



MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: EPY-150 Resin

November 29, 2005

Vishay Micro-Measurements
Post Office Box 27777
Raleigh, NC 27611

MSDS # MGM100A

919-365-3800

CHEMTREC 1-800-424-9300 (U.S.)
703-527-3887 (Outside U.S.)

NOTE: CHEMTREC numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CAS NUMBER	CHEMICAL IDENTITY	%
25068-38-6	Bisphenol A/Epichlorohydrin Based Epoxy Resin	90-100
112945-52-5	Silica, Amorphous, Fumed, Crystalline-Free	<5

SECTION 3: HEALTH HAZARD DATA

Routes of Entry:

Inhalation: Yes **Skin:** Yes **Ingestion:** Accidental

Health Hazards (Acute and Chronic): Repeated contact or breathing of vapors may cause irritation; material is also a strong sensitizer.

Carcinogenicity: NTP: Not listed
 IARC Monographs: Not listed
 OSHA Regulated: Not listed

Signs and Symptoms of Exposure:

INHALATION: Repeated breathing of vapors may cause irritation.

EYE CONTACT: Eye contact may cause transient irritation.

SKIN CONTACT: Skin contact may cause transient irritation. Repeated contact may cause irritation. Material is a strong sensitizer.

INGESTION: Unknown.

Conditions Generally Aggravated by Exposure: Unknown.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air.

EYE CONTACT: Flush with water for 15 minutes. Consult physician.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing.

INGESTION: No known antidote but give milk or water; induce vomiting if large amount swallowed.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >480°F (248.9°C) PMCC

Flammable limits: LEL: N/A UEL: N/A

Extinguishing Media: Dry chemical, chemical foam, carbon dioxide, water.

Special Firefighting Procedures: Avoid breathing smoke. Addition of water may reduce flame intensity.

Unusual Fire and Explosion Hazards: Toxic gases may be liberated; handle as combustible. Store in a cool place.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Prevent skin and eye contact. Soak up in absorbent material, or scrape up and transfer to disposal container. Wipe up remaining residue with solvents, observing solvent flammability cautions, or use detergents.

SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

Respiratory Protection: Air supplied or organic canister, mask in confined areas.

Ventilation: Local or mechanical exhaust recommended.

Protective Gloves: Rubber or plastic disposable gloves.

Eye Protection: Safety glasses or goggles.

Other Protective Clothing or Equipment: As required to prevent contact.

Work / Hygienic Practices: Eye wash station and emergency shower should be available.

SECTION 8: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in cool place in closed containers.

Other Precautions: Prevent skin and eye contact. Avoid breathing vapors.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>350°F (176.6°C)
Vapor Pressure (mmHg):	<1
Vapor Density (Air = 1):	>1
Specific Gravity (H₂O = 1):	1.3
Melting Point:	Unknown
Evaporation Rate (BuAc = 1):	Unknown
Volatile Organic Compounds:	Not determined
Solubility in Water:	Low

Appearance and Odor: Light amber liquid, mild odor.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Avoid uncontrolled excess heating over long periods; avoid uncontrolled amine reactions.

Incompatibility (Materials to Avoid): Strong acids and bases, strong oxidizing agents.

Hazardous Decomposition or By-products: Carbon monoxide, carbon dioxide, aldehydes, phenol.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Bisphenol A/Epichlorohydrin

OSHA PEL:	Not established
ACGIH TLV:	Not established
OTHER:	Oral LD ₅₀ >5000 mg/kg Dermal LD ₅₀ >5000 mg/kg

Silica, Amorphous, Fumed, Crystalline Free

OSHA PEL: Not established
ACGIH TLV: Not established
OTHER:

SECTION 12: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with local, state, and federal environmental regulations.

SECTION 13: TRANSPORTATION INFORMATION

SHIPPING NAME	CLASS	UN NUMBER
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Not regulated for shipping.

SECTION 14: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION:

This product contains a toxic chemical or chemicals (as listed below) subject to the reporting requirements of Section 313 Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

CAS NUMBER	CHEMICAL NAME	% BY WEIGHT
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None Listed

TSCA NOTIFICATION:

All components of this product are listed in the Toxic Substance Control Act Chemical Substance Inventory (TSCA).

SECTION 15: OTHER INFORMATION

To the best of our knowledge, the information provided above meets the requirements of the United States Occupational Safety and Health Act and regulations established under 29 CFR 1910.1200 (g)(2)(c)(1)-(4) for a mixture of hazardous chemicals which has not been tested as a whole. The data provided on this Material Safety Data Sheet is from manufacturers of the original components. Vishay Micro-Measurements specifically disclaims any and all form of liability and/or responsibility for the application of this product.