



THATCHER COMPANY MATERIAL SAFETY DATA SHEET  
PRODUCT: ACID CLEANER 510  
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MSDS Date: May 4, 2004  
Emergency Contact: 1-800-424-9300

**SECTION I**

**PRODUCT NAME:** Acid Cleaner 510

**CHEMICAL NAME:** Mixture

**CHEMICAL FAMILY:** Mixture

**DOT SHIPPING INFORMATION:** Compound, Cleaning, Liquid  
(Phosphoric acid), 8, NA 1760  
PG III

**SECTION II - HAZARDOUS INGREDIENTS**

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Phosphoric Acid	7664-38-2	<40	TLV: 1 mg/m <sup>3</sup> (TWA) 3 mg/m <sup>3</sup> (STEL)

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

This product is subject to SARA section 313 reporting requirements

**SECTION III - PHYSICAL DATA**

**BOILING POINT (F):** Approx. 220

**SPECIFIC GRAVITY:** 1.27

**VAPOR PRESSURE (mm Hg):** Unknown

**% VOLATILE, BY VOLUME:** Unknown

**VAPOR DENSITY (air = 1):** Unknown

**EVAPORATION RATE:** Unknown

**SOLUBILITY IN WATER:** Complete

**APPEARANCE AND ODOR:** Clear, colorless to light amber solution with mild, acid odor.

**SECTION IV - FIRE AND EXPLOSION DATA**

**FLASH POINT:** Nonflammable

**FLAMMABLE LIMITS:** Lel: N/A Uel: N/A

**EXTINGUISHING MEDIA:** Use any.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Use protective equipment to prevent contact with product.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**



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May emit fumes of phosphoric acid and phosphorus oxides with high heat.

**SECTION V - REACTIVITY DATA**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS OR MATERIALS TO AVOID:**

Will react strongly with alkaline materials, most metals, wood and other organic materials.

**SECTION VI - HEALTH HAZARD DATA**

**Carcinogenic Listing:**

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section

**ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:**

**Contact:** Corrosive. Can cause severe burns to skin and eyes.

**Inhalation:** Can cause irritation or burns.

**Ingestion:** Harmful or fatal if swallowed, due to burns to the gastrointestinal tract.

**STATEMENT OF PRACTICAL TREATMENT:**

**Contact:** Immediately flush with large amounts of water. For eyes, flush for at least 15 minutes and get medical attention.

**Inhalation:** Remove person to fresh air.

**Ingestion:** If conscious, give several glasses of water or milk. **Do not induce** vomiting. Call a physician immediately.

**SECTION VII - SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE PRECAUTIONS:**

Store in a cool, well-ventilated area. Avoid contact with skin or eyes. Do not breathe the vapor. Wear proper protective clothing when handling.

**STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:**

Wearing safety equipment, dike the liquid and recover into drums, if possible. Neutralize residue with soda ash and flush into sewer if permitted.

**WASTE DISPOSAL METHOD:**

Un-neutralized waste product is an EPA Hazardous Waste (D002) due to corrosivity. Comply with all



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local, state and federal regulations.

**OTHER PRECAUTIONS:** Avoid contact with incompatible materials.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** None normally required.

**VENTILATION:** Work with adequate ventilation.

**EYE PROTECTION:** Wear goggles.

**SKIN PROTECTION:** Wear rubber gloves.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothes as needed to prevent contact with skin and eyes.

**ACGIH** = American Conference of Governmental Industrial Hygienists

**CL** = Ceiling Level

**IARC** = International Agency for Research on Cancer: Monographs

**OSHA** = Occupational Safety and Health Administration

**N/A** = Not Applicable

**NTP** = National Toxicology Program: Annual Report on Carcinogens

**PEL** = Permissible Exposure Level (OSHA)

**TLV** = Threshold Limit Value (ACGIH)

**TWA** = Time Weighted Average over 8 Hours

**STEL** = Short Term Exposure Limit (ACGIH)

**ND** = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.