

# SAFETY DATA SHEET

## PORCELAIN ETCHANT

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### 1. Chemical product and company identification

**Product Identifier:** 4009001, 4009025  
**Product Name:** Porcelain Etchant  
Premier Dental Products Company  
1710 Romano Drive  
Plymouth Meeting, PA 19462 USA  
Phone: 610-239-6000 Fax: 610-239-6171  
Emergency Phone: 610-239-6000

**Recommended Use:** Professional dental acid etching solution  
**Restrictions for Use:** For professional use only.

### 2. Hazards Identification

#### Classification of the chemical

Acute Toxicity, oral – Category 3  
Acute Toxicity, inhalation – Category 3  
Acute Toxicity, dermal – Category 3  
Skin Corrosion – Category 1A,1B, 1C

**Hazard pictogram(s)** Skull and Crossbones, Corrosive



**Signal word:** Danger

#### Hazard Statements:

H331 Toxic if inhaled  
H301 Toxic if swallowed  
H311 Toxic in contact with skin  
H314 Causes severe skin burns and eye damage

### 3. Composition / Information on Ingredients

Chemical Name:	CAS #	WT%
Hydrofluoric Acid	7664-39-3	9.6%

### 4. First Aid Measures

#### Action:

**Skin contact:** Flush skin with large amounts of water and remove contaminated clothing, watches, etc. After the water rinse, rub "Calcium Gluconate" thoroughly into the skin. Seek medical attention for all burns, regardless of how minor they may seem.

**Eye contact:** Remove contact lenses before flushing. With eyelids held open, flush immediately with lukewarm water for at least 15 minutes. DO NOT use an eye ointment. If a physician is not immediately available, apply 1-2 drops of 0.5% Pontocaine Hydrochloride solution. Get immediate medical attention.

**Ingestion:** DO NOT INDUCE VOMITING -SEEK MEDICAL ADVICE IMMEDIATELY! Rinse mouth thoroughly and give large amounts of milk or water if person is conscious. After ingestion of fluorides, give milk or calcium gluconate orally. Transport to hospital if there is any suspicion of ingestion.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**Symptoms:**

**Eyes:** Causes severe eye burns.  
**Skin:** Contact causes severe skin irritation and possible burns.  
**Ingestion:** Toxic if swallowed.  
**Inhalation:** Toxic if inhaled

**Immediate medical attention and special treatment needed**

**Notes to physician:** Toxic by inhalation, skin contact, and ingestion.

**5: Fire fighting measures**

**Extinguishing media:** Foam, dry chemical, carbon dioxide (CO<sub>2</sub>).  
**Explosion hazards:** Not Determined  
**Fire explosion:** Not Determined  
**Sensitive to static discharge:** Not Determined  
**Sensitivity to impact:** Not Determined  
**Fire fighting procedures:** General: Evacuate all personnel; use protective equipment for firefighting. Use self-contained breathing apparatus when the product is involved in fire.  
**Fire fighting equipment:** Foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

**6: Accidental release measures**

**Special protective equipment:** Wear suitable protective clothing, gloves and eye/face protection.  
**Water spill:** Do not allow to enter sewers or drains that may lead to waterways.  
**Small spill:** Dilute with water and mop up, or absorb with inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.  
**Large spill:** Absorb with fly ash or cement powder. Neutralize with soda ash or caustic soda. Collect carefully in tightly closed containers. **DO NOT TOUCH SPILLED MATERIAL.**

**7: Handling and storage**

**Handling:** Will attack glass and most ceramics. May attack some metals. Use personal protective equipment in a well-ventilated area.  
**Storage:** Keep container tightly closed in a cool place.  
**Shelf life:** See product labeling  
**Specific end use(s):** Professional Dental Acid Etching Solution

**8: Exposure controls / personal protection**

**Control parameters:** Not Determined  
**Eye/face protection:** Use chemical splash goggles and face shield  
**Skin protection:** Wear suitable protective clothing and gloves.  
**Respiratory protection:** Use only in well-ventilated areas.

**9. Physical and chemical properties**

**Physical state:** Gel  
**Colour:** Yellow  
**Odour:** Acidic, DO NOT SMELL  
**Percent volatile:** Not Determined

**10: Stability and reactivity**

**Stable:** Yes  
**Chemical stability:** Stable when stored and handled under recommended conditions.  
**Hazardous polymerization:** No  
**Conditions to avoid:** Avoid strong bases, Metals, Metal oxides, Inorganic acids, Organic anhydrides, Glass, and Intense Heat.  
**Incompatible materials:** Not Determined  
**Hazardous decomposition products:** Fluorine gas. Hydrogen is formed in contact with metals. Heating may liberate hazardous corrosive vapors.

## 11. Toxicological information

### Acute

**Dermal LD50:** Not Determined  
**Oral LD50:** Not Determined  
**Inhalation LC50:** Not Determined

## 12. Ecological Information

**Aquatic toxicity (acute):** Do not allow to enter sewers or drains that may lead to waterways.  
**96-hour LC50:** Not Determined  
**48-hour EC50:** Not Determined  
**96-hour EC50:** Not Determined  
**Persistence and degradability:** Not Determined  
**Bioaccumulative potential:** Not Determined  
**Mobility in soil:** Not Determined  
**Results of PBT and vPvB assessment:** Not Determined  
**Environmental data:** Not Available

## 13: Disposal considerations

**Disposal method:** Dispose of in compliance with governmental regulation

## 14: Transport information

**UN number:** 2922  
**UN proper shipping name:** Corrosive Liquid, Toxic n.o.s. (Hydrofluoric acid mixture)  
**Primary hazard class/division:** 8(6.1)  
**Hazard classification:** 8(6.1)  
**Packing group:** II  
**Marine pollutant #1:** N/A  
**ADR - road:** N/A  
**RID - rail:** N/A  
**IMDG - sea:** N/A  
**IATA - air:** N/A  
**Transport in bulk:** N/A

## 15. Regulatory Information:

**RoHS:** Please refer to Medical Devices Directive 93/42/EEC  
**Chemical safety assessment:** Not Determined

### Risk phrases:

R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.  
R35: Causes severe burns.

### Hazard Statements:

H331: Toxic if inhaled.  
H301: Toxic if swallowed.  
H311: Toxic in contact with skin.  
H314: Causes severe skin burns and eye damage.

### Precautionary phrases:

P260 Do not breathe dust/fumes/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves, protective clothing, eye protections and face protection.  
P310 Immediately call a POISON CENTER or physician/doctor  
P311 Call a POISON CENTER or doctor/physician

P312 Call a POISON CENTER or doctor/physician if you feel unwell  
P321 Specific treatment in Section 4 of SDS for Eye, Skin, Ingestion and Inhalation  
P330 Rinse mouth.  
P361 Take off immediately all contaminated clothing.  
P363 Wash contaminated clothing before reuse  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTE or doctor/physician  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P403+P233 Store in a well ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents and container in accordance with local and national regulations.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. Other Information

**Premier's revision date:** 12/17/2015  
**Revision Number:** 4

### Supplier number: 013015

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