



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: ACID CLEANER 500
Page 1 of 3

MSDS Date: February 27, 2009
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAME: Acid Cleaner 500
CHEMICAL NAME: Mixture
CHEMICAL FAMILY: Mixture

DOT SHIPPING INFORMATION: Compound, Cleaning liquid,
(Phosphoric and Nitric Acid),
8, UN 1760, PG II.

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	7768-38-2	20-30	TLV: 1 mg/m ³ (TWA)
Nitric acid	7697-37-2	15-25	TLV/PEL: 2 ppm (TWA)

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.

Phosphoric and Nitric Acids are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372.

SECTION III - PHYSICAL DATA

BOILING POINT (F): Approx. 240

SPECIFIC GRAVITY: 1.28

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 biting, acidic odor.



THATCHER COMPANY MATERIAL SAFETY DATA SHEET

PRODUCT: ACID CLEANER 500

Page 2 of 3

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:

None.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

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 similar organic materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of nitrogen may be formed.

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: Can cause severe burns to skin or eyes.

Inhalation: Can cause irritation or burns.

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

SECTION VI - HEALTH HAZARD DATA (Cont'd)

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: Get into fresh air.



THATCHER COMPANY MATERIAL SAFETY DATA SHEET

PRODUCT: ACID CLEANER 500

Page 3 of 3

Ingestion: If conscious, give several glasses of milk or water and call a physician immediately. DO NOT induce vomiting.

SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Store in a cool, well-ventilated area. Avoid contact with skin or eyes. Do not breathe 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 to sewer if permitted.

WASTE DISPOSAL METHOD:

Waste product is an EPA Hazardous Water (DOO2) due to corrosivity. Comply with all 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 or 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.