

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Revision Date: April 2, 2007

Product Name: Epoxy Bonding Film
Product Number: 115-2706

Note: This is the same material that is applied to back of all Circuit Frames.

DISTRIBUTOR: CircuitMedic
22 Parkridge Road, Haverhill, MA 01835
PHONE: 978-373-1600, FAX: 978-372-5700

Emergency Response 24-Hour Telephone: **CHEMTREC United States: (800) 424-9300**
International: (703) 527-3887 (collect)

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Section 2. COMPOSITION, INFORMATION OR INGREDIENTS

CHEMICAL	C.A.S. Number	Weight %
Phenol	108-95-2	<1
Dimethyl Acetamide	127-19-5	<1

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):
Exposure Limits 8 Hours TWA (PPM)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Phenol	5ppm	5ppm
Dimethyl Acetamide	10ppm	10ppm

Constituents not listed above are considered non-hazardous as defined in OSH A's Hazard Communication Standard 29 CFR 1910.1200.

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Section 3. HAZARD IDENTIFICATION

Emergency Overview:

Potential Health Effects:

- INHALATION: Headache and nausea possible following excessive overexposure.
- EYES: Irritation.
- SKIN: Phenol component may be absorbed through skin upon prolonged exposure causing irritation.
- INGESTION: Not a likely route of exposure.

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Section 4. FIRST AID MEASURES

- INHALATION: Remove to fresh air - seek medical attention.
- EYE CONTACT: Flush with water for 15 minutes - seek medical attention.
- SKIN CONTACT: Wash with soap and water. Seek medical attention if irritation or rash is present.
- INGESTION: Not a likely route of exposure.

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Section 5. FIRE-FIGHTING MEASURES

- Flash Point & Method: NA
- Flammable Limits: LEL: NA UEL: NA
- Autoignition Temperature: NA
- GENERAL HAZARD: None expected within normal processing.
- FIRE FIGHTING INSTRUCTIONS: Firefighters should wear self-contained breathing apparatus.
- HAZARDOUS COMBUSTION PROD.: NA
- FLAMMABLE PROPERTIES: NA
- EXTINGUISHING MEDIA: Water Fog, Foam, Dry Chemical and CO₂.

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Section 6. ACCIDENTAL RELEASE MEASURES

- LAND SPILL: Normal clean-up.
- NEUTRALIZING AGENT: NA
- REPORTABLE QUANTITY: NA

Section 7. HANDLING AND STORAGE

STORAGE TEMPERATURE: 40°F-70°F

STORAGE PRESSURE: Atmospheric

GENERAL: Store between 40°F-70°F; keep dry.

NOTE 1: Static charge may be produced when handling this material.

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Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:

- Local Exhaust ventilation is required for operations involving heating of material.
 - Mechanical ventilation recommended.
 - Use explosion proof ventilation equipment.
 - Do not use in confined spaces without mechanical ventilation equipment.
- See section 2 for component exposure guidelines.

Personal Protection:

RESPIRATOR: None required with normal use.

HAND PROTECTION: Protective Gloves Recommended (use one of the following)
 Nitrile Butyl Any impervious protective glove

EYE PROTECTION: Safety Glasses w/Side Shields

OTHER RECOMMEND.: NA

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Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Density.....	Varies w/construction	pH.....	NA
Boiling Point.....	NA	% Volatile By Volume.....	NA
Freezing Point.....	NA	% Solids.....	NA
Vapor Density (Air = 1).....	NA	Evaporation Rate (BuAc = 1).....	NA
Solubility in Water.....	Negligible	Viscosity.....	NA
Molecular Weight.....	NA	Physical State.....	Solid
Non-Exempt VOC (g/L).....	NA	Odor.....	
Phenolic			
Appearance: Yellow Clear Sheet		Vapor Pressure(mmHg).....	NA

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Section 10. STABILITY AND REACTIVITY

GENERAL: Stable.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Temperatures above 400°C (752°F) without adequate ventilation.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO, CO₂ and nitrogen oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11. TOXICOLOGICAL INFORMATION

RESULTS OF COMPONENT TOXICITY TEST PERFORMED: Information not available.

HUMAN EXPERIENCE: Information not available.

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Section 12. ECOLOGICAL INFORMATION

FURTHER INFORMATION: Information not available.

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Section 13. DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 Classification:

Federal, State, and Local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

WASTE DISPOSAL METHOD: Landfill or incinerate in accordance with all local, state and federal regulations.

Section 14. TRANSPORT INFORMATION

DOT, IATA, ICAO, and IMO Description:

Basic Description: NA
 Proper Shipping Name: NA
 Hazard Class: NA
 Packaging Group: NA
 UN Number: NA
 Label Requirements: NA
 Max. Shippable Qty.: NA
 Packaging: NA
 Reportable Quantity (RQ): NA
 1996 NAERG Guide#: NA
 Limitations: NA

Section 15. REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

MSDS complies with OSHA's Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/SUPERFUND, 40 CFR 117, 302:

--- None of the chemicals are Superfund hazards ---

SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986 TITLE III Sections 302, 311, 312 and 313:

Section 302 - Extremely hazardous substances (40 CFR 355)

--- None of the chemicals are Section 302 hazards ---

Section 311/312 - Material Safety Data Sheet Requirements (40 CFR 370)

By our hazard evaluation, this product is non-hazardous

By our hazard evaluation, this product is hazardous. It should be reported under the following EPA hazard:

- Immediate (acute) health hazard
- Delayed (chronic) chronic health hazard
- Sudden release of pressure hazard
- Reactive Hazard

Section 313 - List of Toxic Chemicals (40 CFC 372)

This product contains the following chemicals (at levels of 1% or greater) which are found on the 313 list of Toxic Chemicals

<u>CHEMICAL</u>	<u>C.A.S. Number</u>	<u>Weight %</u>
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TOXIC SUBSTANCE CONTROL ACT (TSCA): --- No Information ---

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA 40 CFR 261) Subpart C&D:

Refer to Section 11. for RCRA classification.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15 (FORMERLY SECTION 307), 40 CFR 116 (FORMERLY SECTION 311)

This product contains the following chemicals which are listed:

<u>CHEMICAL</u>	<u>C.A.S. Number</u>	<u>Weight %</u>
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CLEAN AIR ACT: --- No Information ---

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

This product contains the following ingredients which appear on the California proposition 65 list: CHEMICAL

<u>C.A.S. Number</u>	<u>Weight %</u>
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INTERNATIONAL REGULATIONS:

CANADA WHIMS: NA

EUROPE EINECS NUMBERS: NA

Section 16. OTHER INFORMATION

LABEL INFORMATION:

European risk and Safety Phrases: NA

European Symbols Needed: NA

Canadian WHIMS Symbols: NA

NFPA HAZARD RATING:

(1) Flammability (1) Health (1) Reactivity

REVISION DATES, SECTIONS, REVISED BY:

08-OCTOBER-98, J. FORBES

ABBREVIATIONS USED IN THIS DOCUMENT:

NE - Not Established, NA - Not Applicable/Not Available, NIF - No Information Found

REFERENCES:

- Code of Federal Regulations (CFR)
- The Sigma-Aldrich Library of Regulatory and Safety Data
- Chemical Guide and OSHA Hazard Communication Standard
- Various Federal, State & Local Regulations

To the best of our knowledge, the information contained herein is accurate. However, neither Circuit Repair Corporation or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.