

SURE ETCH**MATERIAL SAFETY DATA SHEET****SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: 220C

Melting Point: ND

pH: 1-1.5

Vapor Pressure: <1

Appearance/Odor: Red, slightly viscous fluid

Specific Gravity: >1.2

Solubility in H₂O: Complete

SECTION X: STABILITY AND REACTIVITY

Stability: Unstable () Condition to avoid: Prolonged extreme heat.

Stable (X)

Incompatibility: (Materials to avoid) Metals, caustics, alkaline materials.

Hazardous Decomposition Products: None.

Hazardous Polymerization: May Occur () Conditions to avoid: ND

Will Not Occur (X) None

SECTION XI: TOXICOLOGICAL INFORMATION

No evidence of carcinogenicity.

SECTION XII: ECOLOGICAL INFORMATION

Waste may be considered as inert material.

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of safely in accordance with local, state, and federal regulations.

SECTION XIV: TRANSPORT INFORMATION

Stable under normal conditions of use, transportation, and storage.

SECTION XV: REGULATORY INFORMATION

510k #: K031915

SECTION XVI: OTHER INFORMATION

None

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**

3420 FOSTORIA WAY STE. A-200
SAN RAMON, CALIFORNIA 94583 USA
PHONE 800/827-7940 FAX 925/973-0764

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DANVILLE**PHOSPHORIC ETCHANT**

Sure Etch

**INSTRUCTIONS****TOOTH SURFACES**

Sure Etch is 37% phosphoric acid intended for preparing tooth surfaces for bonding. It is also used prior to application of silanes to dental porcelains and pressed ceramics.

ENAMEL AND DENTIN ETCHING

The appropriate etching time is determined by the manufacturer of bonding agent being used. Therefore follow manufactures instructions for etching. If etching instructions are not provided, proceed as follows.

1. Clean the tooth surface with a pumice/water slurry or with aluminum oxide delivered by an air abrasion device such as Danville's PrepStart.
2. Rinse with water and dry with clean air.
3. Apply Sure Etch to the tooth for 5-30 seconds, or as indicated by adhesive manufacturers instructions:
 - a. Sure Etch Liquid is applied with a brush such as Microbrush (Centrix), a straight bristled brush, or a sponge applicator.
 - b. Sure Etch Gel is applied directly out of the syringe after affixing a clean needle tip.

4. Rinse well with water.
5. Blow dry with oil-free air or, if appropriate for the bonding agent, blot dry or leave moist per bond manufacturer's instructions.

Note: When dry, etched enamel should have a frosted appearance. If the frosted appearance is absent, re-etch or check for etching barriers such as residual composite and take appropriate steps to remove it. Then re-etch.

6. Proceed with the bonding agent application, per manufacturers instructions. It is important to avoid contaminating the etched tooth with saliva or other contaminants before the bonding agent is applied.
7. After use, disinfect the Sure Etch container. Of using the Gel, discard the used tip and recap the syringe to prevent dehydration. If using the Liquid, tightly recap the bottle to prevent evaporation.

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/Reviewed: September 27, 2011

SECTION II: HAZARD(S) IDENTIFICATION

None

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

Components	% Range	C.A.S.	ACGIH TLV	OSHA PEL
Phosphoric Acid	34-38	7664-38-2	1mg/m3	1mg/kg
Water	54-62	7732-18-5	NA	NA
Glycerine	1-5	56-81-5	10mg/m ³	12600mg/kg

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

SECTION IV: EMERGENCY AND FIRST AID PROCEDURES

Skin: Wash off affected area with soap and water.
Ingestion: Drink one or two glasses of water or milk.
Eyes: Rinse immediately with plenty of water and seek medical advice.
Inhalation: Remove to fresh air.

SECTION V: FIRE-FIGHTING MEASURES

Flash Point: NA
Extinguishing Media: NA
Special Fire Fighting Procedures: NA
Flammable Limits: ND
Unusual Fire and Explosion Hazards: NA

SECTION VI: ACCIDENTAL RELEASE MEASURES

None

SECTION VII: HANDLING AND STORAGE

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

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Primary Route(s) of Exposure: Skin, Ingestion, Inhalation
OSHA Permissible Exposure Limits: None
ACGIH Threshold Exposure Limit: None
Other Exposure Limit Used: None
Eye: Corrosive. May cause severe eye irritation and burns. Permanent tissue damage may occur.
Skin: Corrosive. May cause severe skin irritation.
Inhalation: Mist and vapor may cause severe respiratory system irritation.
Ingestion: Corrosive. May cause severe digestive system irritation.
Respiratory: None required Eye Protection: Safety goggles
Glove: Rubber/PVC gloves Other Clothing & Equipment: None
Ventilation: None required Hygienic Practices: Use good clinical hygiene