

FOR CRITICAL PROCESS CLEANING

CANI

COMMITMENT TO CONSTANT AND NEVER ENDING IMPROVEMENT

AC-420

ACID CLEANER/DESCALER

For Use On:

- Pharmaceutical devices
- Medical devices
- Carbon & urine scales
- Cosmetic devices
- Inorganic salts & scales
- Animal cages
- Mineral deposits



DESCRIPTION

AC-420 is a concentrated liquid, acidic cleaner/descaler formulated for the pharmaceutical, cosmetic, and medical device and food and beverage industries. It effectively removes a wide range of process and research residues, from inorganic salts and scales, particulate carbon and urine scales. When used as directed, AC-420 is safe for use on stainless steel substrates. The product is especially effective in manual pre-spraying, when necessary, in animal cagewash applications.

AC-420 is designed to be low foaming at all temperatures for easy rinsing. Extremely free rinsing promotes a clean, residue free surface.

DIRECTIONS

Typical use concentrations of AC-420 run from 0.2% to 5.0% by volume and depend on temperatures, soil loads, and cleaning methods used.

Contact CANI, Inc. for technical services or product recommendations.

PRODUCT SPECIFICATIONS

Form: Liquid
Odor: characteristic
pH1% solution: 1.5-3.0
Specific Gravity: 1.16-1.26
Solubility: complete
Foam: low
Color: pink

CANI, INC.

1758 Allentown Road, Lansdale, PA 19446

Phone: (610) 222-4500

Fax: (610) 222-4203

www.caniusa.com

CRITICAL PROCESS CLEANING



SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: AC-420**Generic Name:** Acid Descaler**Chemical Family:** Acid Detergent Blend**Formula:** Proprietary**Supplier's Name:** Cani, Inc.**Supplier's Address:** 1758 Allentown Road, Box 146, Lansdale, PA 19446**Supplier's Phone #:** (610) 222-4500**FAX #:** (610) 222-4203

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Phosphoric Acid	7664-38-2	34 to 36	1mg/M ³	1mg/M ³	3mg/M ³
Amphoteric Surfactant	N/A	< 5.0			
Dye	N/A	< 0.01			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F. **Specific Gravity:** 1.218
Vapor Pressure: <20mm Hg @ 68 F. **Vapor Density (Air=1):** >1
% Volatile: 40+ **pH:** 1.0 – 1.8
Solubility in Water: Complete **Evaporation Rate (Water=1):** <1
Physical Description: Thin pink liquid with characteristic odor.

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A **Lower Explosion Limit:** N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: Phosphoric oxide vapors in a fire. Hydrogen gas evolved when in contact with aluminum.
Hazardous Polymerization: None
Incompatibility (Materials to Avoid): Strong alkalis and oxidizers. Avoid contact with aluminum, brass, soft metals.

SECTION 6-STORAGE AND HANDLING INFORMATION

Corrosive. Severe eye and skin irritant. Avoid contact with eyes, skin and clothing. Wear rubber gloves and protective eyewear when handling. Wash hands after use. Avoid breathing of vapors. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Use in well-ventilated area. Avoid contact with aluminum. Do not mix with any other chemicals or cleaners

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Severe skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis.
Eyes: Severe eye irritant. Liquid and mists may burn or injure eyes, causing corneal damage.
Inhalation: May be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion: Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting and diarrhea. Excessive amounts may cause collapse.
First Aid Procedures:
Skin: Flush exposed area with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention immediately.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Acid proof rubber or viton.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Eyewash station, chemical resistant apron and boots.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Immediately evacuate all unessential personnel from area. Ventilate area well. Acquire special protection equipment as noted in Section 8. Absorb spill with inert material. Neutralize with soda ash or lime. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If disposed of in its purchased form, this product has the RCRA characteristic of corrosivity and would have an EPA Hazardous waste number of D002. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash..

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:

No - Fire Hazard
No - Sudden Release of Pressure Hazard
No - Reactivity Hazard
Yes - Immediate (acute) Health Hazard
No - Delayed (chronic) Health Hazard

Shipping Information:

FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid (phosphoric acid), 8, NA-1760, PGIII
FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid (phosphoric acid), 8, NA-1760, PGIII (Limited Quantity)
FOR CONTAINERS < 1 GALLON: ORM-D

HMIS Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	0
Personal Protection	D

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product