

Safety Data Sheet (SDS Sheet)

Product Name: Etch Gel

Part No. 93606

Date of Preparation: May 01, 2020

Product Name

Section 1: Identification

Product Name: Etch Gel

Product Code: 93606

Description: 33% Phosphoric Acid Green Etching Gel

Product Use: Etching Dental Materials

Almore International 441 19th Street SE, Hickory, NC 28602

Emergency Telephone Numbers: (503) 643-6633 | Telephone for information: (503) 643-6633

Section 2: Hazard(s) Identification

For potential health hazards: SEE Section 11 below.

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

Section 3: Composition/Information on Ingredients

Chemical Name/Common Name: Green, 33% Phosphoric Acid Etching Gel

Product Contents: Enamel Conditioner (Formulation Represents A Trade Secret Mixture)

Hazardous Ingredients: Phosphoric Acid, Solution (see below).

Phosphoric Acid, Solution

Proper Shipping Name: Phosphoric Acid, Solution

CAS: 7664-38-2

UN Designation: UN1805

Class: 8, Corrosive

Packing Group: III

Hazardous Scale

4 - Extreme

3 - High

2 - Moderate

1 - Slight

0 -Insignificant

Hazardous Data:

Health: **2**

Flammability: **0**

Reactivity: **2**

Section 4: First Aid Measures

Inhalation: No harm anticipated from 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 if available or solution of sodium bicarbonate.

Section 5: Fire Fighting Measures

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.

Section 6: Accident Release Measures

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

Environmental Precautions and Methods for Containment: Dispose in DOT approved waste containers.

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

Section 7: Handling and Storage

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.

Section 8: Exposure Controls / Personal Protection

OSHA Permissible Exposure Limits: Not established.

Respiratory Protection & Ventilation: Not required under normal handling.

Protective Clothing or Equipment: Exam gloves and safety glasses recommended.

Unusual Work/Hygienic Practices: If contact with skin or eyes occurs, wash immediately with copious amounts of water.

Section 9: Physical and Chemical Properties

Appearance (physical state, color, etc.): Green gel.

Odor: Negligible.

Odor threshold: Not established.

pH: ~1.

Melting point/freezing point: Not applicable.

Initial boiling point and boiling range: ~100°C.

Flash point: Not applicable.

Evaporating rate: Not established.

Flammability (solid, gas): No.

Upper/Lower flammability or explosive limits: Not applicable.

Section 10: Stability and Reactivity

Stability: Generally stable.

Conditions of Instability: Not applicable.

Incompatibility or Reactivity 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).

Section 11: Toxicological Information

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.

Section 12: Ecological Information

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

Section 13: Disposal Considerations

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

Section 14: Transport Information

UN Classification: Not applicable.

Identification: Not applicable.

Special Provisions for Transport: See current Dangerous Goods Regulations.

Section 15: Regulatory Information

Not applicable.

Section 16: Other Information

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 SDS 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 SDS information may not be applicable.

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