



Product #

SP 65-023 B

Issue Date: July 12, 2000

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MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification

PRODUCT NAME: 9g Light Gel Etch Bottle - Boxed

COMMON OR CHEMICAL NAME: Green, Phosphoric Acid Etching Agent

MANUFACTURED BY:
Scientific Pharmaceuticals, Inc.
3221 Producer Way
Pomona, California 91768
USA

EMERGENCY TELEPHONE:
INFOTRAC 800-535-5053

GENERAL INFORMATION:
909-595-9922

SECTION 2. Composition/Information on Ingredients

Product Contents: Enamel Conditioner

Hazardous Ingredients: Phosphoric Acid (see below).

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HAZARDOUS DATA:
Health: 2

CAS: 7664-38-2
UN Designation: UN-1805
Class: 8, Corrosive
Packing Group: III

HAZARDOUS DATA

Proper Shipping Name: Phosphoric Acid

4 - Extreme

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

Flammability: 0
Reactivity: 2

SECTION 3. Hazards Identification

For potential health hazards: SEE Section 11 below.

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

SECTION 4. First Aid Measures

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 if available or solution of sodium bicarbonate (baking soda).

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. Accidental Release Measures

Personal Precautions: Avoid contact of 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.

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

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.

SECTION 9. Physical and Chemical Properties

Appearance: Green liquid.

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 (H₂O=1): ~1.2

Solubility in Water: Soluble.

Reactivity in Water: Not reactive.

Other Data: None.

SECTION 10. Stability and Reactivity

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).

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.

SECTION 11. Toxicological Information (cont.)

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 into sink. Dispose of in accordance with all federal, state, and local regulations.

SECTION 14. Transport Information

UN Classification: UN-1805

Identification: Phosphoric Acid

Special Provisions for Transport: SEE current Dangerous Goods Regulations.

SECTION 15. Regulatory Information

U.S. FDA Dental Device: Class II product

EC Medical Device Directive: Class IIa product

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 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.

MSDS Approved by: Dr. Jan Orlowski