

# MATERIAL SAFETY DATA SHEET

## GEL ETCHANT

### 1 - IDENTIFICATION

**Manufacturer:** Kerr Corporation  
**Address:** 1717 West Collins Avenue  
**City, State, Zip:** Orange, CA 92867-5422  
**Telephone:** 1-800-KERR-123  
**Emergency:** Chemtreec 1-800-424-9300  
**Date Prepared:** May 2009

### 2 - COMPOSITION INFORMATION

#### Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Phosphoric Acid	7664-38-2	1mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	37.5

#### Other Ingredients

Water, fumed silica, dye colorant

### 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212 °F  
**Specific Gravity (H<sub>2</sub>O = 1):** ≈1.2  
**Vapor Pressure (mm Hg):** N/A  
**Melting Point:** N/A  
**Vapor Density (AIR = 1):** N/A  
**Solubility in Water:** Partially soluble  
**Reactivity in Water:** N/A  
**Appearance and Odor:** Odorless, dark blue gel

### 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Flammable Limits: LEL:** N/A **UEL:** N/A  
**Extinguishing Media:** Not considered to be a fire hazard  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None

### 5 - REACTIVITY DATA

**Stability:** Stable  
**Conditions to Avoid:** N/A  
**Incompatibility (Material to Avoid):** Strong caustics, metals, sulfides and sulfites  
**Hazardous Decomposition Products:** Toxic fumes of phosphorous oxides  
**Hazardous Polymerization:** Will not occur

### 6 - HEALTH HAZARD DATA

**Routes of Entry:**  
**Skin:** Corrosive. May cause redness, pain and skin burns.  
**Eyes:** Corrosive. May cause redness, pain and eye burns.  
**Inhalation:** Inhalation is not an expected hazard unless misted or heated to high temperatures.  
**Ingestion:** Corrosive. May cause sore throat and burns of the mouth and throat.  
**Carcinogenicity -** NTP: No  
**IARC Monographs:** No **OSHA Regulated Carcinogen:** No

### 7 - EMERGENCY FIRST AID PROCEDURES

**Skin:** Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention.  
**Eyes:** Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.  
**Inhalation:** Remove to fresh air.  
**Ingestion:** Do not induce vomiting. Give large quantities of water and get medical attention.

### 8 - PRECAUTIONS FOR SAFE HANDLING & USE

**Steps to be taken in case material is released or spilled:** Absorb spills with inert material and transfer to suitable container for disposal.  
**Waste Disposal Method:** Incinerate in proper equipment. Dispose of in accordance with local regulations.  
**Precautions to be taken in handling and storing:** Store at normal room temperature (65°F-75°F).  
**Other precautions:** Use according to directions. Contact with skin, soft tissue, eyes and cut dentine should be avoided and can cause surface damage to soft tissue.

### 9 - CONTROL MEASURES

**Respiratory Protection (Specify Type):** N/A  
**VENTILATION:**  
**Local Exhaust:** N/A  
**Mechanical (General):** Usually sufficient  
**Protective Gloves:** Protective are gloves recommended.  
**Eye Protection:** Safety glasses or goggles  
**Other Protective Clothing or Equipment:** None  
**Work/Hygiene Practices:** Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

### 10 - TRANSPORTATION INFORMATION

**Regulated:** DOT, IATA, IMO  
**Proper Shipping Name:** Phosphoric Acid, Solution  
**Hazard Class:** 8  
**Identification Number:** 1805  
**Packing Group:** III  
**Label:** Corrosive  
**Note:** See 49 CFR 173.4

### 11 - SPECIAL INFORMATION

**HMIS (Hazardous Material Identification System) Rating:**  
H3 F0 R0  
[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard;  
2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

**Note:** This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information in this MSDS is, to the best of our knowledge, believed to be accurate.