MICRO PRIME | **MATERIAL SAFETY DATA SHEET**

Conditions to Avoid: Extreme heat and free radical initiators.

SECTION XI - TOXICOLOGICAL INFORMATION
Acute Toxicity: ID oral rat. 2,000 mg/kg
Ames Test: Negative. Acrylates can cause sensitization reactions.

SECTION XII - ECOLOGICAL INFORMATION
Waste may be considered as inert material.

SECTION XIII - DISPOSAL CONSIDERATION
Spill Management: Use absorbent to collect the material. Wash contaminated surfaces with soap and water.

SECTION XIV - TRANSPORT INFORMATION
Stable under normal conditions of use, transporation, and storage.

SECTION XV - REGULATORY INFORMATION
510k # K953504

SECTION XVI - OTHER INFORMATION
WARNING! Microprime G and other gluteraldhyde based desensitizers will burn soft tissues. Keep off soft tissues. Avoid contact with eyes, skin, and mucous membranes. If accidental contact occurs, FLUSH IMMEDIATLY WITH WATER. CONSULT PHYSICIAN IMMEDIATLY IF EYE CONTACT OCCURS. Keep away from children.

The data and information given in this MSDS are accurate on the date of preparation. It does not indicate any warranty or representation. We disclaim all liability relating to use of this material since this is beyond our control.

Danville
MATERIALS
3420 Fostoria Way Suite A-200 San Ramon, California 94583 USA
Phone 925/973-0710 800/827-7940 Fax 925/973-0764

0378 REV K

DANVILLE | **DESENSITIZING AGENT**

MicroPrime™ B

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.)

MICRO PRIME INSTRUCTIONS

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.

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.

MICRO PRIME MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Company: Danville Materials
3420 Fostoria Way Ste. A-200
San Ramon, CA 94583
Phone: (800) 827-7940
Fax: (925) 973-0764
Prepared: July 15, 2013

SECTION II - HAZARD(S) IDENTIFICATION

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 III - COMPOSITION/INFORMATION ON INGREDIENTS

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

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

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MICRO PRIME MATERIAL SAFETY DATA SHEET

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

Flashpoint: >+ 104 ^{0}C
Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical
Special Fire Fighting Procedures: None
Flammable Limits: NA
Unusual Fire and Explosion Hazards: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

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.

SECTION VII - HANDLING AND STORAGE

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

SECTION VIII - EXPOSURE CONTROLS/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
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 X - STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Prolonged Extreme Heat
Incompatibility: (Materials to avoid) Contact with iron.
Hazardous Decomposition Products: None
Harzardous Polymeration: None