

SECTION XIV: TRANSPORT INFORMATION

Dot regulations: Hazard class Identification number Packaging group Proper shipping name (technical name) Label	3 UN 1170 II Ethanol, mixture 3
Land transport ADR/RID(cross-border) ADR/RID class Danger code (Kemler) UN-Number Packaging group Label Description of good	3 Flammable liquids 33 I 170 II 3 I 170 Ethanol, mixture
Maritime transport IMDG IMDG class UN number Label Packaging group EMS Number Marine pollutant Proper shipping name	3 I 170 3 II No Ethanol, mixture
Air transport ICAO-TI and IATA-DGR ICAO/IATA Class UN/ID Number Label Packaging group Proper shipping name	3 I 170 3 II Ethanol, mixture

UN "Model Regulation": UN1170, Ethanol (ethyl alcohol), mixture: 3; II

SECTION XV: REGULATORY INFORMATION

Classification:F-Flammable, R1I -Highly flammable, Xi-Irritant, R36 -Irritating to eyes, R38-Irritating to skin, R43-May cause sensitization by skin contact.
Safety:S(2) 7-16-26-28 Keep out of the reach of children. Keep container tightly closed. Keep away from sources of ignition-No smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water.

SECTION XVI: OTHER INFORMATION

None



Danville

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

TM

Prelude One



Prelude One is a light-curable single component self-etch and self-prime adhesive designed to bond composite resins directly to dentin and enamel. It may also be used for repairs of properly prepared zirconia, alumina, porcelain, metal and composite restorations. Compatible with dual and self-cure composites (no activator required).

PRECAUTIONS

- Read the MSDS for safety information. Prelude One contains methacrylate monomers that may produce allergic reactions in some individuals by contact with skin, eyes, or oral mucosa. Always wear suitable personal protective equipment. Patient protective eyewear is recommended.
- Use of this product in any way not specifically described in this Instruction for Use is the sole responsibility of the practitioner. Prelude One is intended for use by licensed dentists.
- Prelude One is a light sensitive material containing a volatile solvent. Use dispensed product immediately and secure cap onto bottle.
- Use appropriate isolation techniques to prevent saliva and blood contamination of bonding surfaces. See helpful hints.
- Do not place Prelude One adjacent to eugenol-containing materials since they inhibit polymerization.

INSTRUCTIONS FOR USE

PREPARATION:

Preparation of Dentin/Enamel:

- Prepare cavity. To further enhance bond, the enamel may be selectively etched.
- If etched, wash and blot or air dry. Do not desiccate.

Preparation of Zirconia (e.g., Lava® by 3M), Alumina, Porcelain, Precious Metal, Non-precious Metal, and Composites:

- Air abrade surface with Danville Materials' White Alumina Oxide (50 or 27 micron) from a MicroEtcher at 45 psi (use high volume suction during blasting).
- Blow excess powder away with dry air (optional: clean with water spray and dry well).

Preparation of Lithium Disilicate (e.g., E-Max® by Ivoclar):

- Etch surface with hydrofluoric acid for 15 seconds. Rinse well with water and air dry surface (do not blast with alumina).

APPLICATION:

Refrigerate Prelude One for longer shelf life. Bring to room temperature and shake well before dispensing.

For Dentin/Enamel Restoration:

- Dispense 1-2 drops of Prelude One into a clean well.
- Apply a layer of Prelude One with disposable applicator and scrub for 20 seconds. (For larger restorations, e.g., MOD, apply an additional layer of Prelude One by re-wetting applicator.) Do not light cure adhesive in between layers.
- Gently air dry adhesive for at least 5 seconds to evaporate solvent. Continue with a stronger air stream (5-10 seconds) until the film no longer moves. The adhesive should appear glossy.
- Light cure adhesive for 10 seconds (minimum 600 mw/cm²).
- The surface is now ready for composite restoration or adhesive cementation. (Prelude One is compatible with both light cured and dual/auto cured composites).

For Zirconia, Alumina, Porcelain, Precious Metal, Non-precious Metal, and Lithium Disilicate Restorations:

1. Apply Prelude One to prepared surface and allow adhesive to dwell for 20 seconds.
2. Gently air dry adhesive for at least 5 seconds to evaporate solvent. Continue with a stronger air stream until the adhesive appears glossy and no longer moves.
3. Light cure adhesive for 10 seconds (minimum 600mw/cm²).
4. The surface is now ready for composite restoration or adhesive cementation. (Prelude One is compatible with both light cured and dual/auto cured composites).

HELPFUL HINTS

- The 5th Hand™ retractor will keep lips and cheeks away from the surface being treated and frees up the assistant to suction the tongue area. The 5th Hand™ will hold Dri Angles™ (cheek shields) over Stensen's Duct thereby keeping saliva flow at a minimum.
- To cleanly dispense Prelude One, hold the bottle with the tip straight down (not at an angle) and squeeze gently. Release the grip on the inverted bottle to pull the adhesive back into the bottle and return it to the upright position. Wipe dribble from the tip before replacing cap firmly.

STORAGE:

During periods of regular use, Store Prelude One at <85°F and out of sunlight. Refrigeration may extend shelf life. Do not freeze.

PRELUDE ONE

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Company Name: Danville Materials
3420 Fostoria WWay Suite A-200
San Ramon, CA 94583

Phone (800) 827-7940
Fax: (925) 973-0764
Prepared: August 6, 2013

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

Material	CAS #	Concentration Range (wt%)
Ethyl alcohol	64-17-5	<50
2-Hydroxyethyl methacrylate	868-77-9	<20
Bisphenol A glycidyl methacrylate	1565-94-2	<40
Methacryloyloxyalkyl acid phosphate		<5
Methacryloyloxyalkyl acid carboxylate		<5

SECTION III: HAZARD(S) IDENTIFICATION

Flammable-Keep away from sources of ignition.
Irritant-Irritating to eyes and skin; may cause sensitization by skin contact. Refer to Section 15 for specific Risk-and-Safety-phrases.

SECTION IV: FIRST-AID MEASURES

Inhalation: Provide fresh air and rest; consult doctor in case of complaints.
Skin Contact: Wash with soap and water.
Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested.

SECTION V: FIRE-FIGHTING MEASURES

Fire-fighting media: Dry chemical powder, foam or carbon dioxide.
Fire and explosion risk: Upon combustion, irritating gases may form.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent skin/eye contact.

PRELUDE ONE

MATERIAL SAFETY DATA SHEET

Environmental Precautions: Dilute with plenty of water; do not allow to enter sewers/ surface or ground water.
Methods for Cleaning Up: Wipe with damp paper towels. Discard properly.

SECTION VII: HANDLING AND STORAGE

This product is used exclusively for dental purposes by trained personnel. Avoid high light intensity ambient light (>10000 lux).
Keep ignition source away – Do not smoke.
Store away from oxidizing agents.
Store away from reducing agents.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Use protective eyewear.
Hand Protection: Use protective gloves.
Respiratory Protection: Avoid prolonged breathing of vapors of uncured material.
Skin Protection: Use any necessary hygiene measures.

Components with limit values that require monitoring at the workplace:
CAS# 64-17-5

PEL	1900 mg/m ³ , 1000ppm
REL	1900 mg/m ³ , 1000ppm
TLV	1880 mg/m ³ , 1000ppm

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Color:	Pale Yellow
Odor:	Ethanol-like	Miscibility:	N/E
Vapor Pressure @20°C/68°F:	N/E	Vapor Density:	1.6g/cm ³ (ethanol)
Solubility (H ₂ O,fat):	Miscible Vapor	pH:	2.4
Boiling Point/Range:	78°C (ethanol)	Evaporation Rate:	N/E
Melting Point/Range:	-114.5°C (ethanol)	Viscosity:	N/E
Flash Point:	13°C (ethanol)	Partition Coefficient:	N/E
Autoflammability:	425°C (ethanol)	Conductivity:	N/A
Explosive Properties:	Lower: (3.5 Vol%), Upper: (15.0 Vol%) (ethanol)	Oxidizing Properties:	N/E
Relative Density:	0.8g/cm ³ (ethanol)		

SECTION X: STABILITY AND REACTIVITY

Avoid high temperature.

SECTION XI: TOXICOLOGICAL INFORMATION

Eye Contact: Irritates the eyes.
Skin Contact: Irritates the skin.
Sensitization: May cause allergic reaction on contact with the skin. Avoid contact of uncured resin with skin, especially in people known to be allergic to methacrylates.
Other: Repeated exposure may cause skin dryness or cracking. Vapors: may cause drowsiness and dizziness.

SECTION XII: ECOLOGICAL INFORMATION

N/A

SECTION XIII: DISPOSAL CONSIDERATIONS

Refer to any community provisions relating to waste. In their absence, refer to national or regional provisions relating to waste.