**COPALITE**

**MATERIAL SAFETY DATA SHEET**

**SECTION I - PRODUCT IDENTIFICATION AND USE**

<table>
<thead>
<tr>
<th>Manufacturer's Name:</th>
<th>Information Telephone Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>COOLEY &amp; COOLEY, LTD.</td>
<td>281-897-0009</td>
</tr>
<tr>
<td>8550 WESTLAND WEST BLVD. HOUSTON, TX 77041 U.S.A.</td>
<td>1-800-535-5053 (USA) (INFOTRAC) 1-352-323-3500 (International) (FOR CHEMICAL EMERGENCY ONLY)</td>
</tr>
</tbody>
</table>

**SECTION II**

**Hazardous Components**

<table>
<thead>
<tr>
<th>CAS#</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>WHMIS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ETHER ANYDROUS 29-7</td>
<td>60-</td>
<td>400PPM</td>
<td>400PPM</td>
<td>Class B</td>
</tr>
<tr>
<td>CHLOROFORM 66-3</td>
<td>67-</td>
<td>50PPM</td>
<td>50PPM</td>
<td>Class D/Div.1</td>
</tr>
</tbody>
</table>

**FLAMMABLE LIQUIDS N.O.S., Class #3, Packing Group II, UN#1993 Health: 2-Hazardous**

**Specific Hazard:** Blank

**Fire:** 4-Store below 73°F

**Reactivity:** 1-Unstable if heated

**Solvent:**

COPALITE® SOLVENT/THINNER

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Boiling Point:</th>
<th>Specific Gravity (H2O-1):</th>
</tr>
</thead>
<tbody>
<tr>
<td>34°C ± 4°C</td>
<td>1.474 – 1.478</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vapor Pressure (mm Hg.):</th>
<th>Melting Point:</th>
<th>Vapor Density (Air=1):</th>
<th>Evaporation Rate:</th>
</tr>
</thead>
<tbody>
<tr>
<td>760MM</td>
<td>N/A LIQUID FORM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solubility in Water:</th>
<th>Appearance and Odor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSOLUBLE</td>
<td>AMBER COLOR; SWEET ODOR</td>
</tr>
</tbody>
</table>

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<table>
<thead>
<tr>
<th>Flash Point (Method used):</th>
<th>Flammable Limits:</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F X 5°F ASTM TAG OPEN CUP (32°C)</td>
<td></td>
<td>65°F</td>
<td>75°F</td>
</tr>
</tbody>
</table>

**Extinguishing Media:**

**FIRE EXTINGUISHER A, B & C CLASSIFICATION**

**Special Fire Fighting Procedures:**

**PUT ON GAS MASK. AIM THE FIRE EXTINGUISHER AT THE BASE OF THE FLAME.**

**Unusual Fire and Explosion Hazards:**

**ETHER IS VOLATILE. CO2 AND CO ARE GASES PRODUCED DURING A HIGH HEAT FIRE. GAS MASK AND FIRE EXTINGUISHER ARE NECESSARY TO PUT OUT FIRE.**
### SECTION V - REACTIVITY DATA

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ABOVE 75°F</td>
<td>AVOID EXCESSIVE EXPOSURE TO HIGH HEAT/FLAMES.</td>
</tr>
<tr>
<td></td>
<td>65°F</td>
<td></td>
</tr>
</tbody>
</table>

**Incompatibility (Materials to Avoid):**
- WATER
- CHLOROFORM

### SECTION VI - HEALTH HAZARD DATA

**Route(s) of Entry:**
- Inhalation? | X |
- Skin? | X |
- Ingestion? | X |

**Health Hazards (Acute & Chronic):**
- INHALATION: ACUTE DIFFICULTY IN BREATHING, CHRONIC LUNG DISEASE PERSONS SHOULD LIMIT EXPOSURE.
- SKIN: ACUTE - CLEAN AREA WITH ISOPROPYL ALCOHOL; CHRONIC - UNKNOWN.
- INGESTION: INDUCE VOMITING WITH IPECAC SYRUP ACCORDING TO DIRECTIONS.

**Carcinogenicity:**
- NTP? | |
- IARC Monographs? | |
- OSHA Regulated? | YES |

**Signs and Symptoms of Exposure:**
- CHLOROFORM IS A KNOWN CARCINOGEN TO LABORATORY RATS IN EXTREME CASES.

**Medical Conditions Generally Aggravated by Exposure:**
- DISEASES OF THE LUNGS, EMPHYSEMA, ASTHMA, TUBERCULOSIS, PNEUMONIA, PLEURASY.

**Emergency and First Aid Procedures:**
- VENTILATE AREA. MOVE PERSON(S) TO FRESH AIR.
- EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES, OR USE EYEWASH, AND CALL AN OPHTHALMOLOGIST.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released or Spilled:**
- SPILLS: VENTILATE AREA, CLEAN AREA UP WITH ISOPROPYL ALCOHOL.
- RELEASE OF FUMES: REMOVE ALL PERSONS, VENTILATE AREA UNTIL AROMA DISSIPATES.

**Waste Disposal Method:**
- DISPOSE AS HAZARDOUS MATERIAL, BY INCINERATION ACCORDING TO OSHA REGULATIONS.

**Precautions To Be Taken In Handling and Storing:**
- DUE TO EVAPORATION, KEEP BOTTLE TIGHTLY CAPPED WHEN NOT IN USE.
- CLEAN EXCESS FROM INSTRUMENTS WITH ALCOHOL; STORE IN A COOL, DRY PLACE.

**Other Precautions:**
- THIS PRODUCT IS FOR PROFESSIONAL USE ONLY AS STATED IN THE DIRECTIONS.
- IT IS THE RESPONSIBILITY OF THE DENTIST TO TRAIN HIS AUXILIARY PERSONNEL IN THE SAFE USE, STORAGE AND FIRST AID PROCEDURES.
SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? Skin? Ingestion?
X X X

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SKIN: ACUTE - CLEAN AREA WITH ISOPROPYL ALCOHOL; CHRONIC - UNKNOWN.

INGESTION: INDUCE VOMITING WITH IPECAC SYRUP ACCORDING TO DIRECTIONS.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure:

CHLOROFORM IS A KNOWN CARCINOGEN TO LABORATORY RATS IN EXTREME CASES.

Signs and Symptoms of Exposure:

DIFFICULTY IN BREATHING, TIGHTNESS IN CHEST DUE TO CONSTRUCTION OF BRONCHIOLES.

Medical Conditions Generally Aggravated by Exposure:

DISEASES OF THE LUNGS, EMPHYSEMA, ASTHMA, TUBERCULOSIS, PNEUMONIA, PLEURASY.

Emergency and First Aid Procedures:

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SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type):

RESPIRATOR OR MASK USED FOR PROTECTION AGAINST ORGANIC VAPORS.

Ventilation:

Local Exhaust: Special:

OPEN WINDOWS, EXHAUST FANS EXIT AREA

Mechanical (General):

VENT HOODS (INDUSTRIAL TYPE)

Protective Gloves:

LATEX SAFETY GLASSES/GOGGLES

Eye Protection:

Other Protective Clothing or Equipment:

LAB COAT

<table>
<thead>
<tr>
<th>Work/Hygiene Practices</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAINTAIN ASEPSIS WHILE USING COPALITE®. USE A STERILE APPLICATOR AND COTTON FOR SECOND APPLICATION.</td>
</tr>
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