1. **Chemical Product and Company Identification**

   **Product Name:** Premier® Bond Boost SE™ Self-Etching Bond Enhancer  
   *Universal, No-Rinse, Multi-Purpose Adhesive Primer, and Bond Coupling Agent*

   **Manufacturer:** Premier Dental Products Company  
   1710 Romano Drive  
   Plymouth Meeting, PA 19462  
   PH: 610-239-6000; FAX: 610-239-6171

2. **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>2-Hydroxyethylmethacrylate (HEMA)</td>
<td>868-77-9</td>
<td>Xi, R/36/38-43</td>
</tr>
<tr>
<td>Polymerization accelerators</td>
<td>60506-81-2</td>
<td>N/E</td>
</tr>
<tr>
<td>Methacrylated phosphoric acid esters</td>
<td>32435-46-4</td>
<td>Xi, R/36/38-43</td>
</tr>
<tr>
<td>4-Methacryloxyethyltrimellitic acid</td>
<td>70293-55-9</td>
<td>Xn;R22-36/38-43</td>
</tr>
<tr>
<td>Dendritic Polymer</td>
<td>362603-93-8</td>
<td>N/E</td>
</tr>
<tr>
<td>Chlorhexidine digluconate</td>
<td>18472-51-0</td>
<td>N/E</td>
</tr>
<tr>
<td>Water</td>
<td>-</td>
<td>N/E</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>F, Xi, R11/36/66/67</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>F, R11</td>
</tr>
</tbody>
</table>

   ✓ **Additional information:** For the wording of the listed risk phrases refer to section 16.

3. **Hazard Identification.** Xi: Irritant; F: Flammable

   **Acute Health Hazards:** May cause eye, respiratory and skin irritation in high concentrations.

   **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

4. **First Aid Measures**

   **Inhalation:** take victim to open air.

   **Skin or Eye Contact:** flush with large quantities of water for 15 minutes. Consult a physician

   **In case of ingestion:** Consult a physician.
5. Fire-Fighting Measures
   Flash Point: 18°C (64°F Ethanol)
   Extinguishing Media: Water spray, dry chemical
   Unusual Fire and Explosion Hazards: None

6. Accidental Release Measures
   Clean-Up Procedure: Clean spill area with detergent and water

7. Handling and Storage
   Handling: No special measures necessary if handled according to instructions
   Storage: Keep container tightly closed when not in use

8. Exposure Controls/ Personal Protection
   Respiratory Protection: Avoid inhalation of vapors. No special protection under normal use
   Hand and Skin Protection: Avoid unnecessary skin contact.

9. Physical and Chemical Properties
   Appearance: Transparent liquid
   Odor: Weak, ester like odor
   Boiling Point: N/A
   Flash Point: 18°C (64°F Ethanol)
   Solubility in Water: Soluble
   Vapor Density (Air = 1): N/E
   Vapor Pressure (mmHg): N/E

10. Stability and Reactivity
    Stability: This material is stable
    Hazardous Reactions: None if handled according to directions
    Hazardous Polymerization: None
    Conditions to Avoid: Heat
    Incompatibility: Reducing agents

11. Toxicological Information
    Irritation of Skin: Dryness and irritation possible upon prolonged exposure
    Allergic Effects: Methacrylate-sensitive individuals may exhibit an allergic Reaction

12. Ecological Information
    Environmental persistence and degradability: No data available.
    Ecotoxicity: No data available.
    Do not discharge into sewers or water supplies

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  RID 3
UN Number 1170  Kemler ---
Packing Group III
Proper shipping name Ethanol Solution

14.2 Transport at sea
ADNR 3  IMDG 3
UN Number 1170
EMS F-E, S-D MFAG
Packing Group III
Proper shipping name Ethanol Solution

14.3 Air transport
ICAO / IATA-DGR ---
UN Number 1170
Proper shipping name Ethanol Solution
Subsidiary Risk ---
Labels Ethanol Solution
Packing Group III

U.S. DOT: Shipping Name: Not Regulated
U.S. DOT: Hazard Class: None U.N/ N.A.
Number: None
Other: Not considered hazardous cargo

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.

15.1 UN number ---
15.2 National regulations
15.3 EU number

15.4 Hazard symbols: Xi, F


15.6 Risk phrases R: 11, 22, 36, 37/38, 43, 66, 67 11 Highly flammable.
22 Harmful if swallowed.
36 Irritating to eyes
37/38 Irritating to respiratory system and skin
43  May cause sensitization by skin contact  
66  Repeated exposure may cause skin dryness or cracking  
67  Vapors may cause drowsiness and dizziness  

15.7 Safety phrases  
2, 9, 16, 23, 26, 28, 24/25, 37/39  
2  Keep out of the reach of children  
9  Keep container in a well-ventilated place  
16  Keep away from sources of ignition - No smoking  
23  Do not breathe vapor  
26  In case of contact with eyes, rinse immediately with plenty of water and seek medical advise  
28  After contact with skin, wash immediately with plenty of water and soap  
24/25  Avoid contact with skin and eyes  
37/39  Wear suitable gloves and eye/face protection  

U.S. – O.S.H.A. Status: This material is not hazardous under the criteria of the U.S. Federal Hazard Communication Standard.  

16. Other Information  
These data are based on our present knowledge; however, they shall not constitute a guarantee for any specific product features and shall establish a legally valid contractual relationship.  

Relevant R-phrases  
11  Highly flammable.  
22  Harmful if swallowed.  
36  Irritating to eyes.  
37/38  Irritating to respiratory system and skin.  
43  May cause sensitization by skin contact.  
66  Repeated exposure may cause skin dryness or cracking.  
67  Vapors may cause drowsiness and dizziness.  

Xn Harmful.  

Material should be maintained in original containers. Empty containers should not be re-used.  

AN SI / NFPA 704 DATA  
Fire = 3  
Health = 1  
Reactivity = 1 Specific  

This information is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from use thereof. In no event will the manufacturer or distributor be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon this information. General properties described herein are to be regarded as guides and are not guaranteed for all samples.  

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