

MATERIAL SAFETY DATA SHEET

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)
This material safety data sheet conforms to the requirements of ANSI Z400.1

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

UK3000AC – UltraKlean 3000 AC

Manufacturer/Supplier:

American Chemical Technologies, Inc.
485 E. Van Riper Road, Fowlerville, MI 48836
Office: 517-223-0300 Fax: 517-223-1703

Emergency Spill Information:

INFOTRAC 1-800-535-5053
24 HOURS/DAY, 7 DAYS/WEEK

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Range % by wt.</u>
Water	7732-18-5	30% - 50%
Phosphoric Acid	7664-38-2	25% - 35%
	TLV: 1 mg/m ³ STEL: 3 mg/m ³	
Sulfuric Acid	7664-93-9	5% - 15%

SECTION 3 – HAZARDS IDENTIFICATION

Potential Health Effects:

Eye Contact: Corrosive. Causes eye damage.

Skin Contact: Corrosive. Causes irritation and burns.

Inhalation: Breathing of vapor can cause respiratory irritation and inflammation.

Ingestion: Corrosive. Causes irritation and burning in mouth and throat. Avoid swallowing.

HMIS Code: (Health:3) (Flammability:0) (Reactivity:0) (Protection: C)

NFPA Code: (Health:3) (Flammability:0) (Reactivity:0)

SECTION 4 – FIRST AID MEASURES

Eye: Immediately flush eyes with water for 15 minutes. Get prompt medical attention.

Skin: Flush skin with water for 15 minutes. Get medical attention if irritation persists. Remove contaminated clothing and launder before re-use. Discard contaminated shoes.

Inhalation: Avoid prolonged exposure and remove individual to fresh air.

Ingestion: DO NOT induce vomiting. If swallowed, drink lots of water or, preferably, milk. Get medical attention if effects persist.

Primary Routes of Entry: Skin, eyes, inhalation.

SECTION 5 – FIRE FIGHTING MEASURES

Flashpoint: None **Method:** C.O.C.

UEL: Not applicable.

LEL: Not applicable.

Autoignition Temperature: Not applicable.

Flammability Classification: Not Flammable.

Extinguishing Media: Not applicable. Product is non-flammable.

Unusual Fire and Explosion Hazards: Avoid skin and eye contact, and breathing of acid vapors. Wear head and body protection and acid respirator if exposure to liquid is likely.

Fire Fighting Equipment: Wear head and body protection and acid respirator if exposure to liquid is likely.

Hazardous Combustion Products: Not applicable.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case Material is Released or Spilled: Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or re-use, or for neutralization with alkali before collection and disposal. Personnel should use eye and skin protection.

SECTION 7 – HANDLING AND STORAGE

Handling: Only use containers and equipment designed for acid service. Use a respirator if area is poorly ventilated.

Storage: Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and alkali (caustic soda, lime, etc.) convenient.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye: Wear splash proof goggles or side shield safety glasses.

Skin: Wear acid resistant protective gloves if working with product concentrate. Provide convenient safety showers.

Inhalation: Use NIOSH/MSHA approved equipment when TLV limits are exceeded.

Engineering Controls: Control airborne concentrations below the exposure guidelines.

SECTION 9 – CHEMICAL AND PHYSICAL PROPERTIES

Appearance and Odor	: Straw colored liquid with pleasant odor
pH	: <1
Vapor Pressure	: Not applicable
Boiling Point	: 210 °F
Melting Point	: Not applicable
Solubility (water)	: Complete
Specific Gravity	: 1.14 (water = 1)
Viscosity	: water thin
Percent Volatiles	: 0%

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Extreme heat.

Materials to Avoid: Avoid strong alkalis, materials not resistant to strong acids, active metals (zinc, aluminum, magnesium, etc.)

Hazardous Decomposition: Possible phosphorus oxide fumes at fire temperatures. Contact with active metals can release flammable gas.

Hazardous Polymerization: Does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological testing has not been conducted on this product.

SECTION 12 – ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

SECTION 13 – DISPOSAL INFORMATION

Disposal must be in accordance with applicable federal, state, or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

U.S. Dept. of Transportation

Shipping Name: contains Phosphoric Acid

Hazard Class: Class 8 Corrosive Liquid

UN number: 1760

Packaging Groups: III

SECTION 15 – REGULATORY INFORMATION

All components of this product are on the U.S. TSCA inventory.

Superfund Amendments and Reauthorization Act of 1986 Title 111(Emergency Planning and Community Rights to Know Act) section 313: Reportable for SARA Title III, S.313

(Form R): Phosphoric Acid.

SECTION 16 – SPECIAL PRECAUTIONS

Prepared By: Mark D. Latunski

Date Revised: 03/17/2011

Supersedes: 02/03/2004

Date Prepared: 11/18/1998

The information provided herein is believed to be accurate to the best of the company's knowledge as of the date of its issue. We do not warrant or guarantee the information provided and will not be held liable for any loss or damage from its use.