

Sure Etch



SECTION VI - HEALTH HAZARDS

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.

SECTION VII - 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 VIII - SPILL OR LEAK PROCEDURES

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

Waste Disposal Methods: This material contains hazardous constituents.

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

Hygienic Practices: Use good clinical hygiene



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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: July 21, 2005

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Components	% Range	C.A.S.	ACGIH TLV	OSHA PEL
Phosphoric Acid	34-38	7664-38-2	1mg/m ³	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 III - PHYSICAL DATA

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 IV - FIRE AND EXPLOSION

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

SECTION V - REACTIVITY DATA

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 () Condition to avoid: ND
Will Not Occur (X) None