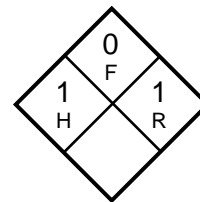


## MATERIAL SAFETY DATA SHEET

YOUNG DENTAL MANUFACTURING  
13705 Shoreline Court East  
Earth City, Missouri 63045



### SECTION 1 – PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

Product Name:	<b>Etching Gel</b>
Catalog Numbers:	370101 and 370104
Product Class:	Dental Device
<b>24-Hour Emergency Phone No.:</b>	<b>(800)-535-5053</b>
<b>Outside the United States:</b>	<b>1-352-323-3500</b>

### SECTION 2 – HAZARDOUS COMPONENTS

Component	CAS No	%	OSHA PEL	ACGIH TVL	Toxicity Data
Phosphoric Acid	7664-38-2	30-60%	1 mg/m <sup>3</sup> (TWA)	1 mg/m <sup>3</sup> (TWA), 3 mg/m <sup>3</sup> (STEL)	LD50 (oral rat) 1530 mg/kg
Ethanol	64-17-5	<10%	1000 ppm (1900 mg/m <sup>3</sup> ) (TWA)	1000 ppm (1880 mg/m <sup>3</sup> ) (TWA)	LD50 (oral rat) 7060 mg/kg

### SECTION 3 – TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Solubility:	Soluble in water
Boiling point:	108° C (226 °F)
Vapor pressure:	Not Determined
Vapor density (Air = 1):	3.4
Melting point:	-35° C (-31 °F)
Evaporation rate (Butyl Acetate =1):	Not Determined
Specific gravity (Water = 1):	1.25
pH	<1.5
Appearance:	Blue-green gel with acrid odor

### SECTION 4 – FIRE AND EXPLOSION DATA – N/A

Flash Point:	Non-flammable
Flammable Limits:	Not Determined
Extinguishing Media:	Not Determined
Special Fire Fighting Procedures:	Not Determined
Unusual Fire and Explosion Hazards:	Not Determined

**SECTION 5 – REACTIVITY DATA**

Stability:	Stable
Materials/conditions to avoid:	Contact with metals and strong bases
Hazardous decomposition of byproducts:	Hydrogen gas may be released if reacted with metal
Hazardous polymerization:	Will not occur

**SECTION 6 – HEALTH INFORMATION AND PROTECTION**

Routes of entry:	Ingestion, eye contact, skin contact and inhalation.
Health hazards:	May cause destruction of skin tissue or primary irritant to dermatitis.
Protective wear:	Protective eye wear and rubber gloves, rubber apron or other protective clothing is recommended. Wash hands thoroughly after use.
Ventilation:	Local exhaust recommended, no respiratory protection required.
Signs and symptoms of exposure:	Irritation of skin and other affected areas.
Medical conditions generally aggravated by exposure:	Pre-existing skin disorders, eye problems, impaired liver, kidney and respiratory functions.
Emergency first aid procedures:	<p>Eye Contact – Flush with water for 15 minutes. If irritation persists contact physician.</p> <p>Skin Contact – Wash affected area thoroughly with soap. If irritation persists contact physician.</p> <p>Ingestion – Consult physician</p> <p>Inhalation – May cause damage to affected tissue and increased susceptibility to respiratory illness.</p>

**SECTION 7 – SPILL CONTROL PROCEDURES**

In case of spill:	Dust with sodium bicarbonate (baking soda). When bubbling ceases, wipe up with damp towel.
Waste disposal method:	Dispose of in accordance with all Federal, State and Local regulations.

**SECTION 8 – TRANSPORT AND STORAGE**

Store away from strong bases, metals, foodstuffs and beverages.
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The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Young Dental Manufacturing makes no recommendation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for particular purpose.

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