

MicroPrime™ B



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: 1D 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. MicroPrime helps kill bacteria, alter nerve responses and aids bonding primers in penetrating etched dentin.

GENERAL INFORMATION

MicroPrime B contains benzethonium chloride and HEMA as well as a small amount of sodium fluoride as an added 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, 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.
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.

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
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SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES

Material	% WGT	OSHA PEL	ACGIH TLV
Benzethonium Chloride	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.