

SAFETY DATA SHEET

PacEtch Professional Dental Acid Etching Gel

Section 1: Product and Company Identification

Product Name: PacEtch Etching Gel

Product Description: Phosphoric Acid Dental Etchant

Manufacturer: Pac-Dent Inc.

670 Endeavor Circle, Brea, CA 92821

Information Phone Number: 1-909-839-0888 (Customer Service)

Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):

CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

SDS Date of Preparation/Revision: February, 1, 2021

Section 2: Hazards Identification

Classification of mixture:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SKIN CORROSION, SERIOUS EYE DAMAGE | Category 1

CARCINOGENICITY | Category 2

Label elements, including precautionary statements Pictogram:



Irritant



Corrosive

Signal Word: DANGER

Precautionary Statement(s):

IF EXPOSED or CONCERNED ABOUT EXPOSURE, consult a physician. IF INHALED: Move to open air. Consult physician. IF ON SKIN: Remove contaminated clothing. Rinse with water. Consult physician. IF INGESTED: Rinse mouth, DO NOT Induce Vomiting. Seek medical attention. IF IN EYES: Flush with fresh water. Remove lenses if possible, continue rinsing. Seek medical attention.

CAUTION: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective clothing, gloves eye and/or face protection. Wash hands thoroughly after handling.

Storage: Keep locked up.

Comments: Dispose contents and container in accordance with governmental regulation.

Section 3: Composition/Information on Ingredients

Chemical name: Mixture

Chemical Family: Phosphoric acid, Orthophosphoric acid

Constituent	CAS Number	Weight Percent
Phosphoric Acid	7664-38-2	38%
Cobalt Aluminate blue spinel	1345-16-0	0.6%
Siloxane	NA	< 2%

Section 4: First-Aid Measures

Description of First-Aid Measures:

- **Inhalation:** Move to fresh, open air. In event of breathing difficulty, seek immediate medical attention.
- **Skin:** Wash with soap and water. Rinse contaminated clothing thoroughly, then remove. Promptly seek medical attention to treat affected area.
- **Ingestion:** Rinse mouth thoroughly with water, DO NOT induce vomiting. Seek immediate medical attention. Consult poison control.
- **Eyes:** Flush with copious amounts of fresh water. Remove any lenses, and continue to flush eyes for approximately 10 minutes. Seek immediate medical attention.

Most Important Symptoms/effects (Acute and Delayed Health Effects):

- **Inhalation:** Potentially harmful if inhaled.
- **Skin:** Caustic, skin burning.
- **Ingestion:** Harmful if ingested.
- **Eyes:** Caustic, severe eye burning.

Notes to physician: Corrosive and/or caustic

Section 5: Fire-Fighting Measures

Flammable (explosive) limits V/V: LEL: N/A UEL: N/A

Extinguishing Media: Water or foam. DO NOT use water jet.

Special Emergency Personnel Procedures: Remove all persons from vicinity of incident. Action should be taken

ONLY by suitable trained personnel.

Unusual fire and explosion hazards: Heated, container may expand and/or burst from pressure.

CAUTION: Handling may cause burn. Decomposed material may produce phosphorus oxide.

Section 6: Accidental Release Measures

Non-Emergency: Steps to be taken if material is released or spilled: Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Waste Disposal Method: Dispose of all wastes in accordance with Federal, State, and Local Regulations.

Environmental Hazards: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Section 7: Handling and Storage

Handling Precautions: Wash hands, forearms and face thoroughly after handling chemical products, before eating, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Storage Precautions: AVOID EXCESSIVE HEAT/DO NOT FREEZE. Store at room temperature. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8: Exposure Controls/Personal Protection

Ventilation: N/A

Respiratory Protection: Not required under normal handling.

Protective Gloves: Chemical resistant, Recommended

Eye Protection: Safety eyewear complying with an approved standard, Recommended

Medical Surveillance: N/A

Section 9: Physical and Chemical Properties

Information on physical and chemical properties:

Appearance (physical state, color, etc.): Gel (Liquid), Blue (Tint)

Odor/Odor threshold: Odorless

Upper/Lower Flammability or Explosive Limits: N/A

pH: N/A

Relative Density: N/A

Melting Point: N/A

Freezing Point: N/A

Boiling Point: N/A

Flash Point: N/A

Evaporation Rate: N/A

Upper/Lower Flammability or Explosive Limits: N/A

Flammability (solid, gas): N/A

Vapor Pressure: N/A

Vapor Density: N/A

Relative Density: N/A

Specific Gravity: N/A

Solubility in Water: Soluble

Partition Coefficient: N/A

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

Section 10: Stability and Reactivity

General reactivity: Stable

Incompatibility (materials to avoid): Avoid contact with heavy metals. Incompatible with peroxides. Amines.

Hazardous decomposition products: Phosphoric acid vapors and phosphoric oxides, if exposed to extreme heat.

Section 11: Toxicological Information

Toxicity: May cause burns to the mouth, throat, skin or eyes

Carcinogenic References: None

Section 12: Ecological Information (non-mandatory)

Toxicity: May cause burns to the mouth, throat, skin or eyes

Persistence and Degradability: N/A

Bioaccumulation Potential: N/A

Mobility in Soil: N/A

Other Adverse Effects: N/A

Section 13: Disposal Considerations (non-mandatory)

Disposal Method: Dispose of all wastes in accordance with Federal, State, and Local Regulations.

Section 14: Transport Information (non-mandatory)

Shipping Name: Phosphoric acid, solution

Identification Number: N/A

Hazard Class: N/A

Labels Required: N/A

Section 15: Regulatory Information (non-mandatory)

California Proposition 65 (cause cancer which would require a warning under statute):	Not on list.
Section 355 (extremely hazardous substances):	Not on list.
SARA 313 (specific toxic chemical listing):	Not on list.
RCRA Code:	Not on list.
TSCA (Toxic Substances Control Act):	Not on list.

Section 16: Other Information

Further Information:

Notice: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Gingi-Pak shall not be held liable for any damage resulting from handling or from contact of the above product. **All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of any material is the sole responsibility of the user.**

Prepared by: Pac-Dent, Inc.