SECTION I - IDENTIFICATION

PRODUCT NAME: Unplug
PRODUCT CODE: 5140/5150
PRODUCT USE: Contact and Circuit Board cleaner
COMPANY NAME: QuestVapco Corporation
COMPANY ADDRESS: PO Box 624 Brenham, TX 77834
COMPANY PHONE: 1-800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1
Dissolved Gas
Skin Irritant: Category 2
Eye Irritant: Category 2b
Specific Target Organ Toxicity (Single Exposure): Category 3
Aspiration Hazard: Category 1

HAZARD STATEMENT(S): DANGER: Extremely Flammable Aerosol   Contains gas under pressure; May explode if heated.   Causes eye and skin irritation.   May cause drowsiness and dizziness.   May be fatal if swallowed and enters airways.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking.  Do not spray on an open flame or other ignition source.  Pressurized container: Do not pierce or burn, even after use.  Protect from sunlight.  Do not expose to temperatures exceeding 50C/120F.  Store in a well-ventilated place.  Wash hands thoroughly after handling.  Wear protective gloves.
If on skin: Wash with plenty of water.  If skin irritation occurs: Get medical attention.  Take off contaminated clothing and wash before reuse.  If in eyes: Rinse cautiously with water for several minutes.  Remove contact lenses, if present and easy to do.  Continue rinsing.  If eye irritation persists: Get medical attention.  Avoid breathing fumes, mist, vapors, and spray.  Use only outdoors or in a well-ventilated area.  If inhaled: Remove person to fresh air and keep comfortable for breathing.  Call a poison center or doctor if you feel unwell.  If swallowed: Immediately call a poison center or doctor.  Do NOT induce vomiting.  Store locked up.  Dispose of contents and container in accordance with local, state, and national regulations.

SYMBOL: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>7-13%</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Heptane</td>
<td>142-82-5</td>
<td>80-90%</td>
</tr>
</tbody>
</table>

SECTION IV - FIRST AID MEASURES

EYES: If in eyes: Rinse cautiously with water for several minutes.  Remove contact lenses, if present and easy to do.  Continue rinsing.  If eye irritation persists: Get medical advice or attention.

INGESTION: If swallowed: Rinse mouth.  Do NOT induce vomiting.  Get medical advice or attention.

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing.  Call a poison center or doctor if you feel unwell.

SKIN: If on skin: Wash with plenty of water.  If skin irritation occurs: get medical attention.

ACUTE HEALTH HAZARDS: Defatting of skin, dermatitis, blurred vision, and abdominal irritation.

CHRONIC HEALTH HAZARDS: None known

NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.  Treat appropriately.
SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, and foam.
UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.
SPILL: Clean up with non-combustible material like vermiculite, sand or earth. If many cans are opened remove ignition sources.
Prevent spill from entering sewers, storm drains, and natural waterways.
WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.
RCRA STATUS: Waste likely considered D001, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container:
Do not pierce or burn, even after use.
OTHER PRECAUTIONS: Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warning and precautions listed for the product.
INCOMPATIBILITY: Strong alkalis, strong oxidizing agents, some plastics, rubber.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT</th>
<th>OSHA PEL</th>
<th>ACGIHTLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>500ppm</td>
<td>400ppm</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>5000ppm</td>
<td>5000ppm</td>
</tr>
<tr>
<td>Heptane</td>
<td>500 ppm</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

ENGINEERING CONTROLS / VENTILATION: Use only in well ventilated areas.
RESPIRATORY PROTECTION: Not required with adequate ventilation
PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves
ADDITIONAL MEASURES: Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Liquid
ODOR: Mild odor
ODOR THRESHOLD: N/D
BOILING POINT: Unknown
FREEZING POINT: N/D
FLAMMABILITY: Extremely Flammable Aerosol
FLASH POINT: N/D
AUTOIGNITION TEMPERATURE: N/D
LOWER FLAMMABILITY LIMIT: N/D
UPPER FLAMMABILITY LIMIT: N/D
VAPOR PRESSURE (mm Hg): 124
VAPOR DENSITY (AIR=1): >2
EVAPORATION RATE: >2.5
SPECIFIC GRAVITY (H2O=1): .71
**pH:** N/A  
**SOLIDS (%):** N/D  
**SOLUBILITY IN WATER:** Non-soluble  
**PARTITION COEFFICIENT: n-OCTANOL/WATER (Kow):** N/D  
**VOLATILITY INCLUDING WATER (%):** 100%  
**VOLATILE ORGANIC COMPOUNDS (VOC):** 97%  
**DIELECTRIC STRENGTH (Volts):** 25,000 Volts  
**DECOMPOSITION TEMPERATURE:** N/D  
**VISCOSITY:** N/A

### SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** If exposed to strong oxidizers, presents explosion hazard.  
**CHEMICAL STABILITY:** Stable  
**CONDITIONS TO AVOID:** Sources of ignition.  
**INCOMPATIBILITY:** Strong alkalis, strong oxidizing agents, some plastics, rubber.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon  
**POSSIBLE HAZARDOUS REACTIONS:** Will not occur

### SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:**  
- **Heptane** (142-82-5)  
  - LD50 (Oral, Rat) 15,000 mg/kg; LC50 (Inhalation, Rat, 4hr) 103 g/m3;  
  - LD50 (Dermal, Rabbit) 2,000 mg/kg  
- **Isopropyl Alcohol** (67-63-0)  
  - LD50 (Oral, Rat) 5045 mg/kg; LD50 (Oral, Rabbit) 5045 mg/kg; LD50 (Dermal, Rabbit) 12800 mg/kg; LC50 (Inhalation, Rat, 8hr) 16000 ppm  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** Causes irritation, blurred vision.  
**INGESTION:** Causes gastrointestinal irritation.  
**INHALATION:** Causes mild irritation to the respiratory tract.  
**SKIN:** Causes localized defatting, irritation.  
**MEDICAL CONDITION AGGRAVATED:** None known  
**ACUTE HEALTH HAZARDS:** Defatting of skin, dermatitis, blurred vision, and abdominal irritation.  
**CHRONIC HEALTH HAZARDS:** None known  
**CARCINOGENICITY:** OSHA: No  
  - ACGIH: No  
  - NTP: No  
  - IARC: No  
  - OTHER: N/A

### SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:**  
- **Isopropyl Alcohol** (67-63-0)  
  - LC50 (Fathead Minnow, 96 hrs) 100,000 mg/L  
**BIODEGRADABILITY:** Component or components of this product are not biodegradable.  
**BIOACCUMULATION:** Components in this mixture can bioaccumulate in aquatic organisms.  
**SOIL MOBILITY:** This product is mobile in soil.  
**OTHER ECOLOGICAL HAZARDS:** N/A

### SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.  
**RCRA STATUS:** Waste likely considered D001, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**PACKAGING GROUP:** N/A

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950

SHIPPING BY WATER:
VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
ENVIRONMENTAL HAZARDS WATER: None

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None
SARA 311/312 HAZARD CATEGORIES: None
SARA 313 REPORTABLE INGREDIENTS: Isopropyl Alcohol (67-63-0)
STATE REGULATIONS: California Proposition 65: None  Heptane (142-82-5) California Director's List of Hazardous Substances, Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, New Jersey RTK, Massachusetts RTK, Minnesota RTK, Pennsylvania RTK, Rhode Island RTK
INTERNATIONAL REGULATIONS: All components are listed or exempted.
NFPA HEALTH: 1  HMIS HEALTH: 1
NFPA FLAMMABILITY: 3  HMIS FLAMMABILITY: 3
NFPA REACTIVITY: 1  HMIS REACTIVITY: 1
NFPA OTHER: None  HMIS PROTECTION: B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis
DATE PREPARED: 7/17/2013
REVISION DATE: 10/15/2014

N/A = Not Applicable; N/D = Not Determined

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