

## MATERIAL SAFETY DATA SHEET

### 1. Product Information

Product Name: Tile Preparer

Product Code: 780

### 2. Composition/Information on Ingredients

Chemical Name	CAS Number	Weight Percent	Occup. Exposure Limits	
			OSHA PEL	ACGIH TLV
Ammonium Bifluoride Solution - Stabilized	N/A	100 %		2.5 mg/m <sup>3</sup> as F

### 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

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Manufactured by: KECC in OH

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