



MATERIAL SAFETY DATA SHEET

EPOXY RESIN PART B (AMBER) Page 1 of 2 A-SP-ELMD018-AA-0 Rev B

SECTION 1 - PREPARATION/PRODUCT INFORMATION

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

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

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

Preparation Date: July 11, 1995

Supersedes: March 4, 1992

Product Name: Epoxy Resin Part B (Amber)

Use: Connecting Optic Cable

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

SECTION 2 - INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL	CARCINOGEN LIST			SARA 313
					IARC	NTP	OSHA	
Silica, Amorphous	7631-86-9	3	10 mg/m ³	6 mg/m ³	NO	NO	NO	NO
Triethylene- Tetramine	112-24-3	19	None					
OTHER INGREDIENTS								
Polyamide- Resin	37189-83-6	78	Not Applicable					

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

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - 277°C (531°F)	Solubility in Water - ~20%	Vapor Pressure - <0.01 mmHg
Vapor Density - >1 (air=1)	Evaporation Rate - <0.01	Percent Volatile - Not available
Appearance - Amber liquid	Specific Gravity - 0.98 (water = 1)	Melting/Softening Point - Not applicable
Freezing Point - Not available	pH - Not available	Odor and Odor Threshold - Ammonia odor

SECTION 4 - FIRE AND EXPLOSION HAZARD

Auto-Ignition Temperature - Not available	Flammable Limits - Not available
Hazardous Combustion Products - Carbon monoxide, carbon dioxide, oxides of nitrogen, aldehydes, organic acids and undetermined organics	Special Fire-Fighting Procedure - Use self-contained breathing apparatus when fighting fires in confined areas.
Unusual Fire or Explosion Hazards - Dense smoke and toxic gases may be produced upon combustion.	Flash Point - 129°C (265°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.

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

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans - Primary route of exposure is dermal. Corrosion to skin and eyes may occur. Repeat exposure may cause dermal sensitization.

Animal Experiment (Based on ingredients) -

Acute - Oral LD₅₀- N.D. Dermal LD₅₀- N.D. Inhalation LC₅₀- N.D. Corrosive to the skin and eyes.

Chronic/Other - A dermal bioassay in mice has shown triethylenetetramine to not be carcinogenic. The data suggest that triethylenetetramine may be teratogenic. Triethylenetetramine is mutagenic in vitro. Information on in vivo mutagenicity is not available.

Additional Information - The TLV^R for silica has been established for total dust.

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

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 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.

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - Safety glasses with side shields or goggles are required.

Engineer Control - Not needed

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

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 package.

Storage Requirement - Store in a cool dry place. Do not mix in batches of greater than one pound total. Follow recommended curing procedures.

Handling Procedure/Equipment - None

Labelling - U.S.: Corrosive; Sensitizer

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

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