

**SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION****Company Address:**8125 Cobb Center Drive  
Kennesaw, GA 30152Product Information: 800-TECH-401  
Customer Service: 800-645-5244Emergency: (Chemtec) 800-424-9300  
Revision Date: February 17, 2010**Product Identification****CIRCUITWORKS® EPOXY OVERCOAT- Part A****Product Code: CW2500 (Part A)****SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Wt. % Range
Bisphenol-A Epoxy resin	25068-38-6	40.0-60.0
Bisphenol-F Epoxy resin	28064-14-4	40.0-60.0
Phthalocyanine Green	7740-22-4	1.0-5.0

**SECTION 3: HAZARDOUS IDENTIFICATION****Emergency Overview:** Green paste with mild odor. This product is nonflammable. Liquid will irritate eyes and skin. Breathing high concentrations may produce headaches and dizziness. Overheating may rupture container.**Potential Health Effects:****Eyes:** Liquid and vapors of this product may cause eye injury which may persist for several days.**Skin:** Contact may cause skin injury (reddening and swelling). Sensitizer - may cause allergic skin reaction.**Ingestion:** Harmful if swallowed. Resin is slightly toxic.**Inhalation:** No specific information available. Heating can generate vapors that could cause headaches, nausea, dizziness and respiratory irritation if inhaled.**Pre-Existing Medical Conditions Aggravated by Exposure:** Heart, lung, eye, skin**SECTION 4: FIRST AID MEASURES****Eyes:** Immediately flush with large amounts of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined by a Physician.**Skin:** Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation develops persists. Wash clothes separately before reuse.**Ingestion:** If appreciable quantities are swallowed, seek medical attention.**Inhalation:** In case of exposure to high concentrations of vapor or mist, remove to fresh air. If breathing is difficult, give oxygen and call a Physician. If breathing has stopped, apply artificial respiration and call a Physician.**SECTION 5: FIRE FIGHTING MEASURES****Flash Point:** > 300°F (Setaflash) **LEL/UEL:** NA (% by volume in air)**Extinguishing Media:** Use carbon dioxide or dry chemicals for small fires, aqueous foam or water for large fires involving this material.**Fire Fighting Instructions:** Remove all ignition sources. As in any fire, wear self-contained breathing apparatus (pressure demand, OSHA/NIOSH approved or equivalent) and full protective gear.**SECTION 6: ACCIDENTAL RELEASE MEASURES****Large Spills:** Remove all sources of ignition (sparks, open flames, etc.). Wear self-contained breathing apparatus and appropriate personal protective equipment. Ventilate area and contain spill by diking and/or absorbing with inert material. Collect spill by scooping up liquids and absorbent material and place in a chemical waste container for proper disposal. Do not flush to sewer. Prevent material from entering storm sewers, ditches that lead to waterways and ground.**Small Spills:** Absorb spill with absorbent material, then place in a chemical waste container for proper disposal.**SECTION 7: HANDLING AND STORAGE**

Avoid prolonged or repeated contact with skin, eyes or clothing. Wash hands before eating. Use with adequate ventilation. Avoid breathing product vapor. Do not reuse this container. Store in a cool dry place, away from heat, sparks or flames.

**KEEP OUT OF REACH OF CHILDREN.****SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION****Exposure Guidelines:**

CHEMICAL NAME	ACGIH TLV	OSHA PEL	ACGIH STEL
Bisphenol-A Epoxy resin	NA	NA	NA
Bisphenol-F Epoxy resin	NA	NA	NA
Phthalocyanine Green	10 mg/m3 dust	NA	NA

**Work/Hygienic Practices:** Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Wear safety glasses with side shields or goggles and rubber or other chemically resistant gloves when handling this material.**NFPA and HMIS Codes:**

	NFPA	HMIS
Health	2	2
Flammability	1	1
Reactivity	0	0
Personal Protection	-	B

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Green Paste  
Odor: Mild  
pH: NA  
Vapor Pressure: <0.1 mmHg @ 20°C  
Percent Volatile: < 0.5%

Solubility in Water: Negligible  
Specific Gravity: 1.2  
Evaporation Rate: <1  
 (Butyl acetate=1)  
Boiling Range: >200°F (>93C)

**SECTION 10: STABILITY AND REACTIVITY**

Stability: Stable under normal conditions.

Conditions to Avoid: Storage above 120°F, exposure to light, loss of dissolved air, loss of polymerization, inhibitor, contamination with incompatible materials.

Incompatibility: Avoid strong oxidizing agents, copper, copper alloys, carbon steel, iron and rust. Avoid strong acids and bases. Also avoid caustics, amines, alkalis and mercaptans.

Products of Decomposition: Carbon monoxide, carbon dioxide, oxides of nitrogen and aldehydes

Hazardous Polymerization: Will not occur.

Conditions to avoid: Polymerization initiators include peroxides, strong oxidizers or bases. Contamination with strong acids, amines or mercaptans. **SECTION 11:**

**TOXICOLOGICAL INFORMATION**

<b>Ingredients</b>	<b>LD50 (rat) Oral</b>	<b>LD50 (rbt) Dermal</b>	<b>LC50 (ppm) (rat) Inhalation</b>
Silver (metallic)	NA	NA	NA
Epoxy Resin	>10,000 mg/kg	>20,000 mg/kg	NA
Modified Epoxy Ester	NA	NA	NA

Cancer Information: No ingredients listed as human carcinogens by NTP or IARC

Reproductive effects: none      Teratogenic effects: none      Mutagenic effects: none

**SECTION 12: ECOLOGICAL INFORMATION****Environmental Impact Information**

Avoid runoff into storm sewers and ditches which lead to waterways. Water runoff can cause environmental damage.

**REPORTING**

US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is: **1-800-424-8802**

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations. Water runoff can cause environmental damage.

**SECTION 14: TRANSPORTATION INFORMATION**Air and Ground Shipments:

Adhesives, sealants  
 Not Regulated

**SECTION 15: REGULATORY INFORMATION****SECTION 313 SUPPLIER NOTIFICATION**

This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

This information should be included on all MSDSs copied and distributed for this material.

**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

All ingredients of this product are listed on the TSCA Inventory.

**WHMIS:** Class D2B

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**SECTION 16: OTHER INFORMATION**

Normal ventilation for standard manufacturing practices is usually adequate. Local exhaust should be used when large amounts are released.

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.