

**NON-BONDED RESTORATIONS**

1. Clean tooth prep area.
2. Dry with air (dryness is not critical).
3. Apply MicroPrime to dried tooth using brush or cotton pellet. Avoid soft tissue.
4. Wait 30 seconds, then dry with air.
5. Place restorative material such as amalgam, castings, etc. (Zinc phosphate and glass ionomer cements work well with MicroPrime.)

**BONDED APPLICATIONS**

1. Clean tooth prep area.
2. Etch with 10 - 40% phosphoric acid for 15 to 30 seconds.
3. Rinse.
4. Dry with air (dryness is not critical).
5. Apply MicroPrime, using brush or cotton pellet. Avoid soft tissue.
6. Wait 30 seconds, then dry or leave moist, per manufacturer's instructions for the bonding agent.
- 7a. Direct restorations: Apply composite bonding agent and composite per manufacturer's instructions.
- 7b. Indirect restorations or sealing preparation: Apply composite bonding agent and luting resin per manufacturer's instructions.

**WARNING!** Avoid contact with eyes, skin, and mucous membranes. If accidental contact occurs, **FLUSH IMMEDIATELY WITH WATER. CONSULT PHYSICIAN IMMEDIATELY IF EYE CONTACT OCCURS.** Keep away from children.

**STORAGE AND SHELF LIFE**

Expiration date is placed on each MicroPrime bottle. MicroPrime has a three year shelf life when kept below 25°C/77°F.

**MATERIAL SAFETY DATA SHEET**

**SECTION I - PRODUCT IDENTIFICATION**      **MSDS NO. ROOS**  
 Company: Danville Materials  
 3420 Fostoria Way Ste. A-200  
 San Ramon, CA 94583  
 Phone: (800) 872-7940  
 Fax: (925) 973.0764  
 Prepared: October 20, 2004

**SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES**

Material	% WGT	OSHA PEL	ACGIH TLV
Benzethonium Chloride	1-5%	0.2 ppmv	0.2 ppmv
or			
Glutaraldehyde	1-5%	0.2 ppmv	0.2 ppmv
Hydroxyethyl Methacrylate	25-45	NA	NA
Sodium Fluoride	10 ppm	NA	N/A
Water	Balance		

(ND = Not Determined    NA = Not Applicable    NL = Not Listed)

**SECTION III - PHYSICAL DATA**  
 Vapor Pressure mm Hg: NA      Vapor Density (Air = 1): NA  
 Evaporation Rate (Ether = 1): NA      % Volatile by Volume: NA  
 Solubility in Water: Soluble      Boiling Point: NA  
 Appearance: Clear Liquid      Odor: None

**SECTION IV - FIRE AND EXPLOSION**  
 Flash Point: >+104°C  
 Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical  
 Special Fire Fighting Procedures: None  
 Flammable Limits: NA  
 Unusual Fire and Explosion Hazards: None

**SECTION V - REACTIVITY DATA**

Stability: Stable  
 Conditions to Avoid: Prolonged Extreme Heat  
 Incompatibility: (Materials to avoid) Contact with iron.  
 Hazardous Decomposition Products: None.  
 Hazardous Polymerization: None  
 Conditions to Avoid: Extreme heat and free radical initiators.

**SECTION VI - HEALTH HAZARDS**

OSHA Permissible Exposure Limits: None  
 Other Exposure Limit Used: None  
 ACGIH Threshold Exposure Limit: None  
 Chronic, Other: None  
 Acute Overexposure: Irritation to eyes and skin. May cause chemical burn.  
 Medical Conditions Generally Aggravated by Exposure: None Known  
 Hygienic Practices: None  
 Primary Route(s) of Exposure: Skin, eye, ingestion.

**SECTION VII - EMERGENCY AND FIRST AID PROCEDURES**

Skin: Wash off affected area with soap and water.  
 Ingestion: Seek immediate medical advice, carry container with label.  
 Eyes: Rinse immediately with plenty of water and seek medical advice.

**SECTION VIII - SPILL OR LEAK PROCEDURES**

Spill Management: Use absorbent to collect the material. Wash contaminated surfaces with soap and water.  
 Waste Disposal Methods: Dispose of safely in accordance with local, state and federal regulations.

**SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES**

Respiratory: None required  
 Eye Protection: Safety goggles  
 Glove: Rubber/PVC gloves  
 Other Clothing & Equipment: None  
 Ventilation: None required

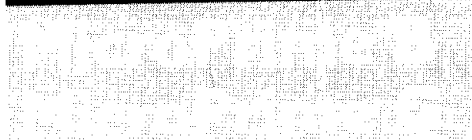
**SECTION X - ADDITIONAL INFORMATION**

Acute Toxicity: LD oral rat. 2,000 mg/kg  
 Ames Test: Negative. Acrylates can cause sensitization reactions.



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**INSTRUCTIONS**

MicroPrime™ is a superior desensitizing agent, to be placed under dental cements or other restorative materials – temporary, provisional or final. MicroPrime can be used for desensitization of amalgam restorations, either conventional or bonded.

**GENERAL INFORMATION**

MicroPrime contains benzethonium chloride and HEMA to kill bacteria, alter nerve responses and aid bonding primers to penetrate etched dentin. A small amount of sodium fluoride is added as a source of fluoride ion.

**WITH GLASS IONOMER AND ZINC PHOSPHATE CEMENTS**

MicroPrime is very effective when applied to vital crown preparations prior to luting with these cements. It may also be used at the "prep" appointment to desensitize during temporization. When MicroPrime is used properly in conjunction with these cements, complete desensitization will result in nearly all preparations.

**WITH RESIN ADHESIVES**

Most dentin bonding materials such as All Bond 2, Tenure, Optibond, Scotch-bond MP, Photo Bond, etc. will benefit from MicroPrime application. The application of MicroPrime reliably reduces post-op sensitivity by supporting the collagen framework for easier penetration of the adhesive, thus enhancing the dentin bond.

**WITH AMALGAMS**

MicroPrime can be used to eliminate post-op sensitivity under standard amalgam restorations.