



**Maintenance Solutions**

# Acidulate

## Foaming Acid Cleaner



### For Use On:

Toilets  
Shower Stalls  
Countertops  
Walls

Urinals  
Fountains  
Chrome  
Floors

Sinks  
Tile and Grout  
Kitchens  
Swimming Pools

### DESCRIPTION

A fast acting foaming acid-type cleaner that quickly and effectively removes oil, heavy soil, mineral deposits, scale, urinary salts and soap films from bathroom sinks, toilets, shower stalls, tile floors, swimming pools, stainless steel, chrome fixtures, and drinking fountains. High foaming to provide increased contact time on vertical surfaces. Safe to use while leaving a clean fresh scent.

### DIRECTIONS

Foam application yields the greatest economy and obtains the full advantages of foam including extensive contact time. Cold water works excellent. For even greater chemical action, warm water may be used.

<i>LIGHT DUTY</i>	—1 part to 35 parts water
<i>MEDIUM DUTY</i>	—1 part to 25 parts water
<i>HEAVY DUTY</i>	—1 part to 15 parts water
<i>EXTRA HEAVY DUTY</i>	— 1 part to 5-10 parts water

Foam onto surface; letting foam react, penetrate and loosen soil. Brush and rinse well. Always rinse thoroughly after using.

Recommended dilution for terrazzo surfaces is: 1 part cleaner to 35 parts water.

Not recommended for use on marble.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by State and Federal regulations.

### PRODUCT SPECIFICATIONS

<b>Active Ingredients:</b>	35.0 ± 0.5%	<b>Detergency:</b>	Excellent
<b>Color:</b>	Light amber	<b>Rinsability:</b>	Excellent
<b>Odor:</b>	Wintergreen	<b>Fumes:</b>	None
<b>Base:</b>	Sequestering acids	<b>Flash Point:</b>	None (waterbased)
<b>pH:</b>	1.0 - 1.5	<b>Biodegradability:</b>	Complete
<b>Viscosity:</b>	Moderately viscous	<b>Storage/Stability:</b>	2 years
<b>Foam:</b>	High	<b>Weight per Gallon:</b>	9.59 lbs./gal.
<b>Abrasives:</b>	None	<b>Freeze / Thaw Stability:</b>	Keep from freezing
<b>Solubility:</b>	Complete with water	<b>VOC Content:</b>	None
<b>Sequestration:</b>	Excellent		

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

<b>Manufacturer's Name:</b> Misco Products Corporation	<b>Product Name:</b> Acidulate
<b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605	<b>Generic Name:</b> Foaming Acid Cleaner
<b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Chemical Family:</b> Acid Detergent Blend
	<b>Formula:</b> Proprietary

## 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	25 to 30	1mg/M <sup>3</sup>	1mg/M <sup>3</sup>	3mg/M <sup>3</sup>
Anionic Surfactant	27176-87-0	0 to 5			
Perfume Oil	N/A	0 to 5			

## SECTION 3-PHYSICAL DATA

<b>Boiling Point (°F):</b> 210 F.	<b>Specific Gravity:</b> 1.151
<b>Vapor Pressure:</b> <20mm Hg @ 68 F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 60+	<b>pH:</b> 1.0-1.5
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> <1
<b>Physical Description:</b> Moderately viscous liquid with pleasant odor.	

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

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

## SECTION 5-REACTIVITY DATA

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

## SECTION 6-STORAGE AND HANDLING INFORMATION

Corrosive. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear rubber gloves and protective eyewear when handling. Wash hands after use. Avoid breathing of vapors. 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 if irritation persists.  
**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 neoprene.  
**Eye Protection:** Safety glasses or chemical face shield.  
**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:** Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. 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. 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

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

**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