

Safety Data Sheet for **Ceram-Etch PC Porcelain Etching Gel (5% HF Acid)**

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Company/address/phone	Gresco Products, Inc. - 13391 Murphy Road - Stafford, TX 77477 USA - Phone 281-261-1811
1. Commercial product name and supplier	
1.1. Commercial product name/designation	Ceram-Etch Gel (5% HF Acid)
1.2. Application/use	Acid etching gel for dental ceramic
1.3. Producer	Gresco Products, Inc.
1.4. Supplier	Gresco Products, Inc.
1.5. TOX emergency number	Not Available
2. Composition	
2.1. Chemical characterization	A 9.5% aqueous solution of Hydrofluoric Acid
2.2. Hazardous components	Hydrofluoric Acid, CAS No. 7664-39-3
2.3. Further information	None
3. Hazards identification	
	Causes burns to eyes and skin. Toxic by inhalation. Toxic by ingestion.
4. First aid measures	
4.1. Eye contact	Prompt medical attention is required. Flush eyes thoroughly with water to remove the gel. Contact a physician.
4.2. Skin contact	Flush skin thoroughly with water to remove the gel. Contact a physician.
4.3. Ingestion	Drink large amounts of water, followed by milk or milk of magnesia. Contact a physician.
4.4. Inhalation	Breath fresh air. Contact a physician.
4.5. Further information	None.
5. Firefighting procedures	
5.1. Suitable extinguishing media	None required. Product will not burn.
5.2. Extinguishing media to avoid	None known.
5.3. Further information	None.
6. Accidental release measures	
	Wipe up spill with paper towel and dispose of in proper manner.
7. Handling and storage	
7.1. Handling	Use only in well ventilated area by trained personnel.
7.2. Industrial hygiene	Use care to avoid contact with skin and eyes.
7.3. Storage	Store at room temperature, out of direct sunlight, and away from metals (may cause corrosion).
7.4. Place of storage	Should be stored in poly bag or airtight plastic container.
7.5. Fire and explosion protection	Not combustible - will not burn.
8. Exposure controls/personal protection	
8.1. Technical measures	Use with adequate ventilation.
8.2. Control of threshold units	MAK (maximum workplace concentration) is 3 ppm.
8.3. Personal protective equipment	
8.3.1. Respiratory protection	None required if concentration is below threshold limits.
8.3.2. Hand protection	Latex rubber gloves are recommended.
8.3.3. Eye protection	Safety glasses are recommended. Eye wash station should be located in the work area.
8.3.4. Other	None
9. Physical and chemical properties	

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9.1. Appearance	Viscous liquid
9.2. Color	Green or Dark Red
9.3. Odor	Sharp, acid odor
9.4. Change of physical state	Not applicable
9.5. Density	1.12 gram/cubic meter at 25° C
9.6. Vapor pressure	24 @ at 25° C
9.7. Viscosity	Not known
9.8. Solubility in water	Soluble
9.9. pH	1.9
9.10. Flash point	Not flammable
9.11. Ignition Temperature	Not flammable
9.12. Explosion limits	Not applicable
9.13. Further information	None
10. Stability and reactivity	
10.1. Thermal decomposition	During decomposition, toxic fumes may be released.
10.2. Hazardous decomposition	Hydrofluoric acid
10.3. Hazardous reactions	Avoid excessive heat and direct sunlight.
10.4. Further reactions	Avoid contact with heavy metals.
11. Toxicological information	
11.1. Acute toxicity	May cause burns to the mouth, throat, skin or eyes.
11.2. Subacute/chronic toxicity	Not known.
11.3. Further information	None.
12. Ecological information	
	Acute LC50 for fish is 60 mg/L. German WKG:1.
13. Disposal considerations	
	Neutralize gel with soda ash or lime, then dispose of in accordance with local regulations.
13.1. EU waste key	16 03 03
14. Transport information	
14.1. Transport on land	ADR 8 RID 8 UN Number 1790 Packing Group II Shipping name: Hydrofluoric acid, 60% or less concentration.
14.2. Transport at sea	ADNR 8/6.1 IMDG: 32-04 UN Number 1790 EMS F-A, S-B MFAG Packing Group II Shipping name: Hydrofluoric acid, 60% or less concentration.
14.3. Air transport	ICAO/IATA-DGR Class 8 UN Number 1790 Shipping name: Hydrofluoric acid, 60% or less concentration. Subsidiary risk 6.1 Labels Corrosive and Toxic Packing Group II
passenger airplane	Packing instructions 809 Max. 1 Liter
cargo airplane	Packing instructions 813 Max. 1 Liter
14.4. Further information	None
15. Regulatory information	
	This product requires classification according to the criteria of the Hazmat regulations.

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15.1. UN number
15.2. National regulations
15.3. EU number
15.4. Hazard symbols

1790
Not known
231-634-8



C



T

15.5. Hazard designation

T = Toxic. C = Corrosive. Contains Hydrofluoric acid

15.6. Risk phrases

R: 35-26/27/28
35 Causes severe burns
26/27/28 Very toxic by inhalation, or if contacted with skin,
or if swallowed

15.7. Safety phrases

S: 26-45-1/2-7/9-36/37/39
26 In case of contact with eyes, rinse immediately with
water and seek medical advise.
45 In case of accident, or if you feel unwell, seek medical
advise immediately.
1/2 Keep locked up and out of reach of children.
7/9 Keep bottle tightly closed when not in use.
36/37/39 Wear suitable protective clothing, gloves and eye/
face protection.

15.8. MAK value

3 ml/m³ (ppm) 2.5 mg/m³
(Hydrofluoric acid)

15.9 BVD classification (CH)

Not known

15.10. VbF (D)

Not known

15.11. Further information

None

16. Other information

None