

Maintenance Solutions

Non-Foaming Descaler



For Use On:

Stainless Coffee Urns Sinks Utensils Steel Glasses Ceramics Dishes Yogurt **Fixtures** Machines

DESCRIPTION

A multi-purpose, non-foaming acid cleaner which removes mineral deposits and other difficult acid susceptible soils. This product removes lime, food film, and scale from stainless steel, aluminum, ceramic, and plastics. For use in food service areas, dairies, washrooms, shower rooms, laboratories, veterinary areas, and general housekeeping. Excellent for use on dishwashers, coffee urns, steamtables, and other food service equipment.

DIRECTIONS

- —To remove light or medium build up in dishwashers, fill tank 3/4 full, add one gallon of this product to tank, turn on and circulate until lime disappears.
- -For glassware, use 1/2 ounce per gallon of water and soak glasses until clear of lime build up, rinse thoroughly.
- -To clean yogurt machines and coffee urns, use 3 ounces of product per 2 gallons of hot water. Swab down interior, drain and flush thoroughly.
- -On steamtables, brush or spray full strength. Let stand for 5 minutes, fill with hot water. Brush steamtable thoroughly, drain and rinse with clean water.

PRODUCT SPECIFICATIONS

Active Ingredients: $40.0 \pm 0.5\%$ Color: Light pink Odor: Mild

Sequestering acids Base: pH: 1.0 - 1.5Viscosity: Water thin Foam: Low Abrasives:

Solubility: Complete with water

None

Sequestration: Excellent **Detergency:** Excellent Rinsability: Excellent Fumes: None

Flash Point: None (waterbased)

Biodegradability: Complete Storage/Stability: 2 years Weight per Gallon: 11.67 lbs./gal. Freeze / Thaw Stability: Keep from freezing

Misco Products Corporation • Reading, PA • (800) 548-4568 FAX (610) 926-1194 www.miscoprod.com

MATERIAL SAFETY DATA SHEET

N/A=Not Applicable Prepared by: Regulatory Affairs Dept. Effective Date: 5/99 Revision: n/a (Prepared According to 29 CFR 1910.1200)

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Product Name: Lime Off Misco Products Corporation

Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605 $\textbf{Manufacturer's Phone \#:} \quad (610) \quad 926\text{-}4106$ Generic Name: Non-Foaming Descaler Chemical Family: Acid Detergent Blend

Formula: Proprietary

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CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV	
Water	7732-18-5	to 100				
Phosphoric Acid	7664-38-2	35 to 40	1mg/M^3	1mg/M^3	3mg/M^3	
Nonionic Surfactant	9016-45-9	0 to 5	-	-	-	
Dye	N/A	0 to 5				

SECTION 3-PHYSICAL DATA		SECTION 4-FIRE AND EXPLO	OSION HAZARD DATA
Boiling Point (°F): 210 F.	Specific Gravity: 1.401	Flash Point (Method Used): N/A	
Vapor Pressure: <20mm Hg @ 68 F.	Vapor Density (Air=1): >1	Upper Explosion Limit: N/A	Lower Explosion Limit: N/A
% Volatile: 60+	pH: 1.0-1.5	Extinguishing Media: N/A	
Solubility in Water: Complete	Evaporation Rate (Water=1): <1	Special Firefighting Procedures: Non Fla	ammable

Unusual Fire and Explosion Hazards: N/A Physical Description: Thin pink liquid with characteristic odor.

SECTION 5-REACTIVITY DATA

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. 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 wellventilated area. Avoid contact with aluminum. Do not mix with any other chemicals or cleaners

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

Stability: Stable

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.

Eve Protection: Safety glasses or chemical splash goggles.

Other Protective Equipment: Eyewash station, chemical resistant apron and

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

Health	2
Flammability	0
Reactivity	0
Personal Protection	В

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		
7664-38-2	Phosphoric Acid	38		
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