

MATERIAL SAFETY DATA SHEET

1. Name of product and company:

Product name: **Etch Gel**

MANUFACTURER: CONFIDENTAL PRODUCTS CO.
ADDRESS: 416 SOUTH TAYLOR AVENUE
LOUISVILLE, COLORADO 80027

FOR INFORMATION CALL: (303) 665-7535 CHEMTREC: (800) 424-9300

DATE PREPARED: February 10, 1998 REVISION DATE: July 21, 2004

2. Composition/Information on Ingredients:

A. Substances which give the product its health-risk properties, if any.

Phosphoric Acid

3. Hazardous properties:

Physical/Chemical Hazards:	Incompatibility with strong bases and active metals.
Human health Hazards:	Repeated contact with skin may lead to burns and rashes.
Acute hazard:	Slightly toxic when inhaled or ingested.
Chronic hazard:	Slightly toxic when repeated inhalation or ingestion.
Environmental Hazards:	Not determined

4. First aid measures:

Effects and Symptoms:

Inhalation:	Severe irritant
Skin contact:	Mild to severe irritant
Eye contact:	Mild to severe irritant
Ingestion:	Slightly toxic

First Aid Measures:

Inhalation:	Remove person to fresh air
Skin contact:	Wash with soap and water for at least 15 minutes.
Eye contact:	Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
Ingestion:	Do not induce vomiting. Wash out mouth with water, keep at rest.

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5. Fire fighting measures:

Extinguishing Media

Extinguishing Media:	Material is not flammable.
Special fire-fighting procedures:	None required
Unusual fire/explosion hazards:	None reported
Hazardous thermal (de)composition products:	Emits toxic fumes of oxides of phosphorus.
Protection of fire-fighters:	Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus.

6. Accidental release measures:

Personal precautions:	Gloves and eye protection suggested.
Environmental Precautions and Clean-up Methods:	Cover with sodium carbonate and calcium hydroxide. Collect material. Place in an approved metal container.

7. Handling and storage:

Handling:	
Technical Precautions:	To be handled by qualified dental professionals.
Precautions:	Follow the instructions for use.
Storage:	Store at or below room temperature. Keep container dry. Keep container in well-ventilated area.

8. Exposure control/personal protection:

Personal Protective Equipment

Respiratory system:	Respiratory protection is recommended when using large amounts.
Skin and body:	Lab Coat
Hands:	Gloves
Eyes:	Safety glasses or splash goggles

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9. Physical and chemical properties:

Physical state and Appearance:	Viscous Gel
Odor:	No obvious odor
Boiling Point:	No Data
Melting Point:	No Data
Specific Gravity:	1.3
Solubility:	Soluble
Flash Point:	Non-Flammable
Flammability:	No Data
Autoignition temperature:	No Data
Explosion Properties:	Material may burn if exposed to flame

10. Stability and reactivity:

Stability:	This material is stable
Conditions to avoid / Materials to Avoid:	Avoid dehydration by keeping container closed. Reactive metals and bases are materials to be avoided.
Hazardous Reactions:	None reported
Hazardous Decomposition Products:	At flame temperatures, material will emit toxic phosphorus oxide fumes.

11. Toxicological information:

Acute oral toxicity:	LD ₅₀ = 1530 mg/kg (for 85% phosphoric acid)
Skin Irritation:	Irritation to skin can occur.
Eye Irritation:	Irritation to the eyes can occur.

12. Ecological information:

May cause adverse environmental impact if material reaches waterways.

13. Waste disposal:

Methods of disposal; Waste of residues; Contaminated Packaging:	Dispose of waste at an appropriate waste Disposal facility according to current Applicable laws and regulations.
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14. Transport information:

Additional information: Corrosive material.

15. Regulatory information:

Symbols of Danger: Corrosive

R-Phrase:

R 34: Causes burns

R 22: Harmful if swallowed

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S-Phrase:

S 36, S 39: Wear suitable protective clothing and eye/face protection.

S 24, S 25: Avoid contact with skin or eyes.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28: After contact with skin, wash immediately with plenty of soap and water.

S 46: If swallowed, seek medical advice immediately and show the container or label.

16. Other information:

Notice to Reader

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