SAFETY DATA SHEET:
Premier® Universal Primer

1. Chemical Product and Company Identification
   Premier® Dental Products Company
   1710 Romano Drive Plymouth Meeting, PA 19462
   Phone: 610-239-6000 Fax: 610-239-6171
   Emergency Phone: 610-239-6000

Indications:
Premier Ceramic Primer is a prescription-only, one-step silane coupling agent intended for preparation of ceramic material such as porcelain, ceramic, hybrid ceramic or composite and zirconia restorations designed to improve adhesion to resin material prior to cementation or restoration. This primer does not require prior sandblasting or the use of an etchant.

Contraindications:
Do not use on patients with known sensitivity or allergy to methacrylate resins. Wash exposed area completely to remove material. If an allergic reaction is observed, consult a physician immediately and discontinue use with this patient.

2. Hazards Identification
   Corrosive; Xi Irritant; Flammable.
   Acute Health Hazards: May cause eye, respiratory and skin irritation.
   Chronic Health Hazards: Material is not known to cause significant health problems.
   Signs and Symptoms of Exposure: High concentrations can cause eye and respiratory irritation. Prolonged skin exposure can cause dryness.
   Primary Routes of Exposure: Inhalation, skin contact, eye contact.
   Carcinogenicity: NTP – no, OSHA – no, IARC – no.

   Hazard Symbols
   Irritating to eyes and skin   Flammable   Corrosive

3. Composition / Information of Hazardous Ingredients
<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>CAS#</th>
<th>Hazard Identification &amp; Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>F, R11</td>
</tr>
<tr>
<td>3-trimethoxysilylpropyl methacrylate</td>
<td>2530-85-0</td>
<td>Xi, R36/37/38</td>
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<tr>
<td>10-Methacryloyloxydecyl dihydrogen phosphate</td>
<td>85590-00-7</td>
<td>Xi, R36/37/39</td>
</tr>
<tr>
<td>Acetic Acid</td>
<td>64-19-7</td>
<td>Xi, R35, R36/37/38</td>
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</tbody>
</table>
4. First Aid Measures in Cause of Inhalation
Inhalation: If irritation occurs, take victim to open air. Get medical attention.
In case of skin contact: wash with soap and water.
In case of eye contact: Flush with large quantities of water for 15 minutes. Consult a physician.
In case of ingestion: Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested. Do not induce vomiting.

5. Fire-Fighting Measures
Flash Point: 18°C / 64ºF (Ethanol)
Extinguishing Media: Carbon dioxide, foam or dry chemical.
Unusual Fire and Explosion Hazards: Upon combustion, irritating gases may form.

6. Accidental Release Measures
Personal Precautions: Prevent skin/ eye contact
Environmental Precautions: Avoid ground water contamination.

7. Handling and Storage
Handling: No special measures necessary if handled according to instructions.
Storage: Keep container tightly closed when not in use. Keep about 10ºC.
Keep material in original packaging. Avoid extreme heat and light.

8. Exposure Controls/ Personal Protection
Exposure Controls: Use only in well ventilated areas.
Eye Protection: Use protective eyewear.
Hand and Skin Protection: Avoid unnecessary skin contact. Wear latex gloves when handling.
Hygiene Measures: Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

9. Physical and Chemical Properties
Appearance: Colorless liquid
Odor: Odorless.
Boling Point/ Range: N/E
Evaporation Bate (water = 1): N/A
Vapor Density (Air = 1): N/A
Solubility in Water: Miscible
Solubility in organic solvents: Soluble in alcohols, ketones, etc.
Acidity: pH=4-5

10. Stability and Reactivity
Stability: This material is stable.
Hazardous Reactions: None if handled according to directions
Conditions to Avoid: Heat.
Incompatibility: Strong caustics, metals, sulfides and sulfites.
11. Toxicological Information
Acute oral toxicity: LD50 (rat) > 5000 mg/kg
Irritation to Eyes: Irritates the eyes.
Irritation of Skin: May irritate the skin.
Allergic Effects: May cause allergic reaction on contact with skin.
Other: If swallowed, may cause sore throat and burns of the mouth and throat.
Prolonged exposure may cause burns to the respiratory tract, contact with soft tissues may cause burns.

12. Ecological Information
There is no specific information on the product. Use according to good working practices, avoiding release of the product into the environment.

13. Disposal Considerations
May be disposed of in landfill or incinerator in accordance with local, state and federal regulations.

14. Transport Information

14.1 Transport at land
ADR 3
UN Number 1170
Packaging group III
Proper shipping name Ethanol Solution

14.2 Transport by sea
ADNR 3
UN Number 1170
Packaging group III
Proper shipping name Ethanol Solution
EMS F-E, S-D

14.3 Air transport
ICAO/IATA-DGR
UN Number 1170
Proper shipping name Ethanol Solution
Subsidiary risks
Labels Ethanol Solution
Packaging group III

U.S. DOT Shipping Name: Ethanol Solution
U.S. DOT Hazard Class: 3
Number: UN1170
U.S. Dot Packing Group: III
Other: Class 3 Flammable Liquids.
15. Regulatory Information

This product requires classification according to the criteria of EC. The product is a medical device according to the EC-directive 93/42.

<table>
<thead>
<tr>
<th>15.1 UN Number</th>
<th>1170</th>
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<tbody>
<tr>
<td>15.2 National regulations</td>
<td></td>
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<tr>
<td>15.3 EU Number</td>
<td></td>
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<tr>
<td>15.4 Hazard symbols</td>
<td><img src="image" alt="Xi" /> <img src="image" alt="F" /> <img src="image" alt="C" /></td>
</tr>
<tr>
<td>Xi: Irritant, F: Flammable, Contains Ethyl Alcoholol, C: Corrosive organic liquid, acidic, organic</td>
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<td>15.5 Hazard designation</td>
<td>Xi: Irritant, F: Flammable, Contains Ethyl Alcoholol, C: Corrosive organic liquid, acidic, organic</td>
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<tr>
<td>15.6 Risk phrases</td>
<td>R: 11, 36, 37, 38, 39</td>
</tr>
<tr>
<td>11: Highly flammable</td>
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<tr>
<td>35: Causes severe burns</td>
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<tr>
<td>36: Irritating to eyes</td>
<td></td>
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<tr>
<td>37/38 Irritating to respiratory system and skin</td>
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<tr>
<td>39: Danger of very serious irreversible effects</td>
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<tr>
<td>15.7 Safety phrases</td>
<td>S: 2, 7, 9, 16, 22, 23, 26, 28, 24/25, 37/39, 43</td>
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<tr>
<td>2 Keep out of the reach of children.</td>
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<tr>
<td>7 Keep container tightly closed.</td>
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<tr>
<td>9 Keep container in a well-ventilated place.</td>
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<tr>
<td>16 Keep away from sources of ignition - No smoking.</td>
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<tr>
<td>22 Harmful if swallowed.</td>
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<td>23 Do not breathe vapors.</td>
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<tr>
<td>26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.</td>
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<tr>
<td>28 After contact with skin, wash immediately with plenty of water and soap.</td>
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<tr>
<td>24/25 Avoid contact with skin and eyes.</td>
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<tr>
<td>37/39 Wear suitable gloves and eye/face protection.</td>
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<tr>
<td>43 May cause sensitization by skin contact.</td>
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</tbody>
</table>


16. Other Information

Premier’s revision date: 04JUNE2019
Revision number: 0

**Relevant R-phrases**

11 Highly flammable
34 Causes burns
Xi Irritant

Material should be maintained in original containers. Empty containers should not be re-used.
AN SI / NFPA 704 DATA
Health: 2
Flammability: 2
Reactivity: 0
Special hazards: None

Supplier’s number: 05302019

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