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. MicroPrime helps kill bacteria, alter nerve responses and aids bonding primers in penetrating etched dentin.

**GENERAL INFORMATION**
MicroPrime G contains glutaraldehyde and HEMA.

**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, Scotchbond 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.

**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.
**MICRO PRIME INSTRUCTIONS**

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!** MicroPrime G and other glutaraldehyde based desensitizers will burn soft tissues. Keep off soft tissues. 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.

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**MICRO PRIME SAFETY DATA SHEET**

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

**SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Material</th>
<th>% WGT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde</td>
<td>4-6%</td>
<td>0.2 ppmv</td>
<td>0.2 ppmv</td>
</tr>
<tr>
<td>Hydroxyethyl Methacrylate</td>
<td>25-50%</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Water</td>
<td>Balance</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

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

**SECTION IV - FIRST AID MEASURES**

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 V - FIRE FIGHTING MEASURES**

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 VI - 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 VII - HANDLING AND STORAGE**

Spill Management: Use absorbent to collect the material. Wash contaminated surfaces with soap and water

**SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION**

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

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Vapor Pressure mm HG: NA
Evaporation Rate (Ether = 1): NA
Solubility in Water: Soluble
Appearance: Clear Liquid