANSPORTATION INFORMATION

Epoxy Resin, Parts A and B, are shipped as a single kit. Requirements below are for the kit.

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)

Identification Number - UN 2259 (IATA/ICAO, IMO)

RQ - Not applicable

Packing Group - II (IATA/ICAO, IMO)

Shipper/consignee: "This side up" on top. (U.S. DOT)

SECTION 15 - REGULATORY INFORMATION

SEE LOCAL REQUIREMENTS

SECTION 16 - OTHER INFORMATION

Use: Connecting Optic Cable

Date Prepared: July 24, 1995
