

## BLUE GEL ETCH



### Safety Data Sheet

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Version Data 3.8

### Product Description

Blue Gel Etch

### REF NUMBER

### Restrictions to use:

For use only by dental professionals.

**Manufacturer** : International Orthodontic Services  
**Address** : 12811 Capricorn St. Stafford, TX 77477 USA  
**Phone No,** : 1888-10S-8882 ( 1888-461-8882)  
**Emergency Phone No,** : +1 832 342 9487

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## COMPOSITION / INFORMATION ON INGREDIENTS

**Product Contents:** Blue Gel Etch

**Hazardous Ingredients:** Phosphoric Acid (see below)

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Proper Shipping Name: Phosphoric  
CAS: 7664-38-  
UN Designation: UN-  
1805 Class: 8,  
Corrosive Packing

**Hazardous Data**

4- Extreme  
3- High  
2- Moderate  
1- Slight  
0- Insignificant

**Hazardous Data**

Health: 2  
Flammability: 0  
Reactivity: 2

## BLUE GEL ETCH

### HAZARDS IDENTIFICATION

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For potential health hazards: SEE Section 11 below.

No significant hazards to man or the environment are reasonably foreseen.

### FIRST AID MEASURES

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**Inhalation:** No harm anticipated from materials in quantities as packaged.

**Skin Contact:** Rinse with water. Prolonged contact may destroy tissue. Seek medical attention in case of serious irritation or burns.

**Eye Contact:** Immediately rinse with copious amounts of water. Seek medical attention as soon as possible.

**Ingestion:** Corrosive to mouth and throat—Do not induce vomiting. Serve milk in available or solution of sodium bicarbonate (baking soda).

### FIRE FIGHTING MEASURES

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**Suitable Extinguishing Media:** Water contact acceptable.

**Extinguishing Media which should not be used:** None.

**Special exposure hazards from combustion products:** None in quantities as packaged.

**Special protective equipment for fire fighters:** None.

### ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Avoid contact with skin or eyes. Wash hands with soap and water if skin contact occurs.

**Environmental Precautions:** Dispose in DOT approved waste containers.

**Methods for Cleaning Up:** Dilute with large amounts of water and dispose.

### HANDLING AND STORAGE

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**Handling Precautions:** Avoid proximity of reactive metals and alkaline substances.

**Safe Storage Conditions:** Store at temperatures not exceeding 83°F (30°C).

**Other Restrictions or Recommendations:** None.

### EXPOSURE CONTROLS/ PERSONAL PROTECTION

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**Respiratory Protection & Ventilation:** Not required.

**Protective Clothing or Equipment:** Not required.

**Unusual Work/Hygienic Practices:** Avoid prolonged contact with skin; wash with soap and water.

## BLUE GEL ETCH

### PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance:** Blue gel

**Odor:** Negligible

**pH:** ~1

**Boiling Point/Range:** ~100°C

**Melting Point/Range:** Not Applicable

**Flash Point:** Not Applicable

**Auto-Ignition Temperature:** Not Applicable

**Flammability:** No.

**Explosive Limits in Air:** Not Applicable

**Oxidizing Properties:** Not Applicable

**Vapor Pressure (mm Hg):** <760 mm Hg at 100°C

**Vapor Density (Air=1):** <1

**Specific Gravity (H<sub>2</sub>O =1):** ~1.2

**Solubility in Water:** Soluble

**Reactivity in Water:** Not reactive

**Other Data:** None

### STABILITY AND REACTIVITY

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**Stability:** Generally stable

**Conditions of Instability:** Not Applicable

**Incompatibility with Various Substances:** Reactive metals, alkaline substances

**Hazardous Decomposition Products:** Phosphoric acid vapors and phosphoric oxides, if exposed to extreme heat

**Hazardous Polymerization:** Not Applicable

**Conditions to Avoid:** Avoid temperatures above 83°F (30°C).

### TOXICOLOGICAL INFORMATION

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**Potential Acute Health Effects:** Eye irritation upon contact. Skin irritation upon prolonged exposure.

**Potential Chronic Health Effects:** Possibility of severe skin/eye damage upon prolonged or repeated exposure.

**Signs and Symptoms of Exposure:** Skin/eye irritation

**Medical Conditions Generally Aggravated by Exposure:** None known

**Carcinogenic or Potential Carcinogenic Effects:** No ingredient listed as a carcinogen

**Other Potential Health Effects:** None known

## BLUE GEL ETCH

### ECOLOGICAL INFORMATION

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No ecological damage or impact anticipated upon exposure to the environment in quantities as packaged.

### DISPOSAL CONSIDERATIONS

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**Waste Disposal:** Do not dispose into sink. Dispose of in accordance with all federal, state, and local regulations.

### TRANSPORT INFORMATION

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**UN Classification:** UN-1805

**Identification:** Phosphoric Acid

**Special Provisions for Transport:** SEE current Dangerous Goods Regulations

### REGULATORY INFORMATION

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**U.S. FDA Dental Device:** Class II product

**EC Medical Device Directive:** Class IIa product

### OTHER INFORMATION

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Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.