1. Product Information

Product Name: Tile Preparer  
Product Code: 780

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight</th>
<th>Occup. Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium Biflouride Solution - Stabilized</td>
<td>N/A</td>
<td>100 %</td>
<td>OSHA PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.5 mo/m3 as F</td>
</tr>
</tbody>
</table>

3. Physical/Chemical Characteristics

Boiling Range (Deg. F): 215°F  
Vapor Density: N/A  
Evaporation Rate: N/A  
Melting Point: N/A  
Specific Gravity (water = 1): 1.2-1.4  
Solubility in water: Complete  
Vapor Pressure (mm Hg at temperature): N/A  
Appearance and Odor: Cloudy liquid, slight pungent odor.  
Water reactive: No

4. Fire and Explosion Hazard Data

Flash Point (Deg. F): N/A  
Auto-Ignition Temperature: N/A  
Flammability Limits (% air by volume) at N/A  
LEL: N/A  
UEL: N/A  
Extinguishing media: Not a fire or explosion hazard. Material may release small amounts of Hydrofluoric Acid. Cool storage drums with water spray.  
Special Fire and Explosion Hazards: None  
Unusual Fire and Explosion Hazards: None

5. Health Hazard Data

Primary Route of Entry: Skin absorption  
Carcinogen Listed in: Not listed  
Health Hazards: Acute: None known  
Chronic: None known  
Signs and symptoms of overexposure: Red rash  
Medical conditions generally aggravated by exposure: None known  
Emergency First Aid Procedures:  
Skin: Flush with water for 15 minutes. Get medical attention if necessary.  
Inhalation: Exit area for fresh air.  
Ingestion: Give large quantities of water or milk. Get medical attention.

6. Reactivity Data

Stability: Product Stable  
Conditions to Avoid: Strong acids, strong bases, high heat  
Incompatibility (Materials to avoid): Strong acids, strong bases.  
Hazardous Polymerization: Will not occur  
Hazardous Decomposition Products: Strong acids liberate hydrofluoric acid. Strong bases liberate ammonia.

7. Precautions for Safe Handling and Use/Spill Procedures

Steps to be taken in case material is released or spilled: Apply absorbent material and sweep up.  
Waste Disposal Method: As regards federal, state and local regulations.  
Precautions to be taken in handling and storage: Keep product containers cool, dry and away from ignition sources.  
Other precautions and/or special hazards: Use this product with adequate ventilation. Personnel should avoid inhalation of vapors.

8. Control and Protective Measures

Protective Glove: Rubber  
Eye Protection: Chemical Goggles  
Required Ventilation (enclosed areas): Ventilate enclosed areas  
Other Protective Clothing and Equipment: Body protection as necessary to prevent skin contact  
Hygienic Work Practices: None