SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Company Address:
8125 Cobb Center Drive
Kennesaw, GA 30152

Product Information: 800-TECH-401
Emergency: (Chemetrec) 800-424-9300
Customer Service: 800-645-5244
Revision Date: March 28, 2012

Product Identification

CIRCUITWORKS® OVERCOAT PEN

Product Code: CW3300C, CW3300G, CW3300B, CW3300BLACK

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name | CAS No. | Wt. % Range
--- | --- | ---
Propylene Glycol Methyl Ether Acetate | 108-65-6 | 20.0-40.0
n-propyl acetate | 109-60-4 | 15.0-25.0
Methyl ethyl ketone | 78-93-3 | 10.0-20.0
Acrylic Resin | mixture | 25.0-35.0

SECTION 3: HAZARDOUS IDENTIFICATION

Emergency Overview: Clear, green, or blue colored paint with an aromatic hydrocarbon odor. This product is flammable. Liquid will irritate eyes and skin. Breathing high concentrations of product may produce dizziness, headache, nausea, vomiting and unconsciousness.

Potential Health Effects:

Eyes: Vapors of this product may irritate the eyes. Liquid is irritating and potentially damaging.
Skin: Contact may cause irritation and dry skin.
Ingestion: Harmful if swallowed. May cause nausea, vomiting, headache, weakness, and drowsiness.
Inhalation: Harmful if inhaled. High concentrations of vapor may cause headache, dizziness, nausea, vomiting and unconsciousness.

Pre-Existing Medical Conditions Aggravated by Exposure: 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 if irritation develops or persists.
Skin: Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.
Ingestion: If swallowed, give two or more glasses of water immediately. DO NOT induce vomiting. Get 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: 30°F (-1°C)
Extinguishing Media: Use alcohol foam, water foam, carbon dioxide, dry chemical, or water spray. Water may not be effective in fighting the fire but can be used to cool overheated areas. Care must be taken to not spread the fire.

Fire Fighting Instructions: Remove all ignition sources. Use water spray to cool overheated containers. Take care not the spread fire with water. Solvent vapors are an explosion hazard. 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 and absorb spill 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 container tightly closed when not in use. Do not store in direct sunlight.

KEEP OUT OF REACH OF CHILDREN.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>ACGIH STEL</th>
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<tbody>
<tr>
<td>Propylene Glycol Methyl Ether Acetate</td>
<td>NA</td>
<td>200 ppm</td>
<td>NA</td>
</tr>
<tr>
<td>n-propyl acetate</td>
<td>200 ppm</td>
<td>200 ppm</td>
<td>250 ppm</td>
</tr>
<tr>
<td>Methyl ethyl ketone</td>
<td>NA</td>
<td>300 ppm</td>
<td>NA</td>
</tr>
<tr>
<td>Acrylic Resin</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
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</table>

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. If vapor concentration exceeds TLV, use NIOSH approved organic vapor cartridge respirator. Wear safety glasses with side shields or goggles and rubber or other chemically resistant gloves when handling this material.

NFPA and HMIS Codes:

<table>
<thead>
<tr>
<th></th>
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<th>HMIS</th>
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<tbody>
<tr>
<td>Health</td>
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</tr>
<tr>
<td>Flammability</td>
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<tr>
<td>Reactivity</td>
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<td>1</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>-</td>
<td>B</td>
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</table>
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear, green or blue colored paint
Odor: Characteristic
pH: NA
Vapor Pressure: 78 mmHg @ 20°C
Vapor Density: >1 (Air = 1)
Solubility in Water: Appreciable
Specific Gravity: 0.9
Evaporation Rate: >1 (Butyl acetate=1)
Boiling Range: 175-284°F (79 – 140°C)
Percent Volatile: 70%

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable. Conditions to Avoid: Avoid heat, sparks, open flame and strong oxidizing conditions.
Incompatibility: Do not mix strong oxidizers, mineral and organic acids, bases, caustics, amines and alkali contamination.
Products of Decomposition: Decomposition may release carbon monoxide, carbon dioxide, oxides of nitrogen monomers and smoke. Depending on conditions, some highly reactive peroxides may be formed.
Hazardous Polymerization: Will not occur.
Conditions to avoid: NA

SECTION 11: TOXICOLOGICAL INFORMATION

LD50 LD50 LC50
Ingredients (rat) Oral (rbi) Dermal (rat) Inhalation
Propylene Glycol Methyl Ether Acetate 8532 mg/kg >5000 mg/kg >4300 ppm
n-propyl acetate 9300 mg/kg 5000 mg/24H MLD NA
Methyl ethyl ketone 2700 mg/kg 5000 mg/24H MLD 5000 ppm/4H
Acrylic Resin 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

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Class</th>
<th>Sub. Risk</th>
<th>Pkg. Group</th>
<th>Hazard Label</th>
<th>Pkg. Instr.</th>
<th>Max. Quantity</th>
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<tr>
<td>Air: Paint ORM-D</td>
<td>UN1263</td>
<td>3</td>
<td>-</td>
<td>I</td>
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<td>305</td>
<td>1 L</td>
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<td>Ground: Consumer Commodity ORM-D</td>
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<td>ORM-D</td>
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<td>ORM-D</td>
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SECTION 15: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION
This product contains no toxic 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 B2: Class D2B

SECTION 16: OTHER INFORMATION
Note: This MSDS is applicable to date codes of 2196 and later.
Normal ventilation for standard manufacturing practices is usually adequate. Local exhaust should be used when large amounts are released.

http://www.techni-tool.com