

**MATERIALS SAFETY DATA SHEET: ORTHO-CHOICE ORTHO-COAT™**

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**IDENTITY** Trade Name: ORTHO-CHOICE ORTHO-COAT™ Code: OC  
Chemical Description: Light-cured, reinforced resin with no Bisphenol A  
Product Use: Dental material

**SECTION I**

Pulpdent Corporation  
80 Oakland Street  
Watertown, MA 02472 USA

Phone Numbers:  
24 Hour Emergency: 1-800-535-5053  
Customer Service: 1-800-343-4342 / 1-617-926-6666

Date Prepared: September 1, 2008

**SECTION II - HAZARDOUS INGREDIENTS**

Ingredients	CAS Number	Percentage	PEL / TLV
Uncured acrylate resins	-----	-----	Not established
Silica, amorphous	112945-52-5	< 1.0 %	6 mg/m <sup>3</sup> / 10 mg/m <sup>3</sup>
Hydrofluoric acid	7664-39-3	0.3 %	3 ppm

DOT HAZARD CLASSIFICATION: Not regulated

WHMIS CLASSIFICATION: D-2, Possible irritant

NFPA HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

Solubility in water: Slight Odor Threshold: Not available  
Appearance: Clear resin Odor: Mild, characteristic, resin odor

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

Flash Point: Not established Flammable limits: Not established

Extinguishing Media: Use carbon dioxide, dry chemical, alcohol foam or water fog. Water spray may be used to keep fire exposed containers cool.

Special Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire fighting personnel. Cool exposed containers with water spray to prevent polymerization under fire conditions.

Hazardous Combustion Products: Hazardous polymerization with heat build up and release of carbon monoxide, carbon dioxide and oxides of nitrogen may occur under fire conditions.

**SECTION V - REACTIVITY DATA**

Stability: Stable

Conditions to avoid: Temperature > 100°F, direct sunlight, strong visible light.

Incompatibility: Reducing and oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen.

Hazardous Polymerization: None under normal conditions of use.

Conditions to avoid: Temperature > 100°F, direct sunlight, strong visible light

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SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Mildly corrosive. Minimal health hazard under normal conditions of use and in the quantities present in this product. Material may be irritating to skin, eyes, respiratory tract or mucous membranes on contact.

<i>Route of Exposure</i>	<i>Signs &amp; Symptoms</i>
Inhalation	May be irritating to mucous membranes
Eye Contact	May be irritating on contact
Skin Absorption	Not applicable
Skin Contact	May cause irritation.
Ingestion	May be irritating to mucous membranes

*Summary of Chronic Hazards:* May be sensitizing, especially with prolonged and/or repeated exposure.

Carcinogenicity	Not known to be a carcinogen
Teratogenicity	None known.
Mutagenicity	None known.
Reproductive Toxicity	None known.

*Emergency First Aid Procedures:*

Inhalation	Move to fresh air. Administer artificial respiration if required and seek medical attention.
Eye Contact	Flush eyes with copious amounts of water for 15+ minutes. Seek medical attention for prolonged irritation.
Ingestion	Have person rinse mouth with water. Consult physician.
Skin Contact	Wash skin with soap and water for 15+ minutes. Get medical care for persistent or severe irritation.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: Store tightly capped in original container at cool room temperature. Avoid temperature extremes, intense light and moisture.

Release or Spill: Wear gloves and eye protection. Wipe up spill with suitable material such as paper towels; collect for disposal in covered waste container.

Waste Disposal Method: Follow all government regulations.

Other Precautions: Recap syringe immediately after use.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None required under normal conditions of use.

Ventilation: Adequate to maintain exposure below 3 ppm. No special ventilation necessary under anticipated conditions of normal use.

Protective Gloves: Recommended                      Eye Protection: Recommended.

Other Protective Clothing or Equipment: Emergency eye wash fountain should be available

Work/Hygienic Practices: Wash hands after use.

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*The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Pulpdent Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.*

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