

DANVILLE

ENAMEL BOND

**E-Bond™**

## **INSTRUCTIONS**

E-Bond™ is a light cure, bis-GMA based bonding agent, a typical "enamel bond". It is used for bonding to etched enamel and for bonding to silane treated porcelain. It is also an excellent lubricant to prevent sticking of composites to instruments.

### **DIRECTIONS FOR USE**

After etching of enamel with a phosphoric acid such as Sure Etch™, apply the E-Bond with a brush or other applicator. It does not require thinning since it does not contain any solvent. Light cure and proceed with composite application.

### **STORAGE**

The shelf life of E Bond is 2 years when stored at 77°F (25°C) or below.

**MATERIAL SAFETY DATA SHEET**

Prepared: October 23, 2002

**SECTION I - PRODUCT IDENTIFICATION**

Trade name: **E-Bond**

Manufacturer/supplier: Danville Materials  
2021 Omega Rd Ste 120  
San Ramon, Ca. 94583 USA

Emergency information: Craig Bruns  
(800) 822-9294

**SECTION II - COMPOSITION/INFORMATION OF INGREDIENTS**

Product Contents: light-cure bonding agent liquid  
Hazardous Ingredients: none

**SECTION III - HAZARDS IDENTIFICATION**

For potential health hazards: SEE section X & XI below  
No other significant hazards to man or the environment are reasonably foreseen.

**SECTION IV - FIRST-AID MEASURES**

Inhalation: no harm anticipated  
Skin Contact: wash with soap and water  
Eye Contact: flush with copious amounts of water  
Ingestion: induce vomiting if large amount of material is swallowed.

**SECTION V - FIRE FIGHTING MEASURES**

Suitable Extinguishing Media: water  
Unsuitable Extinguishing Media: none  
Special Exposure Hazards From Combustion Products: none  
Special Equipment For Fire-Fighting: none

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

Personal Precautions: avoid contact of skin or eyes, wash hands with soap and water if skin contact occurs  
Environmental Precautions: dispose of in accordance to all federal, state, and local regulations  
Methods For Clean Up: wipe up with soap, water, and paper towels.

**SECTION VII - HANDLING AND STORAGE**

Handling Precautions:	none
Safe Storage Conditions:	store at temperatures not exceeding 75°F (24°C)
Other Restrictions or Recommendations:	avoid exposure to moisture and light

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

Respiratory Protection & Ventilation:	not required
Protective Clothing or Equipment:	not required under normal handling
Unusual Work/Hygienic Practices:	avoid prolonged contact with skin

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	clear liquid	Odor:	slight acrylic odor
pH:	n.a.	Boiling Point:	n.a.
Melting Point:	n.a.	Flash Point:	n.a.
Auto-Ignition Temp.:	n.a.	Flammability:	no
Explosive Limits in Air:	n.a.	Oxidizing Properties:	none
Vapor Pressure (mm Hg):	negligible at room temp.	Specific Gravity (H <sub>2</sub> O=1):	~1
Vapor Density (Air=1):	>1	Reactivity in Water:	not reactive
Solubility in Water:	insoluble		

**SECTION X - STABILITY AND REACTIVITY**

Stability:	generally stable
Conditions of Instability:	avoid exposure to light
Incompatibility with Various Substances:	none
Hazardous Decomposition Products:	none
Hazardous Polymerization:	may occur upon exposure to light where large quantities of material are involved
Conditions to Avoid:	avoid exposure to light and temperatures above 80°F

**SECTION XI - TOXICOLOGICAL INFORMATION**

Potential Acute Health Effects:	possibility of skin irritation or sensitization if not washed off promptly
Potential Chronic Health Effects:	possibility of skin sensitization or irritation upon prolonged or repeated exposure
Signs and Symptoms of Exposure:	skin/eye irritation
Medical Conditions Generally Aggravated by Exposure:	none known
Carcinogenic or Potential	

Carcinogenic Effects: no ingredient listed as a carcinogen  
Other Potential Health Effects: none known

#### **SECTION XII - ECOLOGICAL INFORMATION**

No ecological damage or impact anticipated when handled as indicated.

#### **SECTION XIII - DISPOSAL CONSIDERATION**

Waste Disposal: do not dispose into sink, dispose of in accordance with all federal, state, and local regulations.

#### **SECTION XIV - TRANSPORT INFORMATION**

UN Classification: n.a.  
Identification: n.a.  
Special Provisions for Transport: avoid elevated temperatures and high intensity light

#### **SECTION XV - REGULATORY INFORMATION**

U.S. FDA Dental Device: Class II product  
EC Medical Device Directive: Class IIa product

#### **SECTION XVI - OTHER INFORMATION**

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in the MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The condition or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the Product is used as a component in another product or used in a way other than recommended by the Company, the MSDS information may not be applicable.



**D A N V I L L E  
M A T E R I A L S**

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