

MIGHTY MAC BRAND

PORCELAIN *Tile Cleaner*

DESCRIPTION

This product is an extra strength clinging bowl, tile, and porcelain cleaner and deodorizer designed to remove heavy build-up of water scale, soap scum, urinary salts, and rust from hard surfaces. Can be used to clean and deodorize wash basins, bath tubs, shower stalls, drinking fountains, toilet bowls, urinals, and sinks. Its clinging formula controls run-off for effective usage. Contains no harmful hydrochloric or sulfuric acids.

DIRECTIONS

TOILET BOWLS: Remove water by forcing it over the trap with the swab mop. Saturate swab with the cleaner and wet all surfaces thoroughly. It is most important to swab under the rim of the bowl to clean water outlets. Allow cleaner to remain for at least 10 minutes until all rust, scale, and stains are loosened. Rinse by flushing.

URINALS: Place clean mop over trap in urinal and saturate with bowl cleaner. Swab urinal thoroughly. Remove screen at urinal trap and pour approximately 6 to 8 ounces of concentrate into and around drain opening. Allow to soak a few minutes. Replace screen and flush well.

TILE, WASHSTANDS, SHOWERS, FIBERGLASS, STAINLESS STEEL: Always dilute product by adding 1 quart of product per gallon of water. Using a swab mop, sponge, brush or cloth; apply to wet all surfaces thoroughly. Rinse thoroughly with clear water after several minutes. Do not use on any surface, such as marble, that can be damaged by acidic materials. Many surfaces are not resistant to acid.

PRODUCT SPECIFICATIONS

| | |
|---------------------------------|---------------------|
| Acid Content: | 20.0±0.5% |
| Color: | Pink |
| Odor: | Cherry |
| Base: | Phosphoric acid |
| pH: | 1.0 - 1.5 |
| Viscosity: | Thick and clinging |
| Abrasives: | None |
| Solubility: | Complete with water |
| Detergency: | Excellent |
| Rinsability: | Excellent |
| Fumes: | None |
| Flash Point: | None |
| Hard Water Tolerance: | Excellent |
| Biodegradability: | Complete |
| Storage/Stability: | 2 years |
| Weight per Gallon: | 8.49 lbs./gal. |
| Freeze / Thaw Stability: | Keep from freezing |



Reorder#
19-0765



SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Porcelain Tile Cleaner
Generic Name: Porcelain Tile Cleaner
Chemical Family: Acid Detergent Blend
Formula: Proprietary

Suppliers Name: Michco
Suppliers Address: 2011 N. High St., Lansing, MI 48906
Suppliers Website: www.Michco.com

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 | 20 to 25 | 1mg/M ³ | 1mg/M ³ | 3mg/M ³ |
| Nonionic Surfactant | 9016-45-9 | 0 to 5 | | | |
| Dimethyl Benzyl Ammonium Chloride | 8001-54-5 | 0 to 5 | | | |
| Xanthan Gum | 11138-66-2 | 0 to 5 | | | |
| Perfume Oil | N/A | 0 to 5 | | | |

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.
Vapor Pressure: <20mm Hg @ 68 F.
% Volatile: 65+
Solubility in Water: Complete
Physical Description: Thick pink liquid with pleasant odor.

Specific Gravity: 1.139
Vapor Density (Air=1): >1
pH: 1.0-1.5
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
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.

Hazardous Polymerization: None
Incompatibility (Materials to Avoid): Strong alkalis.

SECTION 6-STORAGE AND HANDLING INFORMATION

DANGER. Corrosive to eyes. Severe skin irritant. Avoid contact with eyes, skin and clothing. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Wear rubber gloves and protective eyewear when using. Avoid breathing of vapors. Use in well-ventilated area.

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: chemical splash goggles.
Other Protective Equipment: Eyewash should be available nearby.

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 | 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