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 (CO2).
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 (CO2).

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 anhydrieds, 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 CENTER 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

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Supplier number: 013015

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