

MATERIAL SAFETY DATA SHEET  
OSHA HAZARD COMMUNICATION STANDARD  
29 CFR 1910.1200

Identity (As Used on Label and List):  
**COPALITE® DENTAL CAVITY VARNISH**

Manufacturer's Product:  
4000-01

**SECTION I - PRODUCT IDENTIFICATION AND USE**

Manufacturer's Name:  
**COOLEY & COOLEY, LTD.**  
Address (Number, Street, City, State Zip Code, and Country):  
**8550 WESTLAND WEST BLVD.  
HOUSTON, TX 77041  
U.S.A.**

Information Telephone Number:  
**713-897-0009**  
Emergency Telephone Number:  
**1-800-535-5053 (USA) (INFOTRAC)  
1-352-323-3500 (International)  
(FOR CHEMICAL EMERGENCY ONLY)**

**SECTION II**

Hazardous Components  
(Specific Chemical Identity: Common Name(s):  
Blended Ingredients:  
**ETHYL ETHER ANYDROUS  
CHLOROFORM  
FLAMMABLE LIQUIDS N.O.S.  
CLASS #3 UN #1993**

OSHA PEL	ACGIH TLV	Other	%
400PPM	400PPM		
50PPM	50PPM		

Solvent:  
**COPALITE® SOLVENT/THINNER**

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point:  
**62.83°C ± 4°C**  
Vapor Pressure (mm Hg.):  
**760MM**  
Vapor Density (Air=1):  
**25% 1.471**  
Solubility in Water:  
**INSOLUBLE**

Specific Gravity (H2O-1):  
**1-1.474 - 1.478**  
Melting Point:  
**N/A LIQUID FORM**  
Evaporation Rate:  
**(BUTYL ACETATE=1) 2.2**  
Appearance and Odor:  
**AMBER COLOR; SWEET ODOR**

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

Flash Point (Method used):  
**75°F x 5°F ASTM TAG OPEN CUP**

Flammable Limits:  
**LEL 65°F UEL 75°F**

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**

Stability: Unstable: **ABOVE 75°F** Conditions to Avoid: **AVOID EXCESSIVE EXPOSURE TO HIGH HEAT/FLAMES.**  
Stable: **65°F**

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

Hazardous Decomposition or Byproducts:  
**CHLOROFORM**

Hazardous Polymerization: May Occur: **X** Will Not Occur: **X** Conditions to Avoid:  
**MELTS SOFT PLASTIC MATERIAL. WILL NOT MELT OR SOFTEN HARDER GRADE PLASTICS**

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**SECTION VI - HEALTH HAZARD DATA**

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

Signs and Symptoms of Exposure:

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

Medical Conditions Generally Aggravated by Exposure:

DISEASES OF THE LUNGS, EMPHYSEMA, ASTHMA, TUBERCULOSIS, PHUEMONIA, 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:

~~RELEASE OF FUMES: REMOVE ALL PERSONS, VENTILATE AREA UNTIL AROMA DISSIPATES.~~  
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 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): | Other:  
VENT HOODS (INDUSTRIAL TYPE) |

Protective Gloves:

LATEX

Eye Protection:

SAFETY GLASSES/GOGGLES

Other Protective Clothing or Equipment:

LAB COAT

Work/Hygienic Practices:

MAINTAIN ASEPSIS WHILE USING COPALITE®. USE A STERILE APPLICATOR AND COTTON FOR SECOND APPLICATION.