

# MATERIAL SAFETY DATA SHEET

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**SECTION I - Product/ Company Identification**

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Product Trade Name: **COPAL CAVITY VARNISH & SEALANT; SOLVENT**  
Part (Item) Number(s): 407-000-001; 407-0101-001; 407-0201-001  
Manufacturer Name: DENTAL TECHNOLOGIES, INC.  
Address: 6901 N. HAMLIN AVENUE  
City State Zip: LINCOLNWOOD, IL 60712 U.S.A.  
Emergency Telephone Number: (800) 424-9300 / (703) 527-3887 (Chemtrec)  
Information Telephone Number: (800) 835-0885 / (847) 677-5500  
Date Revised: 11-Dec-2006 REV No. 001

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**SECTION II - Hazardous Ingredients/Identity Information**

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<b>Hazardous Components:</b>	<b>Concentration</b>	<b>CAS NO.</b>	<b>Hazard Code</b>	<b>Risk code</b>
Diethyl Ether	40 - 50 %	[60-29-7]	X	R 12, 22, 66, 67
Acetone	40 - 50 %	[67-64-1]	X	R 12

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**SECTION III - Hazards Identification**

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HAZARD CLASSIFICATION Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful if inhaled or swallowed

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**SECTION IV - First Aid Measures**

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Skin: Immediately wash skin with plenty of water. Remove contaminated clothing. If irritation persists seek medical help.  
Ingestion: Do not induce vomiting. Call physician immediately or call poison control.  
Eyes: Flush eyes with water for 15 minutes. Get medical attention.  
Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and continue monitoring. Get medical attention.

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**SECTION V - Fire-fighting Measures.**

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Suitable extinguishing Media: Dry chemical, foam, carbon dioxide, water spray to keep containers cool.  
Special Fire Fighting Procedures: Wear protective clothing and NIOSH approved self-contained breathing apparatus.  
Unusual fire and explosion hazards: Emits toxic fumes under fire conditions. Do not breathe vapors. Heavier-than-air vapors can flow along floor surfaces to distant ignition sources and flash back. Prevent spreading of vapors.  
Special Protection Equipment: Wear protective clothing and NIOSH approved self-contained breathing apparatus.

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**SECTION VI - Accidental release measures**

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Personal Precautions: Evacuate personnel. Prevent ignition, and ventilate area. Use appropriate personal protective equipment, see Section VIII.  
Environmental Precautions: Stop leak. Do not let spilled material reach the sewer or any waterway.  
Methods for Cleaning up: Contain spilled liquid with sand, earth or other non-combustible absorbent materials. Do not use combustible materials such as sawdust. Dispose absorbed waste in accordance with all federal, state and local regulations. After pick up wash contaminated area with water.

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**SECTION VII - Handling and Storage**

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Handling: Use only in well ventilated area. Avoid contact with this material. Avoid breathing vapor, mist, or gas. Wash hands thoroughly after handling.

Storage: Store in cool, dry, ventilated area. Protect from physical damage. Keep away from heat, sparks and flame. Maintain adequate ventilation. Avoid long-term storage. Discard material if shelf life has expired.

Containers: Keep containers tightly closed . Empty containers will retain residue and flammable vapors.

Incompatibilities: Oxidizing agents, peroxides, bromine, chlorine, iodine, sulfur, thioglycol, halogen acids

Other Precautions: Bulk quantities must be stored in flame-proof safety cabinets.

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**SECTION VIII - Exposure Controls / Personal Protection.**

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Permissible Exposure Limits:	OSHA-PEL		ACGIH-TLV (Threshold Limit Value)		NIOSH	
	TWA	TWA	TWA	STEL	TWA	TWA
Acetone	1000 ppm	2400 mg/m <sup>3</sup>	500 ppm	750 ppm	250 ppm	590 mg/m <sup>3</sup>
Ether	400 ppm	1200 mg/m <sup>3</sup>	400 ppm	500 ppm	1900 ppm	

General Protective Measures: Avoid prolonged or repeated exposure.

General ventilation: Ventilation is required when using this product.

Respiratory protection: Concentration in air determines level or respiratory protection needed. Use only NIOSH certified respiratory equipment.

Hands Protection: Neoprene or natural rubber gloves are recommended to protect against contact with product

Eye Protection: Splash proof chemical goggles or full face shield recommended to protect against splash of product.

Skin Protection: Full-body apron covering the clothing.

Other Equipment: Facilities storing and utilizing large quantities should be equipped with eye wash and safety shower.

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**SECTION IX - Physical and Chemical Properties.**

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Appearance: Liquid

Color: Pale to light yellow

Odor: Sweet aromatic odor

Vapor Pressure: NE

Boiling Point: NE

Explosion Limits: NE

Flash Point: NE

Water solubility: NE

Specific Gravity: NE

Evaporation Rate: NE

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**SECTION X - Stability and Reactivity.**

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Stability: Stable

Conditions to avoid: Avoid heat, sparks and open flame.

Materials to avoid: Oxidizing agents, peroxides, bromine, chlorine, iodine, sulfur, thioglycol

Hazardous Decomposition Products: Combustion may produce oxides of carbon

Hazardous Polymerization Products: Will not polymerize

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**SECTION XI - Toxicological Information.**

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Ingestion:	May be harmful or fatal if swallowed
Eyes	Contact with eyes can cause moderate to severe irritation, redness, pain, swelling, itching, permanent eye damage.
Skin Contact:	Moderately irritating to skin. Prolonged contact can result in defatting and drying
Inhalation:	May be harmful by inhalation.
Prolonged exposure:	May cause liver damage

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**SECTION XII - Ecological Information.**

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This product is not expected to persist in the environment.

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**SECTION XIII - Disposal Considerations.**

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This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer. Follow federal, state and local regulations.

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**SECTION XIV - Transport Information.**

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	Land (DOT)	International (Water, I.M.O.)	Air (IATA)
Proper Shipping Name	Ethers, n.o.s.	Ethers, n.o.s.	Ethers, n.o.s.
UN No.	3271	3271	3271
Hazard Class	3	3	3
Packing Group	II	II	II
Transport category	2	2	
EMS No.	2.0-06	2.0-06	
ERG Code (Emergency Response Guide)	3L	3L	3L

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**SECTION XV - Regulatory Information**

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**CLASSIFICATION IN ACCORDANCE WITH EEC DIRECTIVES.**

Hazard Classification Symbol:	Xn,	Harmful
Risk phrases	R12	Extremely Flammable
	R36	Irritating to eyes
	R66	Repeated exposure may cause skin dryness or cracking
	R67	Vapors may cause drowsiness and dizziness
Safety phrases	S9	Keep container in well-ventilated place
	S16	Keep away from sources of ignition
	S28	Handle and open container with care
Ingredients Determining the label:	Diethyl ether	

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**SECTION XVI - Other Information**

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	NFPA Hazard Classification	HMIS Hazard
Health	<b>1</b>	<b>1</b>
Flammability	<b>3</b>	<b>3</b>
Reactivity	<b>0</b>	<b>0</b>
Specific Hazard / PPE		<b>D</b>

- NFPA - National Fire Protection Association  
HMIS - Hazardous Materials Identification System  
N/A - Not Applicable  
N/E - Not Established  
N/D - Not Determined

**Hazard Ratings:**

- 0 Least  
1 Slight  
2 Moderate  
3 High  
4 Extreme

**CAUTION: PRODUCT FOR PROFESSIONAL USE ONLY.**

The above information is based on presently available data and to our best knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility.