

Material Safety Data Sheet

VPI 150 Conductive Epoxy Part "B"

Complies with OSHA's Hazard Communication Standard CFR 1910.1200

I. Chemical Product and Company Identification

Material Identity

HMIS: H: 2 / F:0 / R: 0 / P: B

Product Code and Name: VPI 150 Conductive Epoxy Part "B"

Product Class: Epoxy Adhesive

DOT Class: not regulated, limited quantity

IATA Class: UN1760 Corrosive liquid, nos, 8, PG II (triethylenetriamine)

Supplier: VPI, LLC
3123 South 9th Street
Sheboygan, WI 53082-0451
1 (800) 874-4240

24 Hour Emergency: ChemTel 1(800)424-9300

Date Prepared: July 21, 2008

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II. Composition/Information on Hazardous Ingredients

<u>Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>%</u>	<u>CAS Number</u>
Polyamine adduct	NE	NE	60-70	proprietary
Triethylenetriamine	NE	NE	5-10	112-24-3
Carbon Black	NE	NE	10-15	1333-86-4
Dimethylaminomethyl - phenol	NE	NE	<5	90-72-2
Polypropylene glycol	NE	NE	10-15	25322-69-4

III. Physical Data

Vapor Density (air = 1): Not determined

Boiling Point: Not determined

Density: 9.08 lbs./gal.

Vapor Pressure: Not determined

Solubility in Water: None

Appearance and odor: Black paste with amine odor

Evaporation Rate (butyl acetate =1): Not determined

V.O.C. 0

% Solids: 95%

IV. Fire and Explosion Hazards

Flash Point (Method Used): 299° F. (C.C.)

Flammable Limits: Not determined

Flammability Classification: **OSHA:** n/a

DOT: n/a

Extinguishing Media: Carbon dioxide, Dry chemical or foam.

Special Fire Fighting Procedures: Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible auto-ignition or explosion when exposed to extreme heat. Fog nozzles are preferred if water is used.

Unusual Fire and Explosion Hazards: Keep containers closed except when in use. Closed containers may explode when exposed to extreme heat. Do not use in vicinity of open flame or sparks. Extinguish all pilot lights and all sources of ignition.

V. Reactivity Data

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Stability: Stable

Conditions to Avoid: Heat and open flame

Incompatibility (Materials to Avoid): Oxidizing materials

Hazardous Decomposition Products: Thermal decomposition may produce carbon monoxide and carbon dioxide, as well as organic compounds of unknown structure.

Hazardous Polymerization: Will not occur.

VI. Health Hazard Data

Threshold Limit Value: See Section II

Effects of Exposure: Chronic: Prolonged or repeated skin contact may be irritation.

Acute: Inhalation of high vapor concentrations may have results ranging from dizziness and headache to unconsciousness, as well as irritation of the respiratory tract. Routes of entry are inhalation and skin. Vapors may irritate eyes, nose & throat.

Emergency and First Aid Procedures: Skin: Wash with soap and water. Eyes: Flush with large amounts of water for 15 minutes Take to physician for definitive medical treatment. Ingestion: Treat symptomatically and contact a physician. Inhalation: If overcome by vapors, remove victim from exposure, restore breathing, keep individual calm. Call a physician.

VII. Precautions for Safe Handling and Use

Steps to be taken in case material is spilled or released: Scrape into containers for disposal.

Waste disposal method: Dispose of according to federal, state and local regulations

Handling and Storage Precautions: Do not store above 120° F. Vapors may ignite explosively. Prevent buildup of vapors. Keep away from heat, sparks, and open flame. Avoid prolonged breathing of vapors and repeated contact with skin.

Transportation Data: See Section I

Other Precautions: Keep out of the reach of children!

VIII. Control Measures

Respiratory Protection: Use only in well ventilated areas. Use NIOSH approved organic vapor cartridge respirator if concentration exceeds TLV.

Ventilation: Use General/Local exhaust to prevent buildup of vapors. Adequate to maintain exposure below TLV.

Protective Gloves: Recommended

Eye Protection: Safety glasses

Hygienic Practices: Good general cleanliness and hygiene. Wash skin and hands after use.

Disclaimer: This Safety Data Sheet was prepared to protect against any reasonable exposure to consumers or employees arising out of the intended use of the product and to provide them with information regarding potential hazards contained in the product. Under varied circumstances the hazardous ingredients may pose a lesser or greater hazard. Because of the scientific data contained in these sheets was obtained from tests performed by agencies other than VPI, the company cannot guarantee its accuracy. VPI makes no warranty of any kind, expressed or implied. The user must assume all risk and liability resulting from reliance on the information contained on this Material Safety Data Sheet and the use of this product, whether used in combination with other products or singly.