



Product # 18-400-V

Issue Date: October 17, 2011

Page 1 of 3

MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification

PRODUCT NAME: Viscous Etch

COMMON OR CHEMICAL NAME: Green, Phosphoric Acid Etching Solution

MANUFACTURED BY:

Dentonics, Inc.
2833 Tophill Rd.
Monroe, NC 28110
USA

EMERGENCY TELEPHONE:

800-727-4737

GENERAL INFORMATION:

704-238-0245

SECTION 2. Composition/Information on Ingredients

Product Contents: Viscous Etch

Hazardous Ingredients Contained in Enamel Conditioner: Phosphoric Acid

Hazardous Ingredients: Phosphoric Acid

Proper Shipping Name: Phosphoric Acid
CAS: 7664-38-2
UN Designation: UN-1805
Class: 8, Corrosive
Packing Group: III

HAZARDOUS DATA

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

HAZARDOUS DATA:

Health: 2
Flammability: 0
Reactivity: 2

SECTION 3. Hazards Identification

For potential health hazards: SEE section 11 below.
The material is strongly acidic.

SECTION 4. First Aid Measures

Inhalation: No harm anticipated

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: Product is not combustible.

Special protective equipment for fire fighters: Customary for possible contact with acidic materials.

SECTION 6. Accidental Release Measures

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

Environmental Precautions: Dispose in DOT approved waste containers designed for acidic materials.

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

Large quantities: Neutralize and dispose in accordance with federal, state, and local regulations.

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: Be aware of signs of leakage.

SECTION 8. Exposure Controls/Personal Protection

Respiratory Protection & Ventilation: Not required

Protective Clothing or Equipment: Required; use clothing and equipment designed for handling acid. Use goggles.

Unusual Work/Hygienic Practices: If contact with skin or eyes occurs, was immediately with copious amounts of 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: No

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: Will not occur

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

SECTION 11. Toxicological Information

Name: Viscous Etch
Product Number: 18-400-V

Revision Date: 10/17/11
Print Date: 10/17/11

Page 3 of 3
MSDS

Potential Acute Health Effects: Eye and skin irritation upon contact

Potential Chronic Health Effects: Possibility of sever 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

The material represents a strong acid

SECTION 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with all federal, state, and local regulations for caustic materials and phosphates.

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: Randy Leander