

# Phosphoric Acid Cleaner

## Deep Cleaning Action for Most Concrete/Masonry Surfaces

- Pre-Cast Concrete Paver
- Masonry
- Flamed & Honed Granite
- Flamed & Honed Limestone
- Cast Stone
- Quarry Tile
- Swimming Pool Slides
- Fountains
- Concrete
- Sanded Grout
- Cleft & Honed Slate
- Tumbled & Honed Marble
- Unglazed Ceramic Tile
- Porcelain Tile
- Tiles at Water Surface

## Special Features

- Easy-to-Use
- Interior & Exterior
- Fast Acting
- Less Expensive

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Phosphoric Acid Cleaner is a fast acting, easy to use acid-base cleaner for pre-cast concrete, concrete, masonry, grout, tile and natural stone surfaces. Phosphoric Acid Cleaner will remove cement grout and mortar residue, joint cement, lime & hard water deposits, efflorescence, rust and other dirt and grime. Phosphoric Acid Cleaner is suitable for interior and exterior use. Due to the nature of Phosphoric Acid, Phosphoric Acid Cleaner is a milder alternative to acid-base cleaners for concrete, tile, grout and natural stone surfaces.

## Sample Testing

Due to the differences of each surface, several inconspicuous test patches should be completed to assure maximum performance. **User must determine suitability of the product for their intended use.**

## Protect Neighboring Surfaces

Always protect neighboring surfaces including wood, carpet, metal, landscaping and other incompatible surfaces.

## APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using.

Thoroughly wet the surface to be cleaned with clean water. Phosphoric Acid Cleaner may be applied with a clean mop or acid resistant brush. Dilute Phosphoric Acid Cleaner 15 parts water to 1 part Phosphoric Acid Cleaner. For stronger solutions, reduce the water down to as low as 3 parts. Allow the solution to dwell on the surface for 1 - 5 minutes while agitating with a brush. Do not allow the solution to dry on the surface. Work in small areas. Extract dirty remains with a wet vacuum system. Multiple applications may be necessary. After extracting Phosphoric Acid Cleaner Solution, rinse thoroughly with clean water. Once the surface has been rinsed, rinse the surface with Mira Clean #1 and clean water (20 - 1) as directed.

If a non-acid deep cleaning is necessary, use Liquid Powlite as directed.

## Special Notes:

Acids, no matter how mild, may etch, lighten or alter the color of tile, cementitious and natural stone surfaces. Repeated acid washing may damage some surfaces.

Avoid contact with all metals

Do not mix with ammoniated cleaners as harmful fumes may result.

Allow all new grout, concrete, cement or masonry to cure per manufacturer's specification before using Phosphoric Acid Cleaner.

**Light Cleaning:** Use Mira Clean #1, Porcelain & Ceramic Tile Cleaner or Mira Soap as directed.

## Water, Stain & Slip Protection

To protect clean surfaces from future soiling, staining and increase static coefficient of friction, we recommend applying the appropriate Miracle Penetrating Sealer/Impregnator.

## Color and Gloss Enhancement

For added color with "Textured and Non polished" surfaces, 511 Seal & Enhance or Mira Matte may be used. For porous type "Pavers", 511 Seal & Enhance may be used as directed.

## Mold, Mildew and Bacteria Sanitation

For best results in killing mold, mildew, bacteria and other micro organisms, use **Miracle Wipes** as directed.

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application method. Used as directed, Phosphoric Acid Cleaner will cover approximately 500 - 2500 square feet per gallon (45 - 250 square meters per 3.785 liters).

## MAINTENANCE

For ongoing maintenance instructions please refer to **Miracle Sealants Care Guide**. Refer to the **Miracle Sealants Product Recommendation Chart** for specific product recommendations.

## Storage

Store Phosphoric Acid Cleaner in the original container, properly sealed to avoid contaminations and evaporation. Keep in the upright position. Stored at 77° F (40° C), Phosphoric Acid Cleaner will have a shelf life of 12 months. Do not allow to freeze.

## Technical Support

For additional technical support, contact Miracle Sealants Company at 1-800-350-1901 or 626-443-6433 ext. 3013

## Office Hours

Monday - Friday from 8:30 am - 5:00 pm PT.  
1-626-443-6433 or 1-800-350-1901 • Fax: 1-626-443-1435  
website: www.miraclesealants.com

## Product Damaged During Transportation

If product is damaged during transportation contact Info Trac @ 1-800-535-5053

## Additional Products

Miracle Sealants Company offers a complete line of water & stain repellents, sealers, cleaners, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## Caution

Phosphoric Acid Cleaner contains phosphoric acid. Keep away from eyes and skin. Do not inhale or swallow. Acid resistant gloves and clothing should be worn at all times. NIOSH Respirators should worn. Use in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Continue to ventilate until odors are eliminated. Inhaling odors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Keep small children and pets out of area until product or surfaces have dried thoroughly. **Refer to the MSDS for additional information.**

## Warranty

Instructions are a condensed guide and should not be considered complete. In the event of failure, the only obligation of Miracle Sealants Company shall be to replace such products proven to be defective. **Before using, user shall determine the suitability of the product for their intended use. User assumes all risks and liability whatsoever in connection therein.** Neither seller nor manufacturer shall be liable for any injury or inability to use this product.

# Phosphoric Acid Cleaner

**Osha's Hazard Communication Standard****U.S. Department Of Labor**

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: Phosphoric Acid Cleaner

**Section 1**

Manufacturers Name: Miracle Sealants Company  
Address: 12318 Lower Azusa Road  
Emergency Phone: 800-350-1901  
City: Arcadia  
state: CA  
Phone: 626-443-6433  
Date Prepared: 10-2008

**Section 2 - Hazardous Ingredient/Identity Information**

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Phosphoric Acid *	7664-38-2	3 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>
VOC : o% by weight			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: Not Available	Specific gravity: 1.22
Vapor pressure: Not Tested	Melting point: Not tested
Vapor density: Not Tested	Evaporation rate: Not tested
Solubility in water: 100%	

Appearance and odor: Green, acrid odor.

**Section 4 - Fire And Explosion Hazard Data**

Flash point: Not Available	Flammable limits: Not tested
LEL: Not tested	UEL: Not tested
pH: .5 - 2.0	

NFPA hazard rating (0 = Least, 4 = Extreme)

Health: 2	Fire: 0
Reactivity: 0	Other: 0

HMS Hazard Rating:

Health: 2	Fire: 0
Reactivity: 0	

Extinguishing media: None

Special fire fighting procedures: None

Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable

Incompatible materials to avoid: Strong oxidizers

Hazardous decomposition products: CO, CO<sub>2</sub>

Hazardous polymerization: Will not occur.

Conditions to avoid: None

**Section 6 - Health Hazard Data****Routes of Entry:**

Eyes - Possible

Inhalation - Possible

Skin - Possible

Ingestion - Possible

Health Hazards - Same as signs and symptoms of overexposure.

Carcinogenicity:

OSHA: None NTP: None

IARC Monographs: None

**Signs and Symptoms of Overexposure:**

Eyes: Burning sensation

Skin: Irritant

Ingestion: Severe burning irritation

Inhalation: Burning irritation

Medical conditions aggravated by exposure: None known

**Emergency and First Aid Procedures:**

**Eyes:** Flush with water for 15 minutes. If irritation persists, call a physician.

**Skin:** Wash off with soap and water; if irritation persists, call a physician.

**Ingestion:** Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Inhalation:** Get person to fresh air. If unconscious, call a physician

**Section 7 - Precautions For Safe Handling And Use**

Steps to be taken in case material is released or spilled: Soak up with inert, absorbent material. Scoop up and place in proper waste disposal container.

Waste disposal method: Dispose of in accordance with federal, state and local regulations.

Precautions to be taken in handling and storing: Store in a cool, dry place, out of direct sunlight. Do not freeze equal to or less than 32° F or heat above 110° F.

Other precautions: KEEP OUT OF REACH OF CHILDREN. Follow directions on the container for proper use of this product.

**Section 8 - Control Measures**

Respiratory protection: Ventilate by opening all doors and windows. If exposure above the TLV or PEL require a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required.

**Ventilation:**

Local exhaust - If available

Special - None

Mechanical - If available

Other - None

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting, splash proof safety goggles.

Other protective clothing or equipment: Chemical resistant clothing

Work hygienic practices: Wash hands thoroughly before handling food stuffs, liquids or tobacco products. Use common sense and care around chemicals. Never mix this product with other chemicals. Consult your supervisor for all other hygienic and safety practices. All practices depend on your specific business. Directions for use normally found on label which will dictate engineering and control measures.

**Section 9 - Shipping & Regulatory Classification**

DOT Shipping Name: Please refer to the Bill of Lading receiving/ documents for up-to-date information.

DOT#: NA1760 DOT Hazard Class: Not Available

Toxic Substances Control Act (TSCA): This product and/or all the ingredients contained in this product have been registered under the Toxic Substances Control Act.

**SARA:** No SARA 313 chemicals identified.

**NOTE:** Miracle Sealants believes the data set forth are accurate. Miracle Sealants makes no warranty with respects thereto and disclaims all liability or reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.