

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard
 29 CFR 1910. 1200. Standard must be
 consulted for specific requirements.

Identity (As Used on Label and List)

ChemRite® Coil Cleaner – Bulk

Utex Style 2000

ChemRite® is a registered trademark of Utex Industries, Inc.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Date Prepared: June 16, 1998

SECTION I**Manufacturer's Information:**

Utex Industries, Inc.
 10810 Old Katy Road, Suite 100
 Houston, Texas 77043

Telephone No. (Information): 713-467-1000 / 800-359-9229

24 Hour Emergency No. (Chem-Tel, Inc.): 800-255-3924

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydrofluoric Acid (CAS# 7664-39-3)	3 ppm	3 ppm	N/E	<3
Phosphoric Acid (CAS# 7664-38-2)	1 mg/m ³	1 mg/m ³	N/E	N/E

NE = None Established

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	220°F	Specific Gravity (H₂O = 1):	1.21
Vapor Pressure (mm Hg):	Not available	Melting Point:	No data
Vapor Density (AIR = 1):	No data	Evaporation Rate (Butyl Acetate = 1):	1

Solubility in Water: Complete

Appearance and Odor: Clear solution with acidic odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None	Flammable Limits:	LEL No data	UEL No data
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Extinguishing Media: Water, foam, dry chemicals

Special Fire Fighting Procedures: Wear self-contained breathing apparatus

Unusual Fire and Explosion Hazards: Hydrogen fluoride

SECTION V - REACTIVITY DATA

Stability: Stable **Conditions to Avoid:** None known

Incompatibility (Materials to Avoid): Strong alkaline materials

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: May Occur

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? X Skin? X Ingestion? X

Health Hazards (Acute and Chronic): Severe burns on skin. Irritation of respiratory tract. Severe eye burns.

Carcinogenicity: NTP? No data IARC Monographs? No data OSHA Regulated? Yes

Signs and Symptoms of Exposure: Severe burns with ulceration. Removes calcium from tissue.

Medical Conditions Generally Aggravated by Exposure: No data

Emergency and First Aid Procedures: 2.5% Calcium Gluconate for neutralizer.

Ingestion: Drink plenty of water and milk. DO NOT INDUCE VOMITING! In all cases, call physician immediately.

Skin: Rinse with water, then use Zephira or Calcium Gluconate.

Eyes: Rinse with water then irrigate with 1% Calcium Gluconate.

Inhalation: Apply oxygen; DO NOT INDUCE VOMITING! Drink plenty of water and milk. Call physician immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Collect with absorbent and neutralize with lime; flush with water.

Waste Disposal Method: Dilute with plenty of water. Neutralize with caustic soda or lime and dispose of in accordance with federal, state, and local regulations.

Precautions to Be Taken in Handling and Storing: Keep in cool place and handle with extreme care. ALWAYS USE GLOVES AND GOGGLES.

Other Precautions: ALWAYS USE GLOVES AND GOGGLES AND HAVE ZEPHIRAN SOLUTION ON PREMISES! DOT ID: Hydrofluoric Acid Solution/8,6/UN17 G: II (Corrosive, Subrisk Poison)

SECTION VIII - CONTROL MEASURES

Respiratory Protection (*Specify Type*): Respirator with GM-type chemical cartridges

Ventilation:

Local Exhaust: No data

Special: No data

Mechanical (*General*): Yes

Other: No data

Protective Gloves: Acid-resistant rubber gloves

Eye Protection: Goggles

Other Protective Clothing or Equipment: Plastic apron

Work/Hygienic Practices: Handle all acid products with care

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