

MATERIAL SAFETY DATA SHEET

ACID ETCHANT LIQUID

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867-5422
Telephone: 1-800-KERR-123
Emergency: Chemtrec 1-800-424-9300
Date Prepared: February 23, 2004

2 - COMPOSITION INFORMATION

Hazardous Ingredients

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

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212°F
Specific Gravity (H₂O = 1): >1.2
Vapor Pressure (mm Hg): 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): N/A
Protective Gloves: Protective gloves to prevent skin contact.
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
Hazard Class: 8
Identification Number: 1805
Packing Group: III
Label: Corrosive
Note: See 49 CFR 173, 4

11 - SPECIAL INFORMATION

HMS (Hazardous Material Identification System) Rating :
H3 F0 R0
[Hazard 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.