

MATERIAL SAFETY DATA SHEET

CLEAN 'N ETCH

#899

SECTION 1 - General Information

Manufactured by: Great Lakes Laboratories
Address: 12780 Wayne Road
 Livonia, MI 48150
Emergency Phone: 1-800-888-1105
Office: 1-313-525-8300
Date revised: 1/1/98

HMIS	RATING
Health:	3
Fire:	0
Reactivity:	1
Other:	0

SECTION 2 - Hazardous Ingredients

Hazardous Material Description: Phosphoric Acid
Class, ID NO.: Corrosive, UN1805
Chemical Name: Phosphoric Acid
CAS # : 7664-38-2
% Weight: 40% - 60%
CARCINOGEN: OSHA - No
 ACGIH - No

SECTION 3 - Physical Characteristics

Boiling Point: 212°F
Vapor Pressure(mm Hg): N/A
Vapor Density(Air = 1): N/A
Specific Gravity (Water = 1): 1.24
pH: 1.0
Evaporation Rate (butyl acetate = 1): Equal to Water
Solubility in Water: Complete
Appearance: Orange Liquid
Odor: None

SECTION 4 - Health Hazard Data

Exposure Limits:
Threshold Limit Value: 1 mg/cu. m (ACGIH)
PEL: 1 mg/cu. m (OSHA)
STEL: 3 mg/cu. m (OSHA)

Effects of Acute Overexposure: Phosphoric Acid has low acute oral and moderate dermal toxicity. Phosphoric Acid is corrosive to eyes. Slightly toxic if inhaled.

SECTION 4 - Continued

Emergency and First Aid Procedures:

Swallowing: Do not induce vomiting. Drink plenty of water. See a physician immediately.
Skin: Immediately wash with soap and water. If irritation occurs and persists, see a physician.
Eyes: Flush with water for at least 15 minutes, lifting upper and lower eyelids repeatedly. See an ophthalmologist.
Inhalation: Remove to fresh air. If breathing difficulty or discomfort occurs, see a physician.

SECTION 5 - Fire and Explosion

Flash Point: None
Extinguishing Media: N/A

Special Fire Fighting Procedures: Full protective clothing and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: At flame temperatures, will emit toxic phosphorus oxide fumes.

SECTION 6 - Reactivity

Stability: Stable
Conditions to Avoid: Contact with strong alkaline materials and reactive metals.
Incompatibility: Contact with reactive metals may produce flammable hydrogen/air mixtures. Reacts violently with strong bases.

Hazardous Decomposition or By Products: At flame temperatures, will emit toxic phosphorus oxide fumes.

SECTION 7 - Control Measures

Respiratory Protection: Wear mask to prevent inhalation
Ventilation: Keep concentration below TLV level.
Protective Gloves: Impervious rubber or plastic.
Eye Protection: Chemical safety goggles.
Protective Clothing: Hat, boots and jacket may be needed in heavy mist or spill situation.

SECTION 8 - Spill/Leak Procedures

In Case of Spill: Stop leak. Dike and absorb with inert absorbent. Neutralize washings with soda ash or lime.
Waste Disposal Method: In accordance with regulations.
CERCLA Reportable Qty.: 5,000 lbs.
RCRA Hazard Waste #: N/A
VOC: None

SECTION 9 - Precautions for Safe Handling
Handling/Storage: Store in a cool, dry place. Keep container closed.
Other Precautions: Keep out of reach of children. Keep from freezing.

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