

# 511 Seal & Enhance

Impregnating Color Enhancer



www.miraclesealants.com

**Osha's Hazard Communication Standard US Dept. of Labor**

Identity No:	Name: <b>511 Seal &amp; Enhance</b>
<b>Section 1</b>	
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:	12-2009

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

Hazardous Components	CAS#	OSHA PEL	ACGIH TWA
Solvent Naphtha (Petroleum)	64742-88-7	500 ppm	100 ppm
Medium Aliphatic			

**Section 3 - Physical /Chemical Characteristics**

Boiling Point: Appx. N200° C	Specific gravity (H2o=1) -1.25
Vapor pressure: Not Determined	Melting point: Not Determined
Vapor density(air=1) : Heavier than air	Evaporation rate(Butyl) : 01
Solubility in water: None	
Appearance and odor: Clear, Colorless to amber Liquid.	
VOLATILE BY VOLUME: 0 60-70%	
VOC CONTENT: 591 g/L	

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

Flash point: 145° F	Method: Pensky-Martens closed cup ASTM D 93
Flammable limits: Not tested	
LEL: not tested	UEL: Not tested
pH: Not Applicable	DOT#: UN 1268
NFPA hazard rating- HFRS (0-Least, 4-Extreme): 2	
HMIS hazard rating- HFR (0-Least, 4-Extreme): 2	

Extinguish media: Foam, water spray or fog. Dry chemical powder, CO2, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.

Special fire fighting procedures: wear full protective clothing and self-contained breathing apparatus.

Unusual fire and explosion hazards: none

**Section 5 - Reactivity Data**

Stability: Conditions to avoid: extreme heat and open flames	
Hazardous Combustion products:	
Burning can produce the following combustion products:	
Oxides of carbon	Oxides of nitrogen
Oxides of silicone	Traces of Hydrogen Fluoride

Carbon monoxide is highly toxic if inhaled; carbon dioxide is sufficient concentrations can act as a asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

**Section 6 - Health Hazard Data**

Harmful or fatal if swallowed
Causes eye and skin irritation
Harmful if swallowed
Harmful if inhaled
Harmful if absorbed through skin
Aspiration may cause lung damage
May cause allergic skin reaction
May cause dizziness and drowsiness
May cause liver and kidney disorders
Medical conditions generally aggravated by exposure- same as signs and symptoms of over exposure.

**Emergency and First Aid Procedures:**

Eyes: Flush with water for 15 minutes. If irritation persists call a physician.  
 Skin: wash off with soap and clean water for 15 minutes. If irritation persists call a physician.  
 Ingestion: Drink large amounts of water. Call Physician  
 Inhalation: Remove person to fresh air. If not breathing, administer artificial respiration including oxygen. Provide medical attention.

**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 a proper waste disposal container.  
 Waste disposal method: Dispose of in accordance with 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 less than or equal to 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  
 Mechanical- if available  
 Special- none  
 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**

U.S. Department of Transportation Classification (49CFR)
ID # UN1993
Proper Shipping Name PETROLEUM DISTILLATES, N.O.S.
Class/ Division 3
Packing group III
Marine Pollutant: No
Transportation Class: 55
IMDG
ID # UN1268
Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.
Class/ Division 3
Packing group III
IATA (Country variations may apply)

**Section 10 - Regulatory Information:**

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.

**Section 302 - Extremely Hazardous Substances:**

None.

**Section 304 - CERCLA Hazardous Substances:**

Cas #	Appx. Wt. %	Component name
1330-20-7	4-5	Xylene
100-41-4	1.3	Ethylbenzene
108-88-3	Trace	Toluene

**Section 312 - Hazard Class:**

Acute: Yes	Chronic: Yes	Fire: Yes
Pressure: No	Reactive: No	

**Section 313 - Toxic Chemicals:**

Cas #	Appx. Wt. %	Component name
1330-20-7	4-5	Xylene
100-41-4	1.3	Ethylbenzene

**Supplemental State Compliance Information**

California:  
 Warning: This product contains the following chemical(s) listed by the state of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

Cas #	Appx. Wt. %	Component name
108-88-3	Trace	Toluene
Massachusetts:		
Cas #	Appx. Wt. %	Component name
1330-20-7	4-5	Xylene
100-41-4	1.3	Ethylbenzene
New Jersey:		
Cas #	Appx. Wt. %	Component name
1330-20-7	4-5	Xylene
100-41-4	1.3	Ethylbenzene
68988-56-7	4-8	Trimethylated silica
3555-47-3	Trace	Tetra(trimethoxysiloxy) silane
Pennsylvania:		
Cas #	Appx. Wt. %	Component name
68988-56-7	4-8	Trimethylated silica
1330-20-7	4-5	Xylene

EPA Hazard Waste: Not Available

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.

# 511 Seal & Enhance

Impregnating Color Enhancer

**Ready to Use "One Step" Solvent Base Penetrating/Color Enhancer for All Honed, Textured and Polished Stone & Tile Surfaces Including:**

- Granite
- Marble
- Natural Stone
- Slate
- Limestone
- Quarry Tile
- Grout
- Not for Concrete/Masonry

**Special Features**

- Superior Stain Protection
- Superior Color Enhancement
- Oil Resistant
- Water Resistant
- One Product, One Step
- Durable
- Easy-to-Use
- Grout Release
- Interior & Exterior Applications
- Non Yellowing
- Color Enhancing Grout Sealer
- Revives Color to Washed Out Grout

**Product Description**

KEEP OUT OF REACH OF CHILDREN. **511 Seal & Enhance** is a unique, one-step formula designed for maximum stain protection and superior color enhancement. It will enhance the color of tumbled, honed, acid-washed, saandblasted, flamed, textured and polished natural stone, brick, grout & clay pavers. **511 Seal & Enhance** can also be used on new installations as a grout release before the grouting process.

**Sample Testing**

Due to variations between substrates, sample testing is recommended to assure maximum performance and suitability for the intended use. Once enhanced, stone cannot be restored to its original color. **Users must determine the suitability of the product for their intended use.**

**NEW INSTALLATIONS**

Read entire label and PDS/MSDS before using. **511 Seal & Enhance** should not be diluted or thinned in any way. **511 Seal & Enhance** should be used as directed from approved container.

Follow the recommended installation methods and procedures of the Marble Institute of America, Building Stone Institute and the Tile Council of America. Allow new setting materials and grout to cure per manufacturers instructions prior to sealing.

**Sealing as a Grout Release**

To insure the best possible installation, **511 Seal & Enhance** should be applied as a grout release before the grouting process. **511 Seal & Enhance** will resist dye absorption, facilitate grout residue removal (up to 45% faster), and offer superior stain resistance during and after the construction process.

**Directions**

1. Protect neighboring and adjacent surfaces including baseboards, wood, carpet, metal and landscaping.
2. Sweep or vacuum all dust, dirt and surface debris.
3. Insure the surface is clean, dry and free from contaminants.
4. Liberally apply an even application of **511 Seal & Enhance** using a **Miracle Sealants' Mira Brush**, clean white towel or natural fiber paint brush. Be careful not to allow sealants into open un-grouted joints.
5. Allow **511 Seal & Enhance** to penetrate the surface for 3 - 5 minutes before removing all excess product before it dries on the surface with a clean towel.
6. A 2nd application is necessary and should be applied after the first has dried at least 1 hour.

7. Any excess product residue that may dry on the surface can be removed by reapplying product and wiping excess off immediately while wet, with a white terry cloth towel. Allow to cure 6 - 12 hours before grouting.
8. Proceed with the grouting process per the manufacturer's instructions.
9. Clean all excess grout completely from the surface with a clean sponge and water. Take the time at this stage of the installation to carefully clean and detail.
10. Allow grout joints to dry per manufacturers specification.
11. If grout clean up is not performed effectively, additional cleaning may be necessary.

**Grout Sealing**

Once the grout has cured per the manufacturers recommendations, proceed with the sealing of the grout.

**Directions**

1. Insure that the surface is clean, dry and free from contaminants.
2. Liberally apply an even application of **511 Seal & Enhance** using a **Miracle Sealants' Mira Brush**, clean white towel or a natural fiber paint brush directly to untreated grout joints.
3. Allow **511 Seal & Enhance** to penetrate the surface for 3 - 5 minutes before removing all excess product with a clean towel.
12. A 2nd application is necessary and should be applied after the first has dried at least 1 hour.
13. Any excess product residue that may dry on the surface can be removed by reapplying product and wiping excess off immediately while wet, with a white terry cloth towel. Allow to cure 6 - 12 hours before grouting.

Finished area should be allowed to cure for 12 - 24 hours before putting into service. For optimum results keep area dry and free from stains for 72 hours after application.

**EXISTING INSTALLATIONS**

Surface must be dry and free of contaminants including previously applied sealers, coatings, waxes, dirt, lime & hard water deposits, efflorescence, rust and other heavy dirt and grime.

**Floor Finish Removal**

To remove existing floor finish and/or waxes use **Mira Strip** for solvent base finish and **H2O Strip** for water base finish as directed.

**Heavy Duty Cleaning**

To remove lime, hard water deposits, efflorescence rust and other heavy dirt and grime use **GCFR (Grout, Concrete Film Remover)** "Stronger" or **Phosphoric Acid Cleaner** "Mild-Strong" as directed. These acid cleaners can affect the surface finish of acid sensitive stone and tile. For acid sensitive stone or tile use **Liquid Powlitce** as directed.

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### Light Cleaning

For light cleaning use **Mira Clean #1** as directed.

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### Sealing (Surface & Grout)

Follow the application instructions previously mentioned, except now seal grout joints at the same time as the rest of the stone or tile surface. When treating the surface and grout at the same time make sure to saturate the grout with **511 Seal & Enhance**. Do not allow **511 Seal & Enhance** to puddle on the surface.

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### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution is left on the surface and application methods. Used as directed, **511 Seal & Enhance** will cover approximately 250 - 2,000 square feet per gallon (25 - 200 square meters per 3.785 liters).

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### RESEALING

Resealing will vary depending on porosity, density, hardness, foot traffic and the elements (indoor or outdoor) the area is exposed to. As a general rule, medium to dense surfaces exposed to heavy foot traffic can be resealed every 1 - 3 years. Very hard surfaces exposed to heavy foot traffic can be resealed every 3 - 5 years. It is important to remember that any additional or future applications of **511 Sealants** will require approximately half the amount of sealant as originally used.

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### Storage

Store **511 Seal & Enhance** in the original container, properly sealed to avoid contamination and evaporation. When store in the upright position at 77° F (40° C), **511 Seal & Enhance** will have a shelf life of 12 months. Do not allow to freeze.

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### Technical Support

For additional technical support, contact Miracle Sealants Company @ 1-800-350-1901 or 626-443-6433 ext. 3013.  
Monday – Friday from 6:30 am – 5:00 pm PT.

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### Office Hours

Monday – Friday from 8:30 am – 5:00 pm PT.  
1-626-443-6433 • 1-800-350-1901 Fax: 1-626-443-1435

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### Website

[www.miraclesealants.com](http://www.miraclesealants.com)

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### Product Damage

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

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### 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.

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### 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 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.

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### Caution

**511 Seal & Enhance** contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well-ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. Refer to the MSDS for additional information.

# 511 Impregnator

## Natural Look Penetrating Sealer

**Water, Stain & Slip Protection for**

■ Quarry Tile	■ Ceramic Tile	■ Porcelain Tile
■ Glazed Tile	■ Marble	■ Granite
■ Travertine	■ Slate	■ Grout
■ Quartz	■ Brick	■ Terrazzo

**Uses**

■ Interior & Exterior	■ Kitchen	■ Showers
■ Restrooms	■ Patios	■ Drive Ways

**Special Features**

■ Easy-to-Use	■ Weather Resistant	■ Low Toxicity
■ Salt Resistant	■ Non Coating	■ Freeze/Thaw Resistant
■ Acid Resistant	■ Non Yellowing	■ Stain Resistant
■ Slip Resistant	■ U.V. Transparent	■ Water Resistant

**PRODUCT DESCRIPTION**

**KEEP OUT OF REACH OF CHILDREN.** This product is formulated for sealing concrete and masonry to provide resistance against water, alkalis, acids, ultraviolet light, staining, salt ion intrusion and freeze/thaw damage. **511 Impregnator** is a unique polymerized silicone formulation designed for the protection of all medium to dense porous tile, stone and grout surfaces. **511 Impregnator** penetrates into the surface and forms an invisible barrier that is resistant to moisture and stains, while allowing vapor to escape. **511 Impregnator** is not a surface coating and will not alter the natural look. All surfaces are harder and less slippery. **511 Impregnator** can be used on interior and exterior applications. **511 Impregnator** is U.V. transparent, resists acid rain and will not yellow under any circumstances. **511 Impregnator** averages five to twenty times the coverage of competitive products. (See coverage chart). **511** products have been formulated for or applied to freshly poured concrete to retard the evaporation of water.

**511 Impregnator** is on the approved sources list of the United States Postal Service and is U.S.D.A. approved for incidental food contact in federal meat and poultry establishments.

**Test Data**

Independent laboratory tests show **511 Impregnator** out performs competitive products. Test results are available upon request for Staining, Static Coefficient of Friction, Tabor Abrasion, Surface Absorption, Freeze/Thaw, Vapor Transmission and Bacteria Repellency.

**NOTE:** On more porous surfaces use **511 Porous Plus** as directed. For any questions concerning grout refer to the grout manufacturers specifications. **511 Impregnator** will not stop acid etching.

**Sample Testing**

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

**Color Enhancement**

For added color with "TEXTURED AND NON POLISHED" surfaces, **511 Seal & Enhance** or **Mira Matte** may be applied as directed.

**Gloss Enhancement**

For a higher gloss finish on POLISHED stone surfaces, use **Water Ring & Etch Remover**, **Marble Conditioner**, **Mira Dust**, **Granite Brite** or **Mira Polish**. For counters and furniture, use **Stone Polish**. For tile surfaces, try **Tile Brite**.

**Slip Resistance**

**511 Impregnator** increases the static coefficient of friction on all surfaces. **511 Impregnator** has been used successfully for compliance with the American Disability Act's recommendations for slip resistance (ASTM C 1028-89) on polished & honed surfaces.

**Protect Neighboring Surfaces**

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

**NEW INSTALLATIONS - APPLICATION INSTRUCTIONS**

Read entire label and PDS/MSDS before using. **511 Impregnator** should not be diluted or thinned in any way. **511 Impregnator** should be used as is direct from approved container.

**Before Grouting:** Apply **511 Impregnator** to all surfaces prior to grouting. This step will allow quick and easy cleanup after grouting. Grout can stain many surfaces if this procedure is not used prior to the grouting process. Apply **511 Impregnator** using a **Mira Brush** or a clean towel. Apply enough to wet the surface. (See coverage charts) Be careful not to saturate the open grout joints. Allow **511 Impregnator** to stand for approximately 3 - 5 minutes for maximum penetration. All excess must be removed at this time by buffing surface with a clean dry towel. This is very important on polished, glazed and porcelain surfaces. Allow **511 Impregnator** to cure for 6 - 12 hours before continuing with the grouting procedure.

**After Grouting:** Once grouted, make sure that all grout residue is removed from the surface with a clean sponge and water. Allow grout to cure per manufacturers specification. If grout clean up is not performed effectively, an additional cleaning may be necessary to remove remaining grout residue or haze. For this procedure use **Phosphoric Acid Cleaner**, (**GCFR**) **Grout & Concrete Film Remover (Hydrochloric Acid)**, **Sulfamic Acid Crystals** or **Epoxy Grout Film Remover** following the instructions carefully. Once the area has completely dried, proceed with the sealing of the grout for water and stain resistance. Apply **511 Impregnator** to all grout with a paint brush. Any excess sealer that gets on the surface should be wiped off with a clean towel before it dries. On larger jobs grout can be sealed by retreating the entire area includ-

ing the tile or stone surface a second time. Be careful not to allow the sealer to puddle or dry on presealed surfaces.

**Existing Installation - Surface Preparation**

Surface must be dry and free of contaminants, including previously applied sealers, dirt, lime & hard water deposits, efflorescence, rust & other heavy dirt and grime.

**Surface Coating/Wax Removal:** To remove existing coatings and/or waxes, use **Mira Strip** or **H2O Strip** as directed.

**Heavy Duty Cleaning:** To remove lime and hard water deposits, efflorescence, rust, grease and other heavy dirt and grime use **GCFR (Grout & Concrete Film Remover) Phosphoric Acid Cleaner** as directed.

For a non acid deep clean use **Liquid Poutlice** as directed.

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

**Existing Installation - Application Instructions**

Follow the application instructions previously mentioned, except now, seal the grout and tile or stone surfaces at the same time. When treating surfaces together, make sure that the recessed grout is saturated.

**Residue Removal**

To remove accumulated **511 Impregnator** residue, use **Miracle Residue Remover** as directed.

**Color and Gloss Enhancement**

For color & gloss enhancement, use **Mira Matte** or **Mira Shine** as directed.

**Cure Time**

**511 Impregnator** will be dry to the touch in 1 - 3 hours and may be used for normal foot traffic. For optimum results the area should be kept dry and free from staining materials for 72 hours.

**Coverage Chart - Used as directed**

	Cost per sq.ft./sq.m.	1000 sq.ft. 90 sq.m.	2000 sq.ft. 180 sq.m.	3000 sq.ft. 270 sq.m.	4000 sq.ft. 360 sq.m.
Sanded Grout	(.06-.11)				
Quarry Tile	(.05-.09)				
Ceramic Tile	(.03-.05)				
Glazed Tile	(.03-.05)				
Porcelain Tile	(.02-.03)				
Polished Granite	(.02-.03)				
Polished Marble	(.02-.03)				
Terrazzo	(.03-.05)				
Brick	(.05-.09)				
Slate	(.05-.09)				
Quartz	(.03-.05)				
Travertine	(.03-.05)				
Masonry	(.05-.09)				

Cost per sq.ft. is based on a suggested list price of \$105/gallon. 1 gallon = 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 **511 Impregnator** in the original container, properly sealed to avoid contamination and solvent evaporation. Stored at 77° F (40° C), **511 Impregnator** will have a shelf life of 12 months.

**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 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 Product**

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 do-it-yourself specialist.

# 511 Impregnator

## Natural Look Penetrating Sealer

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: 511 Impregnator

#### 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: 12-2009

#### Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Petroleum Distillate	64741-65-7	100ppm	150ppm

VOC: Less than or equal to 738 g/L

#### Section 3 - Physical/Chemical Characteristics

Boiling point: 355 - 395° F	Specific gravity: 0.80
Vapor pressure (200 C): .5 mm hg	Melting point: Not Available
Vapor density (Air=1): 5.3	Evaporation rate: < 0.1
Solubility in water: Insoluble	Density: 798 Kg/M <sup>3</sup>
Appearance and odor: Clear, colorless, aromatic liquid.	

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

Flash Point: 125° F (PCC)	Flammable limits:
LEL: 1	UEL: 7
pH: Neutral	DOT#: Not Available
NFPA Hazard rating H F R S (0-Least, 4-Extreme): 1 2 0 0	
Extinguishing media: Dry chemical, CO <sub>2</sub> , water fog	

Special fire fighting procedures: Combustible, wear bunker gear and NIOSH approved breathing apparatus.

Unusual fire and explosion hazards: Cool exposed containers with water to prevent rupturing. Heat will cause phosgene gas.

#### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: Keep away from sources of ignition such as heat, sparks or open flames.  
Incompatible materials to avoid: Oxidizing agent.  
Hazardous polymerization: Will not occur.  
Hazardous decomposition products: Carbon monoxide, carbon dioxide, silicic acid, fumes of xylene, aromatic and aliphatic hydrocarbons.

#### Section 6 - Health Hazard Data

##### Routes of entry:

Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health hazards - Same as signs and symptoms of exposure  
OSHA carcinogenicity - None; NTP - None; IARC monographs - None

##### Signs and symptoms of over exposure

Eyes: Causes severe eye irritation  
Skin: Causes mild skin irritation, drying of the skin. May cause an allergic skin reaction.  
Ingestion: Harmful if swallowed. Causes vomiting, nausea and diarrhea.  
Inhalation: Excessive inhalation causes headache, dizziness, nausea and incoordination. Harmful if inhaled.  
Medical conditions aggravated: Respiratory, pulmonary, liver and kidney disorders. Central nervous systems disorders. Gastrointestinal disorders.

#### Emergency and First Aid Procedures:

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation persists.

**Ingestion:** If swallowed, do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

#### Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment. Remove sources of ignition. Increase area ventilation.

Waste disposal method: disposal should be made in accordance with federal, state and local regulations. Incineration recommended in approved incinerator according to federal, state and local regulations.

Precautions to be taken in handling and storing: use a ground strap. Store upright in a cool place below 77° F (40° C). Keep container closed when not in use. Avoid breathing vapors. Combustible.

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.

Protective gloves: Rubber or plastic, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or 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 Hazard Class: N/A  
OSHA Hazard Class: N/A  
UN/NA Number: N/A  
EPA Hazard Waste: D 001, Ignitable  
CPSC Classification: Combustible liquid  
Transportation Class: 55

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:** SARA 313 chemicals identified.

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### WARRANTY & CAUTIONS

#### Warranty

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#### Caution

**511 Impregnator** contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. Refer to the MSDS for additional information.

# 511 Spray-On Grout Sealer

Natural Look Penetrating Sealer



www.miraclesealants.com

**Water & Stain Protection for**

- New Grout
- Natural Stone
- Old Grout

Will not Harm Ceramic Tile, Porcelain Tile, Glazed Tile, Quarry Tile, Glass or Plastic Tile, Marble, Granite, Limestone, Travertine, Slate, other Natural Stone

**Uses**

- Interior & Exterior
- Restrooms
- Kitchen
- Anywhere you use Grout
- Showers

**Special Features**

- Easy To Use "Clean Hands" Approach
- Apply as little as 2 hours after Grouting
- Low Toxicity
- Stain Resistant
- Economical
- Recyclable (doesn't end up in a landfill)
- Hermetically Sealed against Bacteria Contamination
- Directional Spray
- Weather Resistant
- Non Yellowing
- U.V. Transparent
- Tamper Proof Container

**PRODUCT DESCRIPTION**

KEEP OUT OF REACH OF CHILDREN. This product is formulated for sealing all types of new and old grout to provide resistance against water, oils, alkalis, acids, and staining. **511 Spray-On Grout Sealer** is a unique formulation designed for the protection of all types of grout both new and old. **511 Spray-On Grout Sealer** penetrates into the surface and forms an invisible barrier that is resistant to moisture and stains, while allowing vapor to escape. **511 Spray-On Grout Sealer** is not a surface coating and will not alter the natural look while making the grout easier to clean. **511 Spray-On Grout Sealer** can be applied to freshly installed grout as quickly as 2 hours after grouting. **511 Spray-On Grout Sealer** can be used on interior and exterior applications. **511 Spray-On Grout Sealer** is U.V. transparent and will not yellow under any circumstances. **511 Spray-On Grout Sealer** averages five to twenty times the coverage of competitive products. (See coverage chart). **511 Spray-On Grout Sealer** uses a "Clean Hands" approach to grout sealer application and has a unique directional spray allowing the user to apply the sealer without touching their hands.

**Test Data**

**511 Spray-On Grout Sealer** HAS BEEN TESTED BY SCIENTIFIC CERTIFICATION SYSTEMS PASSING THE MOST STRINGENT CALIFORNIA AIR RESOURCES BOARD (CARB) SECTION 01350 TEST AND HAS RECEIVED INDOOR ADVANTAGE GOLD CERTIFICATION.

**Sample Testing**

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

**Color Enhancement**

For added color with "TEXTURED AND NON POLISHED" surfaces, **511 Seal & Enhance** may be applied as directed.

**Gloss Enhancement**

For a higher gloss finish on POLISHED stone surfaces, use **Water Ring & Etch Remover**, **Marble Conditioner**, **Mira Dust**, **Mira Polish** or **Granite Brite**. For counters and furniture, use **Stone Polish**. For tile surfaces, try **Tile Brite**.

**Protect Neighboring Surfaces**

Always protect neighboring surfaces including wood, carpet, metal, landscaping and other non-masonry surfaces.

**NEW INSTALLATIONS - APPLICATION INSTRUCTIONS**

Read entire label and PDS/MSDS before using. **511 Spray-On Grout Sealer** should not be diluted or thinned in any way. **511 Spray-On Grout Sealer** should be used as is direct from approved container.

**After Grouting:** Once grouted, make sure that all grout residue is removed from the surface with a clean sponge and water. Allow grout to cure per manufacturers specification or at least 2 hours. If grout clean up is not performed effectively, an additional cleaning may be necessary to remove remaining grout residue or haze. For this procedure use **Phosphoric Acid Cleaner**, (**GCFR**) **Grout & Concrete Film Remover (Hydrochloric Acid)**, **Sulfamic Acid Crystals** or **Epoxy Grout Film Remover** following the instructions carefully. Once the cleaned area has completely dried, proceed with the sealing of the grout for water and stain resistance. Apply **511 Spray-On Grout Sealer** to all grout with the unique "Clean Hands" Spray. Any excess sealer that gets on the surface should be wiped off with a clean towel before it dries.

**Existing Installation - Surface Preparation**

Surface must be dry and free of contaminants, including previously applied

sealers, dirt, lime & hard water deposits, efflorescence, rust & other heavy dirt and grime.

**Surface Coating/Wax Removal:** To remove existing coatings and/or waxes, use **Mira Strip** or **H2O Strip** as directed.

**Heavy Duty Cleaning:** To remove lime and hard water deposits, efflorescence, rust, grease and other heavy dirt and grime use **GCFR (Grout & Concrete Film Remover)** or **Phosphoric Acid Cleaner** as directed.

For a non-acid deep clean use **Liquid Poultice** as directed.

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

**Existing Installation - Application Instructions**

Once all grout and surrounding surfaces are clean, proceed with the application instructions previously mentioned.

**Residue Removal**

To remove accumulated **511 Spray-On Grout Sealer**, use **Miracle Residue Remover** as directed.

**Cure Time**

**511 Spray-On Grout Sealer** will be dry to the touch in 1 - 3 hours and may be used for normal foot traffic. For optimum results the area should be kept dry and free from staining materials for 72 hours.

**Coverage:** Used as directed, **511 Spray-On Grout Sealer** will cover up to 250 linear feet of grout.

**Cost per linear foot:** Approximately 5 cents per foot.

**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 **511 Spray-On Grout Sealer** in the original sealed container. Stored at 77 degrees F (400 C), **511 Spray-On Grout Sealer** will have a shelf life of 12 months.

**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 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 Product**

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.

**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.

**Caution**

**511 Spray-On Grout Sealer** contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well-ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. Refer to the MSDS for additional information.

# 511 Spray-On Grout Sealer

Natural Look Penetrating Sealer



www.miraclesealants.com

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: 511 Spray-On Grout Sealer

**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: 12-2009

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

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Petroleum Distillate	68-476-86-8	800ppm	800ppm
Aliphatic Distillate	64742-88-7	100ppm	100ppm
Hydrocarbon Propellant	68-476-86-8	800ppm	800ppm

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 355 - 395° F  
Vapor pressure (200 C): .5 mm hg  
Vapor density (Air=1): 5.3  
Solubility in water: Insoluble  
Appearance and odor: Clear, colorless, aromatic liquid.

Specific gravity: 0.80  
Melting point: Not Available  
Evaporation rate: < 0.1  
Density: 798 Kg/M3

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

Flash Point: Level 3 Aerosol  
LEL: 1  
pH: Neutral  
NFPA Hazard rating H F R S (o-Least, 4-Extreme): 2, 3, 0, 0  
Extinguishing media: Dry chemical, CO2, water fog

Flammable limits:  
UEL: 7  
DOT#: Not Available

**Special Firefighting Procedures:** Gas fires should not be extinguished unless the gas flow can be stopped immediately. Allow the fire to burn itself out. If the source cannot be shut off immediately, all equipment and surfaces exposed to the fire should be cooled with water to prevent over-heating, flash-backs, or explosions. Control fire until gas supply can be shut off. Use proper protective equipment. Use fresh air respirator when exposure to hazardous concentrations of toxic gases is possible.

**Fire and Explosion Hazards:** This product releases Flammable Vapors at well below ambient temperatures and readily forms flammable mixtures with air exposed to an ignition source. It will burn in the open or be explosive in confined spaces. Its vapors are heavier than air and may travel long distances to a point of ignition, and then flash back. Alkaline/chlorine gas mixtures have produced explosions.

**Fire Fighting:** Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boiling over. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

Warning : Never expose can or content to open flame. Do not puncture pressurized can.

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: Keep away from sources of ignition such as heat, sparks or open flames.  
Incompatible materials to avoid: Oxidizing agent.  
Hazardous polymerization: Will not occur.  
Hazardous decomposition products: Carbon monoxide, carbon dioxide, silicone dioxide, fumes of xylene, aromatic and aliphatic hydrocarbons.

**Section 6 - Health Hazard Data**

**Routes of entry:**  
Inhalation - Possible. Skin - Possible. Ingestion - Possible  
Health hazards - Same as signs and symptoms of exposure  
OSHA carcinogenicity - None; NTP - None; IARC monographs - None

**WARRANTY & CAUTIONS**

**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.

**Consumer Product Safety Act Certification.** This product was evaluated by Miracle Sealants Company and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location listed in Section 1 of this MSDS. The date of manufacture is stamped on the product container. No

**Signs and symptoms of over exposure**

Eyes: Causes severe eye irritation  
Skin: Causes mild skin irritation, drying of the skin. May cause an allergic skin reaction.  
Ingestion: Harmful if swallowed. Causes vomiting, nausea and diarrhea.  
Inhalation: Excessive inhalation causes headache, dizziness, nausea and in-coordination. Harmful if inhaled.  
Medical conditions aggravated: Respiratory, pulmonary, liver and kidney disorders. Central nervous systems disorders. Gastrointestinal disorders.

**Emergency and First Aid Procedures:**

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing and laundry before reuse. Wash with soap and water. Get medical attention if irritation persists.

**Ingestion:** If swallowed, do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

**Section 7 - Precautions for Safe Handling and Use**

Steps to be taken in case material is released or spilled: wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment. Remove sources of ignition. Increase area ventilation.

Waste disposal method: disposal should be made in accordance with federal, state and local regulations. Incineration recommended in approved incinerator according to federal, state and local regulations.

Precautions to be taken in handling and storing: use a ground strap. Store upright in a cool place below 77° F (40° C). Keep container closed when not in use. Avoid breathing vapors. Combustible.

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

CONTENTS UNDER PRESSURE : Do not expose can or contents to open flame. Do not puncture pressurized can.

**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.

Protective gloves: Rubber or plastic, chemical resistant.  
Eye protection: Tight fitting, splash proof safety glasses or 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 Hazard Class: 2.1 Aerosols Flammable  
OSHA Hazard Class: 2.1 Aerosols Flammable  
UN/NA Number: 1950  
EPA Hazard Waste: N/A  
Transportation Class: 55  
DOT Proper Shipping Name: ORM-D Consumer Commodity  
CPS Classification: N/A

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:** 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.

testing is required to certify compliance with the above mentioned regulation.

**Caution:** 511 Spray-On Grout Sealer contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. Refer to the MSDS for additional information.

# 511 Porous Plus

## Natural Look Penetrating Sealer

### Water, Stain & Slip Protection for

- Grout
- Flamed, Honed & Polished Granite
- Flamed, Honed & Polished Marble
- Saltillo Tile
- Sandstone
- Concrete
- Sanded Grout
- Flamed, Honed & Polished Limestone
- Terra Cotta Pavers
- Porous Slate & Brick
- Cantera/Adoquin
- Stucco
- Masonry
- Cement
- Flagstone

### Uses

- Interior & Exterior
- Restrooms
- Garages
- Kitchens
- Patios
- Pool Areas
- Showers
- Drive Ways
- Walls

### Special Features

- Water Resistant
- Acid Resistant
- Slip Resistant
- Non Yellowing
- Stain Resistant
- Salt Resistant
- Easy To Use
- Non coating
- Weather Resistant
- Freeze/Thaw Resistant
- Low Toxicity
- U.V. Transparent

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** This product is formulated for sealing concrete and masonry to provide resistance against water, alkalis, acids, ultraviolet light, staining, salt ion intrusion and freeze/thaw damage. **511 Porous Plus** is a unique formulation designed for the protection of all porous tile, stone and grout surfaces. **511 Porous Plus** penetrates into the surface and forms an invisible barrier that is resistant to moisture and stains, while allowing vapor to escape. **511 Porous Plus** is not a surface coating and will not alter the natural look. All surfaces are harder and less slippery. **511 Porous Plus** can be used on interior and exterior applications. **511 Porous Plus** is U.V. transparent, resists acid rain and will not yellow under any circumstances. **511 Porous Plus** averages 2 to 10 times the coverage of competitive products. (See coverage chart). **511** products have been formulated for or applied to freshly poured concrete to retard the evaporation of water.

**511 Porous Plus** is on the approved sources list of the United States Postal Service and is U.S.D.A. approved for incidental food contact in federal meat and poultry establishments.

### Test Data

Independent laboratory tests show **511 Porous Plus** out performs competitive products. Test results are available upon request for Staining, Static Coefficient of Friction, Tabor Abrasion, Surface Absorption, Freeze/Thaw, and Vapor Transmission.

**NOTE:** For any questions concerning grout - refer to the grout manufacturers specifications. **511 Porous Plus** will not stop acid etching.

### Sample Testing

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

### Color and Gloss Enhancement

For added color with "Textured and Non polished" surfaces, **511 Seal & Enhance or Mira Matte** may be used. For polished marble, travertine, limestone and granite, **Stone Polish, Mira Dust, Marble Conditioner, MiraPolish or Granite Brite** may be used as directed. For ceramic tile, **Tile Restor or Tile Brite** may be used as directed.

### Protect Neighboring Surfaces

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

### NEW INSTALLATIONS - APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using. **511 Porous Plus** should not be diluted or thinned in any way. **511 Porous Plus** should be used as is direct from approved container.

### Sealing As a Grout Release

Apply **511 Porous Plus** to all surfaces prior to grouting. This step will allow quick and easy cleanup after grouting. Grout can stain many surfaces if this procedure is not used prior to the grouting process. Apply **511 Porous Plus** using a **Mira Brush** or a clean towel. Apply enough to wet the surface. (See coverage charts) Be careful not to saturate the open grout joints. Allow **511 Porous Plus** to stand for approximately 3 - 5 minutes for maximum penetration. Any excess sealer remaining at this time should be removed by wiping the surface with a clean dry towel. On very porous surfaces apply another application after the previous application has dried 2-3 hours. Any excess sealer that has dried on the surface creating a residue/film, may be removed by applying **Residue Remover**. Apply **Residue Remover** undiluted to the affected area with a clean dry towel. Let it sit for 1 - 2 minutes before buffing the area with a second clean dry towel. Allow **511 Porous Plus** to cure for 6 - 12 hours before continuing with the grouting procedure per manufacturers specification.

**After Grouting:** Once grouted, make sure that all grout residue is removed from the surface with a clean sponge and water. Allow grout to dry at least 24 - 72 hours.

If grout clean up is not performed effectively, an additional cleaning may be necessary to remove remaining grout residue or haze. For this procedure use **Phosphoric Acid Cleaner**, (**GCFR**) **Grout & Concrete Film Remover (Hydrochloric Acid)**, **Sulfamic Acid Crystals** or **Epoxy Grout Film Remover** following the instructions carefully.

### Grout Sealing

Once the area has completely dried, proceed with the sealing of the grout for water and stain resistance. Apply **511 Porous Plus** to all grout with a paint brush. Any excess sealer that gets on the surface should be wiped off with a clean towel before it dries. On larger jobs grout can be sealed by retreating the entire area including the tile or stone surface a second time. Be careful not to allow the sealer to puddle or dry on presealed surfaces.

### Residue Removal

To remove accumulated **511 Porous Plus** residue, use **Miracle Residue Remover** as directed.

### Existing Installation - Surface Preparation

Surface must be dry and free of contaminants, including previously applied sealers, dirt, lime & hard water deposits, efflorescence, rust & other heavy dirt and grime.

**Floor Coating/Wax Removal:** To remove existing coatings and/or waxes, use **Mira Strip** or **H2O Strip** following the instructions carefully.

**Heavy Duty Cleaning:** To remove lime and hard water deposits, efflorescence, rust, grease and other heavy dirt and grime use **GCFR (Grout & Concrete Film Remover)**, **Phosphoric Acid Cleaner** as directed. For a non-acid deep clean use **Liquid Poultice** as directed. All strippers and/or cleaners should be thoroughly rinsed with clean water and the surface allowed to dry.

**Sealing Existing Surfaces:** Follow the application instructions previously mentioned, except now, seal the grout and tile or stone surfaces at the same time. When treating surfaces together, make sure that the recessed grout is saturated.

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

### Sealer Cure Time

**511 Porous Plus** will be dry to the touch in 1 - 3 hours and may be used for normal foot traffic. For optimum results the area should be kept dry and free from staining materials for 24 - 72 hours.

### Coverage Chart - used as directed

Material	Cost per sq.ft./sq.m.	500 sq.ft. 45 sq.m.	1000 sq.ft. 90 sq.m.	1500 sq.ft. 135 sq.m.	2000 sq.ft. 180 sq.m.
Sanded Grout	(.15-.28)				
Limestone	(.15-.28)				
Saltillo	(.15-.45)				
Sand Stone	(.15-.28)				
Flag Stone	(.15-.28)				
Flamed Granite	(.15-.28)				
Textured Marble	(.15-.28)				
Brick	(.15-.28)				
Concrete	(.15-.45)				
Stucco	(.22-.45)				
Slate	(.15-.28)				
Terra Cotta	(.15-.45)				
Cantera/Adoquin	(.15-.45)				
Masonry	(.15-.45)				
Polished Stone	Cost per sq. ft./3000-4000 sq.ft. (.05 - .07)				

Cost per sq. ft. is based on a suggested list price of \$235/gallon. 1 gallon = 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 **511 Porous Plus** in the original container, properly sealed to avoid contamination and solvent evaporation. Stored at 77° F (40° C), **511 Porous Plus** will have a shelf life of 12 months.

### 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 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



# 511 Porous Plus

## Natural Look Penetrating Sealer

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

29 CFR 1910.1200 OMB No. 1218-0072

Identity No: Name: **511 Porous Plus**

#### 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: 12-2009

#### Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Petroleum Distillate	64741-65-7	100ppm	150ppm
Butyl Acetate	123-86-4	150ppm	150ppm
N-Heptane	142-82-5	500ppm	400ppm
Ethyl Acetate	141-78-6	400ppm	400ppm

VOC: Less than or equal to 742 g/L

#### Section 3 - Physical/Chemical Characteristics

Boiling Point: 320° F  
Vapor Pressure: Not Tested  
Vapor Density: Not Tested  
Solubility In Water: Insoluble

Specific Gravity: 0.80  
Melting Point: Not Tested  
Evaporation Rate: Not Tested

Appearance and Odor: Colorless, Solvent Odor

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

Flash Point: 145° F  
LEL: Not Tested  
pH: Neutral  
NFPA Hazard Rating H F R S (0-Least, 4-Extreme): 1 2 0 0

Flammable Limits: Not Tested  
UEL: Not Tested  
DOT#: Not Available

Extinguishing media: CO<sub>2</sub>, Dry foam  
Special fire fighting procedures: Combustible - wear full bunker gear and NIOSH approved breathing apparatus.

Unusual fire and explosion hazards: cool exposed containers with water to prevent rupturing. Heat will cause phosgene gas.

#### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: Keep away from heat, flame & sparks  
Incompatible materials to avoid: Heat, flames, strong oxidizer  
Hazardous polymerization: None  
Hazardous decomposition product: CO<sub>2</sub>, CO, HF

#### Section 6 - Health Hazard Data

##### Routes of Entry:

Inhalation - Possible  
Skin - Possible  
Ingestion - Possible

Health hazards - Same as signs and symptoms of exposure  
OSHA Carcinogenicity - None; NTP - None; IARC Monographs - None

##### Signs and Symptoms of Over Exposure

Eyes: Burning irritation.  
Skin: Slight irritation, defatting of the skin. Material will place a clear coating onto skin.  
Ingestion: Toxic  
Inhalation: Irritation, dizziness, headaches - may cause CNS depression.  
Medical conditions aggravated: Same as signs and symptoms of over exposure.

Symptoms can include but are not limited to irritation of respiratory track, dizziness and light headaches.

#### Emergency and First Aid Procedures:

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

**Skin:** Wash with soap and water. If irritation persists, call physician.

**Ingestion:** Do not induce vomiting. Call physician. Keep victim's head below hips to prevent aspiration.

**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 a proper disposal container.

Waste disposal method: dispose of in accordance with 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 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 - Recommended

Special - None

Mechanical - Recommended

Other - None

Protective gloves: Rubber or plastic, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or 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 Hazard Class: N/A

OSHA Hazard Class: N/A

UN/NA Number: N/A

EPA Hazard Waste: D 001, Ignitible

CPSC Classification: Combustible Liquid

Transportation Class: 55

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.

### WARRANTY & CAUTIONS

#### Warranty

Instructions are a condensed guide and should not be considered complete. In the event of failure, the only obligation of Miracle Sealant 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.

#### Caution

**511 Porous Plus** contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. Refer to MSDS for additional information.

# 511 H2O Plus

### Water & Stain Protection For

- |                 |               |                  |               |
|-----------------|---------------|------------------|---------------|
| ■ Grout         | ■ Quarry Tile | ■ Ceramic Tile   | ■ Glazed Tile |
| ■ Granite       | ■ Marble      | ■ Limestone      | ■ Terrazzo    |
| ■ Saltillo Tile | ■ Slate       | ■ Flagstone      | ■ Concrete    |
| ■ Brick         | ■ Travertine  | ■ Porcelain Tile |               |

### Uses

- |             |             |           |              |
|-------------|-------------|-----------|--------------|
| ■ Kitchens  | ■ Bathrooms | ■ Showers | ■ Health     |
| ■ Driveways | ■ Patios    | ■ Garages | ■ Facilities |

### Special Features

- Easy-to-Use
- Interior & Exterior Use
- Oil Resistant
- Retains Natural Color
- Odorless
- Non Flammable

**NO PERFLUOROCTANE SULFONATE (PFOS); NO PERFLUOROCTANOIC ACID (PFOA)**

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** 511 H2O Plus is a unique water base formulation designed for the protection of all surfaces where a water base product is required. 511 H2O Plus penetrates into the surface and forms an invisible barrier that is resistant to moisture and stains, while allowing vapor to escape. 511 H2O Plus is not a surface coating and will not alter the natural look. 511 H2O Plus can be used on interior and exterior applications. **NO (PFOS) or (PFOA)**

### Test Data

Independent laboratory tests show 511 H2O Plus out performs competitive products. Test results are available upon request for staining.

**NOTE:** For any questions concerning grout-refer to the grout manufacturers specifications. 511 H2O Plus will not stop acid etching.

### Slip Resistance

511 H2O Plus increases the static coefficient of friction on all surfaces. 511 H2O Plus has been used successfully for compliance with the American Disability Act's recommendations for slip resistance (ASTM C 1028-89) on polished & honed surfaces.

### Sample Testing

Due to the differences of each material, 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 non masonry surfaces.

### NEW INSTALLATIONS - APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. This product should be used directly from container and is not under any circumstances to be thinned or diluted with anything before use. Sealing As a Grout Release**

Apply 511 H2O Plus to all surfaces prior to grouting. This step will allow quick and easy cleanup after grouting. Grout can stain many surfaces if this procedure is not used prior to the grouting process. Apply 511 H2O Plus using a **Mira Brush** or a clean towel. Apply enough to wet the surface. Be careful not to saturate the open grout joints. Allow 511 H2O Plus to stand for approximately 3 - 5 minutes for maximum penetration. All excess must be removed at this time by buffing surface with a clean dry towel. This is very important on polished, glazed surfaces, and porcelain surfaces. Allow 511 H2O Plus to cure for 6 - 12 hours before continuing with the grouting procedure.

**After Grouting:** Once grouted, make sure that all grout residue is removed from the surface with a clean sponge and water. Allow grout to dry at least 24 - 72 hours. If grout clean up is not performed effectively, an additional cleaning may be necessary to remove remaining grout residue or haze. For this procedure use **Phosphoric Acid Cleaner**, **GCFR (Grout, Concrete & Film Remover)** or **Epoxy Grout Film Remover** as directed.

### Grout Sealing

Once the area has completely dried, proceed with the sealing of the grout for water and stain resistance. Apply 511 H2O Plus to all grout with a thin paintbrush. Any excess sealer that gets on the surface should be wiped off with a clean towel before it dries. On larger jobs, grout can be sealed by retreating the entire area including the tile or stone surface a second time. Be careful not to allow sealer to puddle or dry on presealed surfaces.

### Existing Installations - Surface Preparations

Surface must be dry and free of contaminants, including previously applied sealers, dirt, lime & hard water deposits, efflorescence, rust & other heavy dirt and grime.

**Floor Coating/Wax Removal:** To remove existing coatings and/or waxes, use **Mira Strip** or **H2O Strip** per the instructions.

**Heavy Duty Cleaning:** To remove lime and hard water deposits, efflorescence, rust, grease and other heavy dirt and grime use **GCFR (Grout & Concrete Film Remover)**, **Phosphoric Acid Cleaner** as directed. For a non-acid deep clean use **Liquid Poultice** as directed.

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

### Color & Gloss Enhancement

For color and gloss enhancement, use **511 Seal & Enhance**, **Mira Matte** or **Mira Shine** as directed.

### Existing Installations - Application Instructions:

Follow the application instructions previously mentioned, except now, seal the grout and tile or stone surface at the same time. When treating surfaces together, make sure that the recessed grout is saturated with sealer.

### Cure Time

511 H2O Plus will be dry to the touch in 1 - 3 hours and may be put into service. For optimum results the area should be kept dry and free from staining materials for 24 - 72 hours.

### Coverage

Coverage will vary depending on the density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **511 H2O Plus** will cover between 500 - 3,000 sq.ft. per gallon (45 - 270 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 511 H2O Plus in the original container, properly sealed to avoid contamination and evaporation. Stored at 77° F (40° C), 511 H2O Plus 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

### 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.

### Caution

**Warning: Detectable amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in this product.** 511 H2O may cause irritation of eyes and skin. Avoid contact and prolonged breathing. Use in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surfaces has thoroughly dried. **Refer to the MSDS for additional information.**

### Additional Products

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

## 511 H2O Plus

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

Identity No: Name: 511 H2O Plus

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Water	7732-18-6	-	-
Polymer	196316-34-4	-	-
PNB - Glycol Ether	5131-66-8	-	-

VOC Content: VOC < 390 g/l - EPA Level, VOC < 65 g/l - Low Solids Level

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 212°F  
 Vapor pressure (68°F): < 1  
 Solubility in water: Soluble  
 pH: 4-6  
 VOC exempt components: 90% (Water & solids)  
 Evaporation rate (Ether = 1): < 1  
 Appearance and odor: Milky white, slight odor

Vapor density (Air=1): > 1  
 Specific gravity (H<sub>2</sub>O = 1): ~ 1.10  
 Volatile by volume: ~ 98%

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

Flash point: None (TOC) Flammable limits: N/D  
 LEL: N/D UEL: N/D DOT#: None  
 NFPA Hazard rating - H F R S (0-Least, 4-Extreme): 1 0 0 0  
 Extinguishing media: Water, dry chemical, CO<sub>2</sub>, foam

Special fire fighting procedures: A self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.  
 Unusual fire and explosion hazards: Material is non-flammable & non-combustible.

**Section 5 - Reactivity Data**

Stability: Stable  
 Conditions to avoid: None  
 Incompatible materials to avoid: None  
 Hazardous polymerization: Will not occur  
 Hazardous decomposition or by-products: Thermal decomposition can produce CO<sub>2</sub>, CO, possible traces of HF.

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

Inhalation - Possible Skin - Possible  
 Eyes - Possible Ingestion - Possible  
 Health Hazards - Same as signs & symptoms of over exposure  
 Carcinogenicity: NTP - No; Monograph - No; OSHA regulated - No

**Signs & Symptoms of Over Exposure:**

Eyes: Mild eye irritant. Direct contact with the solution may cause slight irritant & conjunctive irritation. No permanent damage is anticipated.  
 Skin: can be mildly irritating upon prolonged exposure. Ingestion: can cause gastrointestinal irritation, nausea, vomiting & diarrhea. Inhalation: gross over-inhalation may cause symptoms such as but not limited to, coughing, may aggravate pre-existing lungs disorders.

**Emergency and First Aid Procedures:**

**Eyes:** Flush immediately with clean, free-flowing water for 15 minutes. Consult a physician if irritation persists. **Skin:** Wash thoroughly with soap and water. **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration including oxygen. Call physician. **Ingestion:** Extremely low toxicity (water based product). Give a quart or more of water to drink and induce vomiting. Provide medical attention. Never administer liquid by mouth to unconscious person.

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

Steps to be taken in case material is released or spilled: observe precautions from other sections. Collect any spills with absorbent material such as vermiculite, place collected material in a polyethylene lined metal container and seal. Clean up residue with water.

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

Storage and handling information: keep from freezing. Store in a cool dark place. Keep container dry and tightly closed when not in use.

KEEP OUT OF REACH OF CHILDREN.

**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. Local exhaust: Recommended.  
 Mechanical exhaust: General ventilation system should be provided.

Special: None 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: Non-Hazardous Liquid, N.O.I. Please refer to the Bill of Lading receiving/documents for up-to-date information.

DOT Hazard Class: Not Available  
 OSHA Hazard Class: Not Available  
 UN/NA Number: Not Available  
 EPA Hazard Waste: Not Available  
 CPSC Classification: Not Available  
 Transportation Class: 55

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.

**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.

# 511 CST

## Penetrating Concrete Surface Treatment

### Water, Stain & Slip Protection For

All concrete and masonry surfaces.

#### Uses

- Interior & Exterior Use
- Restrooms
- Patios
- Bridges
- Loading Docks
- Garages
- Walls
- Drive Ways
- Building
- Exterior Facades

#### Special Features

- Weather Resistant
- Salt Ion Resistant
- U.V. Transparent
- Stain Resistant
- Freeze/Thaw Resistant
- Acid Resistant
- Less Slippery
- Water Resistant
- Easy-to-Use
- Non Yellowing
- Low Toxicity

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** This product is formulated for sealing concrete and masonry to provide resistance against water, alkalis, acids, ultraviolet light, staining, salt ion intrusion and freeze/thaw damage. **511 Concrete Surface Treatment (CST)** is a unique polymerized formulation designed for the protection of all concrete products. **511 CST** forms an invisible barrier that is resistant to moisture and stains while allowing vapor to escape. Concrete surfaces will resist spalling and damage by salt ion intrusion in addition to having excellent freeze/thaw performance. INDEPENDENT LABORATORY TESTS SHOW **511 CST** OUTPERFORMS COMPETITIVE PRODUCTS. **511** has been formulated for or applied to freshly poured concrete to retard the evaporation of water.

**NOTE:** For any questions concerning grout or mortar refer to the manufacturers specification.

#### Sample Testing

Due to the differences of each material, 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 non masonry surfaces

### NEW INSTALLATIONS - APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. 511 CST should not be diluted or thinned in any way. 511 CST** should be used as is direct from approved container.

Apply **Miracle 511 CST** using a **Mira Brush** or clean white towel or cloth. On large jobs or vertical applications a pump type sprayer may be used. Saturate the surface being careful not to allow sealer into the open ungrouted joints. For the most porous surfaces a second application should be applied after the first has dried at least 2 - 8 hours. Allow the second application to stand for 3 - 5 minutes before removing any excess with a clean dry towel. The 511 Sealant must cure 6 - 12 hours before proceeding with the grouting process. Any excess sealer that has dried on the surface creating a residue/film, may be removed by applying **Residue Remover**. Apply **Residue Remover** undiluted to affected area with a clean dry towel. Let sit for 1 - 2 minutes before buffing area clean with a second clean dry towel. Grout the surface per the manufacturer's instructions. Clean all grout/mortar residues completely with a sponge and clean water. If grout clean up is not performed effectively, additional cleaning may be necessary to remove any remaining grout residue or haze. For this procedure, we recommend using **Phosphoric Acid Cleaner** or **Grout & Concrete Film Remover (GCFR)** (hydrochloric acid) as directed.

Allow grout to cure per manufacturer's specification. Once the surfaces have completely cured, proceed with the sealing of the grout joints for water and stain resistance.

**Poured Concrete:** When dealing with green concrete in areas subjected to high traffic and/or stains, **511 CST** can be applied before the concrete has completely dried. Although **511 CST** does allow moisture to escape and slow down the evaporation process.

#### Existing Installation - Surface Preparation

**Poured Concrete:** Surface must be dry and free of contaminants, including previously applied sealers, dirt, lime & hard water deposits, efflorescence, rust & other dirt and grime.

**Surface Coating/Wax Removal:** To remove existing coatings and/or waxes use **Mira Strip** or **H2O Strip** per the instructions.

**Heavy Duty Cleaning:** To remove lime and hard water deposits, efflorescence, rust and other heavy dirt and grime use **Phosphoric Acid Cleaner, (GCFR) Grout & Concrete Film Remover (Hydrochloric Acid)** or **Sulfamic**

**Acid Crystals.** Check with concrete manufacturer for specifications. For a non acid deep clean, use **Liquid Poutlice** as directed. All strippers and/or cleaners should be thoroughly rinsed with clean water and allowed to dry.

**Light Duty Cleaning:** Use **Mira Clean #1, Counter Kleen** or diluted **Phosphoric Acid Cleaner**.

#### Residue Removal

To remove accumulated **511 CST** residue, use **Residue Remover** as directed.

#### Existing Installations - Application Instruction

**1st Application:** Apply **511 CST** using a **Mira Brush** or a clean towel. On large exterior applications a sprayer may be used. Saturate the area allowing to stand for 3 - 5 minutes for maximum protection. Any excess should be removed with a clean dry towel.

**2nd Application:** Let the first application dry for at least 3 - 5 hours before applying the second. Apply the second in the same manner as before.

#### Cure Time

The surface will be dry to the touch within 3 - 5 hours and completely cured in 72 hours.

#### Coverage (Used as directed)

**1st Application:** 250 - 500 square feet per gallon (23 - 46 square meters per 3.785 liters)

**2nd Application:** 500 - 1000 square feet per gallon (45 - 90 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 **511 CST** in the original properly sealed container to avoid contamination and solvent evaporation. Stored at 77° F (40° C), **511 CST** will have a shelf life of 12 months.

#### 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

#### 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.

#### Cautions

**511 CST** contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Use open windows and fans to circulate air. Continue to ventilate until vapors are eliminated. **Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful.** Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. Refer to the MSDS for additional information.

# 511 CST

## Penetrating Concrete Surface Treatment

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

29 CFR 1910.1200  
Identity No: 6418

OMB No. 1218-0072  
Name: 511 CST

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Petroleum Distillate	64741-65-7	100ppm	150ppm
VOC: 908 g/L			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 370° F  
Vapor pressure: (200C) 0.5 mm Hg  
Vapor density: (Air=1) 5.3  
Solubility in water: Insoluble  
Appearance and odor: Colorless, solvent odor

Specific gravity: .820  
Melting point: Not Available  
Evaporation rate: (by AC=1) < 0.1

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

Flash point: 135° F  
LEL: Not tested  
pH: Neutral  
NFPA Hazard rating - H F R S

Flammable limits: Not tested  
UEL: Not tested  
DOT#: Not Available  
(0-Least, 4-Extreme): 1 2 0 0

Extinguishing media: CO<sub>2</sub>, dry foam, water fog.  
Special fire fighting exposure: Wear full bunker gear and NIOSH approved breathing apparatus.  
Unusual fire and explosion hazards: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure build up which could result in container rupture.

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: Heat, flame contact with strong oxidizing agents.  
Incompatible materials to avoid: Strong oxidizers.  
Hazardous polymerization: None.  
Hazardous decomposition products: CO<sub>2</sub>

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

Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health Hazards - Same as signs and symptoms of overexposure.  
OSHA Carcinogenicity - None; NTP - None; IARC Monographs - None

**Signs and Symptoms of Overexposure:**

Eyes: Burning irritation.  
Skin: Irritation.  
Ingestion: Toxic.  
Inhalation: Dizziness, headache.  
Medical Conditions Aggravated: Same as signs and symptoms of overexposure.

**Emergency and First Aid Procedures**

**Eyes:** Flush with water for 15 minutes. If irritation persists, call a physician.  
**Skin:** Wash with soap and water; if irritation persists, call a physician.  
**Ingestion:** Do not induce vomiting. Call a physician.  
**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 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  
Mechanical - If available

Special - None  
Other - None

Protective gloves: Rubber or plastic, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or 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 Hazard class: N/A  
OSHA Hazard class: N/A  
UN/NA Number: N/A  
EPA Hazard waste: D 001, Ignitable  
CPSC Classification: Combustible liquid  
Transportation Class: 55

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.

# Grout Sealer

## Water & Stain Protection For

All Sanded & Non-sanded Grout and Mortar Joints.

### Uses

- Kitchen Counters      ■ Kitchen Floors      ■ Bathroom Showers
- Bathroom Floors      ■ Service Porches

### Special Features

- Easy To Use                      ■ Interior & Exterior Use      ■ Weather Resistant
- Freeze/Thaw Resistant      ■ Salt Water Resistant      ■ Acid Resistant
- Non Yellowing                  ■ U.V. Transparent              ■ Less Slippery

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Grout Sealer is designed for the protection of all sanded, non-sanded and mortar joints. Grout Sealer penetrates into the surface and forms an invisible barrier that is resistant to moisture and stains, while allowing vapor to escape. Grout Sealer is not a surface coating and will not alter the natural look. Grout Sealer can be used on interior and exterior applications. Grout Sealer is U.V. transparent and will not yellow under any circumstances.

**NOTE:** For any question concerning grout-refer to the manufacturers specifications.

### Sample Testing

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

### Grout Color Modification

For changing the color of sanded, epoxy and non-sanded grout joints use the Grout Color Kit.

### Protect Neighboring Surfaces

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

## NEW INSTALLATIONS - APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using.** Grout Sealer should not be diluted or thinned in any way. Grout Sealer should be used as is direct from approved container.

Grout or mortar must be cured per manufacturers specification before applying Grout Sealer. Apply Grout Sealer with it's unique applicator tip directly to the joint for maximum stain resistance. Any excess sealer that gets on tile or stone surface should be wiped off with a clean towel before it dries. Be careful not to allow sealer to puddle on surface.

### Existing Installation - Surface Preparation

Grout or mortar surface must be dry and free of contaminants, including previously applied sealers, dirt, lime & hard water deposits, efflorescence, rust & other heavy dirt and grime.

### Floor Coating/Wax Removal

To remove existing coatings and/or waxes use Mira Strip or H2O Strip per the instructions.

**Heavy Duty Cleaning:** To remove lime and hard water deposits, efflorescence, rust and other heavy dirt and grime use GCFR (Grout & Concrete Film Remover), Phosphoric Acid Cleaner or Porcelain Ceramic Tile Cleaner following the instructions carefully. If an additional non acid deep cleaning is necessary use Liquid Powlitice as directed. All strippers and/or cleaners should be thoroughly rinsed with clean water and the materials allowed to dry.

**Light Duty Cleaning:** Use Grout Cleaner, Mira Clean #1 or Counter Kleen as directed.

### Residue Removal

To remove accumulated Grout Sealer residue, use Residue Remover as directed.

### Existing Installation - Application Instructions:

Follow the application instructions previously mentioned.

## Coverage

Coverage will vary depending on the density porosity, texture, surface absorption, weather, time solution left on the surface and application methods. Used as directed, Grout Sealer will cover approximately 60 - 115 square feet per 6 oz. bottle (5 sq. meters per 14 milliliters).

## Cure Time

Grout Sealer will be dry to the touch in 1 - 3 hours and may be put into service. For optimum results the area should be kept dry and free from staining materials for 72 hours.

## 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 Grout Sealer in the original container, properly sealed to avoid contamination and solvent evaporation. Stored at 77° F (40° C), Grout Sealer will have a shelf life of 12 months.

## 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## 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.

## Caution

Grout Sealer contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Use open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. Refer to the MSDS for additional information.

# Grout Sealer

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

29 CFR 1910.1200  
Identity No:

OMB No. 1218-0072  
Name: Grout Sealer

**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: 12-2009

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

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Weight %
Petroleum Distillates	64741-65-7	100ppm	150ppm	-

VOC: 764 g/L

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 320° F	Specific Gravity: 0.760
Vapor pressure: Not tested	Melting Point: Not tested
Vapor density: Not tested	Evaporation Rate: Not tested
Solubility in water: Insoluble	
Appearance and odor: Colorless, solvent odor.	

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

Flash Point: 145° F	Flammable Limits: Not Tested
LEL: Not Available	UEL: Not Available
pH: Neutral	DOT#: Not Available
NFPA Hazard rating - H F R S And Larger	(0-Least, 4-Extreme): 1 2 0 0
Extinguishing media: CO <sub>2</sub> , dry foam, water fog	

Special fire fighting procedures: Combustible, wear bunker gear and NIOSH approved breathing apparatus.

Unusual fire and explosion hazards: Cool exposed containers with water to prevent rupturing. Heat will cause phosgene gas

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: Heat, flames, strong oxidizers.  
Hazardous polymerization: None.  
Hazardous decomposition products: CO<sub>2</sub>

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

Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health Hazards - Same as signs and symptoms of exposure.  
OSHA Carcinogenicity - None; NTP - None; IARC Monographs - None

**Signs and Symptoms of Over Exposure:**

Eyes: Burning irritation.  
Skin: Slight irritation and defatting of the skin -material will place a clear coating onto skin.  
Ingestion: Toxic.  
Inhalation: Irritation, dizziness, headaches - high vapor concentration may cause central nervous system depression.

Medical conditions generally aggravated by exposure - same as signs and symptoms of over exposure.

**Emergency and First Aid Procedures:**

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

**Skin:** Wash with soap and water. If irritation persists, call a physician.

**Ingestion:** Do not induce vomiting. Call physician. Keep victim's head below hips to prevent aspiration.

**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 a proper waste disposal container.

Waste disposal method: Dispose of in accordance with 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 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: Rubber or plastic, chemical resistant.

Eye protection: Tight fitting, splash proof safety goggles or glasses.

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 Hazard Class: N/A  
OSHA Hazard Class: N/A  
UN/NA Number: N/A  
EPA Hazard Waste: D 001, Ignitable  
CPSC Classification: Combustible Liquid  
Transportation Class: 55

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.

# Mira Shine

## High Gloss Finish For

- Saltillo
- Terra Cotta
- Porous Unglazed Tile
- Other Concrete, Stone & Masonry Surfaces

## Special Features

- Interior Use Only
- Floors only
- No Odor
- Scuff Resistant
- Stain Resistant

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Mira Shine is a specially formulated water base coating designed to enhance the beauty and natural color of saltillo and terra cotta surfaces. Mira Shine enhances the look with a beautiful, high gloss finish.

The unique formula allows Mira Shine to work with hard to coat surfaces. Mira Shine exceeds minimum requirements for slip resistance. Mira Shine is easy to use, non-hazardous, V.O.C. compliant, extremely durable, and is easy to clean up with water. Mira Shine can be spray buffed or high speed burnished to repair and rejuvenate.

## Sample Testing

Due to the differences of each material, 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 non masonry surfaces.

## Surface Preparation

For best results the surface should be clean, dry and free from frost and dust. Apply the appropriate **Miracle Penetrating Sealer/Impregnator** as directed for each substrate. Allow the substrate to cure completely prior to applying Mira Shine. This procedure assures maximum adherence and performance.

## APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. This product is to be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.**

Mira Shine can be applied with a **Mira Brush**, pump sprayer, natural fiber brush or clean mop. Installation should be clean and completely dry before using. When using a sprayer, apply as evenly as possible. Follow the sprayer with a brush or applicator to even out Mira Shine before it dries on the surface. Do not apply Mira Shine to a hot surface (80° F+). Best range (50° F - 80° F)

Multiple applications may be necessary to achieve desired results. Proceed with subsequent applications after each has dried (Approximately 1 - 2 hours). Be sure to even out the Mira Shine on the surface, blending in overlap marks and eliminating all bubbles. Do not allow Mira Shine to puddle on the surface.

## Cure Time

Mira Shine will be dry to the touch in 1 - 5 hours and may be used for normal foot traffic. For optimum results the area should be kept dry and free from staining materials for 72 hours.

## MAINTENANCE

Regular maintenance will consist of using **Mira Clean #1** on a daily, weekly or monthly basis as directed. Spray buffing or high speed burnishing will repair and rejuvenate scuff marks and scratches that begin to develop in the finish. How often this procedure is necessary will vary with the type of surface and the amount of foot traffic. For ongoing maintenance instructions please refer to **Miracle Sealants Care Guide**. Refer to the **Miracle Sealants Product Recommendation Chart** for specific product recommendations.

## Special Notes

To strip or remove Mira Shine use **H2O Strip** as directed. Allow new installations to cure per the manufacturer's specification before using **Mira Shine**. Mira Shine is a topical coating, that will inhibit vapor transmission and will scratch, scuff and mark under normal conditions.

## Coverage

Coverage will vary depending on the density, porosity, textures, surface absorption, weather, time solution left on surface and application methods. Used as directed, Mira Shine coverage will vary from 500 - 1,500 square feet per gallon.

## Storage

Store Mira Shine in the original container upright and properly sealed. Stored at 77° F (40° C), Mira Shine 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## Caution

Use in a well ventilated area. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. **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.



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

29 CFR 1910.1200  
 Identity No:

OMB No. 1218-0072  
 Name: Mira Shine

**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: 12-2009

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

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Diethylene Glycol	111-77-3	None	None
Methyl Ether			

VOC: Meets the Environmental Protection Agency (EPA) & SCAQMD Requirement of equal to or less than 100 grams per liter of VOC in the United States.

**Section 3 - Physical/Chemical Characteristics**

Boiling point: >212° F	Specific gravity: 1.04
Vapor pressure: Not tested	Melting point: Not tested
Vapor density: Not tested	Evaporation rate: Not tested

Solubility in water: 100%

Appearance and odor: Opaque white, polymer odor

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

Flash point: Not Available	Flammable limits: Not tested
LEL: Not tested	UEL: None
pH: 8.0 - 9.5	

NFPA hazard rating - H F R S (0-Least, 4-Extreme): 0 0 0 0

HMIS hazard rating - H F R (0-Least, 4-Extreme): 0 0 0

Extinguishing media: None

Special fire fighting procedures: None

Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable

Conditions to avoid: None

Incompatible materials to avoid: Strong oxidizers, cationic materials

Hazardous decomposition or byproducts: CO, CO<sub>2</sub>

Hazardous polymerization: Will not occur.

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

Eyes - Possible

Inhalation - Possible

Skin - Possible

Ingestion - Possible

Health hazards - Same as signs and symptoms of exposure.

OSHA carcinogenicity - None; NTP - none; IARC monographs - None

**Signs and Symptoms of Over Exposure:**

Eyes: Burning sensation

Skin: Not expected to be a problem

Ingestion: Nausea

Inhalation: Not expected to be a problem

Medical conditions generally 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 physician.

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

**Inhalation:** Remove person to fresh air. If unconscious, call 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 a 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 less than or equal to 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.

**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: None.

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#: None

DOT Hazard Class: Not Available

OSHA Hazard Class: Not Available

UN/NA Number: Not Available

EPA Hazard Waste: Not Available

CPSC Classification: Not Available

Transportation Class: 55

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.

# Mira Matte

Natural Stone Color Enhancer

**Color Enhancement For Textured Surfaces Including:**

- Flamed Granite
- Flamed Limestone
- Textured Cast Stone
- Cleft Faced Slate
- Tumbled Marble
- Textured Natural Stone

**Special Features**

- Interior & Exterior
- Water Resistant
- U. V. Transparent
- Easy To Use
- Stain Resistant
- Non yellowing

**PRODUCT DESCRIPTION**

**KEEP OUT OF REACH OF CHILDREN.** Mira Matte is a unique product designed to enhance the natural color of all flamed, sandblasted, split faced, tumbled and textured surfaces. When used with one of our **Miracle Penetrating Sealers**, Mira Matte seals and protects while leaving a beautiful, low maintenance, color enhanced satin sheen. Mira Matte allows vapor to escape while offering a scuff and weather resistant surface. Mira Matte is U.V. transparent, will not yellow and can be used on both interior and exterior applications.

**Sample Testing**

Due to the differences of each material, 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 non masonry surfaces.

**Polish Enhancement**

Not recommended.

**NEW INSTALLATIONS - APPLICATION INSTRUCTIONS**

Read entire label and PDS/MSDS before using. Mira Matte should not be diluted or thinned in any way. Mira Matte should be used as is direct from approved container.

**Before Grouting:** Apply **Miracle Penetrating Sealer** to all surfaces. This step will allow quick and easy cleanup after grouting. Grout can stain many surfaces if this procedure is not used. Apply **Miracle Penetrating Sealer** using a **Mira Brush Applicator** or a clean white towel. Apply enough to wet the surface. Be careful not to saturate the open grout joints. Allow **Miracle Penetrating Sealer** to stand for approximately 1 - 5 minutes for maximum penetration. Any excess sealer remaining at this time should be removed by wiping the surface with a clean dry towel. Typically we do not recommend a second application of sealer when utilizing **Mira Matte**. Allow **Miracle Penetrating Sealer** to dry 6 - 12 hours before continuing with the grouting procedure per manufacturers specification.

**After Grouting:** Once grouted make sure that all grout residue is removed from the surface with a clean sponge and water. Allow grout joints to dry at least 24 hours. If grout clean up is not performed effectively, additional cleaning may be necessary to remove remaining grout residue or haze. For this procedure use **GCFR (Grout, Concrete & Film Remover) (hydrochloric acid)**, **Phosphoric Acid Cleaner**, **Sulfamic Acid Crystals** or **Epoxy Grout Film Remover** as directed. Once the area has completely dried, proceed with the sealing of the grout for water and stain resistance. Apply **Miracle Penetrating Sealer** to all grout as directed. Allow sealer to dry a minimum of 1 hour. Apply **Mira Matte** to the entire surface using a natural fiber brush, terry cloth towel or pump sprayer (exterior use only). If a pump sprayer is used, **Mira Matte** should be evened out with a brush before it dries. Work small areas 30 - 60 square feet (3 - 6 square meters) at a time. Do not allow **Mira Matte** to puddle on the surface. Multiple applications may be necessary to achieve the desired results. Proceed with subsequent applications after the previous application has dried to the touch (approximately 1 - 2 hours). Be sure to even out **Mira Matte** on the surface, blending in overlap marks.

**Existing Installations - Surface Preparations**

Surface must be dry and free of contaminant, including previously applied sealers, dirt, lime & hard water deposits, efflorescence, rust & other heavy dirt and grime.

**Surface Coating/Wax Removal:** To remove existing coatings and/or waxes, use **Mira Strip** or **H2O Strip** per the instructions.

**Heavy Duty Cleaning:** To remove lime, hard water deposits, efflorescence, rust and other heavy dirt and grime use **GCFR** or **Phosphoric Acid Cleaner** as directed. If an additional non acid deep cleaning is necessary use **Liquid Poulitce** as directed.

**Light Cleaning:** Use **Mira Clean #1**, **Mira Soap** or **Counter Kleen** as directed.

**Existing Installations - Application Instructions:**

Follow the application instructions previously mentioned, except now, seal the grout joints at the same time as the rest of the tile or stone surface. When treating surface and grout at the same time, make sure all grout joints are saturated with **Miracle Penetrating Sealer**. Once the sealer is dry to the touch (1 - 2 hours), proceed with the application of **Mira Matte** color enhancer as previously mentioned. For added color where maximum stain repellency is not required, use **Mira Matte** by itself.

**Cure Time**

**Mira Matte** will be dry to the touch in 2 - 4 hours and may be used for normal foot traffic. For optimum results the area should be kept dry and free from staining materials for 72 hours.

**Coverage**

Coverage will vary depending on the density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Mira Matte** will cover approximately 50 - 200 square feet per quart (4.5 - 8 square meters per .948 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 **Mira Matte** in the original container, properly sealed to avoid contamination and solvent evaporation. Stored at 77° F (40° C), **Mira Matte** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

# Mira Matte

## Natural Stone Color Enhancer

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

29 CFR 1910.1200  
Identity No: 6477OMB No. 1218-0072  
Name: Mira Matte

#### Section 1

Manufacturers Name: Miracle Sealants Company  
Address: 12318 Lower Azusa Rd.  
Emergency Phone: 800-350-1901  
City: Arcadia  
State: CA  
Date Prepared: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Aromatic Petroleum Distillates	64741-65-7	100ppm	100ppm
2-Butoxy Ethanol	112345	Not Available	Not Available

VOC Content: 681 g/L

#### Section 3 - Physical/Chemical Characteristics

Boiling point: 212°F  
Vapor pressure: Not Available  
Vapor density: Not Available  
Solubility in water: Insoluble  
Appearance and odor: Colorless liquid with solvent odor.

Specific gravity: 0.850  
Melting point: Not Available  
Evaporation rate: Not Available

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

Flash point: 116°F  
LEL: Not Available  
pH: Not Available

Flammable limits: Not Available  
UEL: Not Available

NFPA hazard rating (0 = Least, 4 = Extreme)  
Health: 2  
Reactivity: 0

Fire: 2  
Other: 0

HMIS Hazard Rating:

Health: 2  
Reactivity: 0

Fire: 2

Extinguishing media: Carbon dioxide, or dry foam.

Special fire fighting procedures: None

Unusual fire and explosion hazards: None

#### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: None.  
Incompatible materials to avoid: Strong oxidizers, heat, flames, and sparks.  
Hazardous decomposition or byproducts: CO, CO<sub>2</sub>.  
Hazardous polymerization: Will not occur.

#### Section 6 - Health Hazard Data

##### Routes of Entry:

Eyes: Possible  
Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health Hazards - Same as signs and symptoms of exposure.

Carcinogenicity:  
OSHA: None  
IARC Monographs: None

NTP: None

Note: All chemicals incorporated into this product are found on the TSCA inventory list.

#### Signs and Symptoms Of Over Exposure:

Eyes - Burning sensation.  
Skin - Irritant.  
Ingestion: Toxic, do not induce vomiting, call physician.

Inhalation: Dizziness, headaches, and irritation..

Medical conditions generally aggravated by exposure: same as signs and symptoms of over exposure.

#### Emergency and First Aid Procedures:

**Eyes:** Flush with water for 15 minutes. If irritation persists, call physician.  
**Skin:** Wash off with soap and water. If irritation persists, call physician..  
**Ingestion:** Do not induce vomiting, call physician.  
**Inhalation:** If affected, remove individual to fresh air. If unconscious, call 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 a 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  
Mechanical - If available

Special - None  
Other - None

Protective gloves: Rubber, plastic or chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or goggles.

Other protective clothing or equipment: None.

Work hygienic practices: Wash hands thoroughly before handling food, liquids or tobacco products. Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other 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#: NA 1993(Combustible liquid) 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: A SARA 313 chemical identified. 2-Butoxy Ethanol

**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.

## WARRANTY & CAUTIONS

### 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.

### Caution

**Mira Matte** contains petroleum distillates. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surfaces has thoroughly dried. **Refer to the MSDS for additional information.**

# Marble Conditioner

## To Polish & Increase Slip Resistance For

- Marble
- Terrazzo
- Agglomerate
- Travertine
- Other Natural Stone

## Uses

- Floors
- Counters
- Walls
- Stairs
- Ramps
- Showers

## Special Features

- Removes Acid Etching
- Increases Polish
- Increases Slip Resistance
- Easy To Use
- Inexpensive
- Fast

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Marble Conditioner** is a chemical recrystallization treatment for use with marble, terrazzo, agglomerate, travertine and some granite. When used as part of a stone care program it will enhance the polished finish and make the surface harder and less slippery. **Marble Conditioner** is very effective as an ongoing maintenance procedure to maintain polish and slip resistance in high traffic areas.

## Sample Testing

Due to the differences of each substrate, 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 masonry and non masonry surfaces.

## APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. This product should be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.**

For the best performance and protection **Miracle Penetrating Sealer/Impregnator** should be used as directed on all surfaces and grout before using **Marble Conditioner** or any other recrystallization formula. This will help resist darkening of light colored surfaces or grout lines. **Miracle Penetrating Sealer/Impregnator** will also provide water, stain and slip resistance.

**Make sure the surface is completely dry before using.**

Shake **Marble Conditioner** thoroughly and pour into a plastic trigger spray bottle. Once in spray bottle, shake contents frequently throughout operation. Spray lightly onto the surface being treated immediately buffing area with a **Marble Master MM1000** (175 rpm/15lbs.) floor machine equipped with a #0, #1 or #2 steel wool pad. Work areas approximately 3' x 3' in size. Apply 2 -3 squirts to the surface, working area in a side to side motion until dry. Once one side of the steel wool pad becomes dirty, turn it over and use the other side. When several sections are completed the overall area should be buffed one last time with a clean dry steel wool pad. This will remove any swirl marks that might be present. Make sure that the steel wool pads, are clean and dry. All steel wool shavings should be removed with a dry dust mop once the area has been completed. Check the finish in day light conditions for your final evaluation. Use **Marble Conditioner** as often as traffic dictates, monthly, quarterly, annually. In heavily damaged areas, honing the surface with abrasives may be necessary prior to the use of **Marble Conditioner** in order to achieve desired results.

**Special Note:** It is also recommended that surfaces be honed with abrasives periodically in order to break the surface crystals that build on the surface with prolonged use. This is important in allowing the proper vapor transmission necessary to natural stone surfaces.

**Heavy Duty Cleaning:** For a non-acid deep clean, use **Liquid Poulitce** as directed.

**Light Duty Cleaning:** Use **Mira Clean #1, Counter Kleen** or **Mira Soap** as directed.

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Marble Conditioner** will cover approximately 1000 - 5000 square feet per gallon (90 - 455 square meters per 3.785 liters) depending on the surface.

## 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 **Marble Conditioner** in the original container, properly sealed to avoid contamination and evaporation. Stored at 77° F (40° C), **Marble Conditioner** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## 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.

## Caution

**Marble Conditioner** contains silica fluorides. Open windows and use fans to circulate air. Good ventilation means that fresh air is flowing in such a way to feel a slight breeze. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. **Refer to the MSDS for additional information.**

# Marble Conditioner

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: Marble Conditioner

**Section 1**

Manufacturers Name: Miracle Sealants Company  
Address: 12318 Lower Azusa Road  
Emergency Phone: 800-350-1901  
City: Arcadia  
State: CA  
Date Prepared: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Magnesium Hexa-Fluorosilicate	16949-65-8	2.5mg/M <sup>3</sup>	2.5mg/M
Fluosilic Acid	16961-83-4	2.5mg/M <sup>3</sup>	2.5mg/M

VOC : 0% by weight (non-regulated)

**Section 3 - Physical/Chemical Characteristics**

Boiling point: >212° F Specific gravity: 1.1  
Vapor pressure: Not tested Melting point: Not tested  
Vapor density: Not tested Evaporation rate: Not tested  
Solubility in water: Miscible

Appearance and Odor: Opaque Cream, Acrid Odor

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

Flash point: Not Available Flammable limits: Not tested  
LEL: Not tested UEL: Not tested  
pH: 0.5-2.0

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

Health: 3 Fire: 0  
Reactivity: 0 Other: 0

HMIS Hazard Rating:

Health: 3 Fire: 0  
Reactivity: 0

Extinguishing media: None

Special fire fighting procedures: None

Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable

Conditions to avoid: Acid sensitive surfaces

Incompatible materials to avoid: Strong oxidizers, ammonia

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

Hazardous polymerization: Will not occur.

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

Eyes - Possible

Inhalation - Possible

Skin - Possible

Ingestion - Possible

Health hazards - Same as signs and symptoms of exposure.

OSHA Carcinogenicity - None; NTP - None; IARC Monographs - None

**Signs and Symptoms of Over Exposure:**

Eyes: Burning sensation

Skin: Severe irritation

Ingestion: Severe, burning irritation

Inhalation: Irritation, dizziness, headaches.

Medical conditions generally aggravated by exposure: None known.

**Emergency and First Aid Procedures:**

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

**Skin:** Wash with soap and water. If irritation persists, call physician.

**Ingestion:** Do not induce vomiting. Call 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 a 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 less than or equal to 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: Fluorosilicate, N.O.S. 6.1, UN 2856, PGIII, (Contains magnesium Fluorosilicate) Requires Keep Away From Food Placard. Please refer to the Bill of Lading receiving/documents for up-to-date information.

DOT#: UN 2856

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.

# Stone Polish

## Natural Stone Polish For

Counter Tops, Fireplaces, Vanities, Walls & Furniture

### Special Features

- Easy-to-Use
- High Shine
- Inexpensive

### PRODUCT DESCRIPTION

KEEP OUT OF REACH OF CHILDREN. **Stone Polish** nourishes and enriches the natural beauty and polish of marble, granite, agglomerate, terrazzo and stone counter tops, vanities, fireplaces, furniture and walls. **Stone Polish** is not recommended for floors. **Stone Polish** will hide light scratches and light etch marks while leaving a beautiful protective shine. **Stone Polish** is easy to use and requires no machinery to apply or remove.

### Sample Testing

Due to the differences of each material, 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 surfaces.

### APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. This product should be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.**

Shake well before using. Apply **Stone Polish** liberally with a clean soft cloth. Allow to dry to a haze before buffing off with a clean dry cloth or #1, #0 or #00 steel wool pad by hand. For larger areas a hand machine may also be used. **NOT FOR USE ON FLOORS.**

**Heavy Duty Cleaning:** For a non-acid deep clean, use **Liquid Poutlice** as directed.

**Light Duty Cleaning:** Use **Mira Clean #1** or **Counter Kleen** as directed.

### Residue Removal

To remove accumulated **Stone Polish** residue, use **Residue Remover** as directed.

### Cure Time

Allow **Stone Polish** to cure 3 - 72 hours before using surface for food contact.

### Water, Stain & Slip Protection

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

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Stone Polish** will cover up to 3,000 square feet per gallon (270 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.

### Special Notes

To remove scratches and etch marks, try **Water Ring & Etch Remover, Mira Polish, Mira Dust** or **Granite Brite.**

### Storage

Store **Stone Polish** in the original container, properly sealed and unmixed. Stored at 77° F (40° C), **Stone Polish** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### 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.

### Caution

**Stone Polish** contains combustible petroleum distillate. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Use open windows and fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until material has thoroughly dried. **Refer to the MSDS for additional information.**

## Stone Polish

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

29 CFR 1910.1200  
Identity No: OMB No. 1218-0072  
Name: Stone Polish

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Aliphatic Hydrocarbons	8052-4-3	100 ppm	100 ppm
VOC Content: 80 g/L			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 360 - 510° F	Specific gravity: 0.77
Vapor pressure (Mm Hg): 2	Melting point: Not Available
Vapor density (Air=1): 4.9	Evaporation rate: 0.12
Weight per gallon: 6.4 lbs	Solubility in water: Insoluble

Appearance and odor: Cloudy white liquid - Solvent odor.

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

Flash Point: 105° F (TCC) Flammable limits: Lower-1.0/Upper-6.0  
Auto ignition temp: 490° F

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

Health: 1	Fire: 2
Reactivity: 0	Other: 0

HMIS Hazard Rating:

Health: 1	Fire: 2
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Reactivity: 0

Extinguishing media: Foam, carbon dioxide, dry chemical.

Special fire fighting procedures: Use self contained breathing apparatus.

Pressure demands MSHA/NIOSH approved (or equivalent) and full protective gear. Cool fire exposed areas & equipment.

Unusual fire and explosion hazards: Do not use direct stream of water, material may float and reignite. Vapor fumes can catch fire and ignite.

**Section 5 - Reactivity Data**

Stability: Stable.

Conditions to avoid: Sparks or open flames, or severe heat.

Incompatible materials to avoid: Strong oxidizers & reducing agents.

Hazardous decomposition: Thermal decomposition products might include carbon monoxide and carbon dioxide.

Hazardous polymerization: Will not occur

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

Inhalation - Possible

Skin - Possible

Ingestion - Possible

Eyes - Possible

Health Hazards - Same as signs and symptoms of overexposure.

Carcinogenicity:

OSHA: None NTP: None

IARC Monographs: None

**Signs and Symptoms of Overexposure:**

Skin: May cause skin irritation on prolonged or repeated contact.

Eyes: Mild Irritation.

Ingestion: Harmful if swallowed.

Inhalation: Avoid inhalation, if affected, remove individual to fresh air.

Medical conditions generally aggravated by exposure: None known.

Chronic effects of over exposure: Prolonged exposure to high concentrations may cause symptoms of central nervous system

Depression such as headache, dizziness, loss of coordination. Affected persons normally experience complete recovery when removed from exposure area.

**Emergency and First Aid Procedures**

**Ingestion:** If swallowed, contact a physician or poison control center immediately. Do not induce vomiting unless directed by physician.

**Skin:** Remove contaminated clothing and wash affected areas of skin with soap and water. Contact a physician if irritation persists.

**Inhalation:** Remove affected person to fresh air. Apply artificial respiration if indicated.

**Eyes:** Flush with plenty of water. Contact a physician if irritation persists.

**Section 7 - Precautions for Safe Handling and Use**

Steps to be taken in case material is released or spilled: Eliminate all open flame in vicinity of spill or released vapor. Stop the source of leak or release. Clean up released as soon as possible observing.

Precautions listed under special protective information. Contain liquid to prevent further contamination of soil, surface water or ground water. Clean up small spills using appropriate techniques such as sawdust, earth, etc.

Waste disposal method: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environment or health authorities for approved disposal of this material.

Precautions to be taken in handling and storing: storing upright at room temperature. Avoid exposure to extreme temperatures. Do not use or store near flame, sparks, or hot surfaces. Use only in well ventilated areas.

Containers smaller than one gallon: Store in original container in a cool dry place inaccessible to children and pets

Keep container closed when not in use. Emptied container still contains hazardous or explosive vapor or liquid.

**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 - Okay

Special - None

Other - None

Mechanical - Yes, when in enclosed spaces

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting splash proof safety glasses.

Other protective clothing or equipment: As necessary to protect against prolonged or repeated contact.

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: Coating Solution, Liquid. Please refer to the Bill of Lading receiving/documents for up-to-date information.

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.

# Grout Color Kit

## Grout Color Modification For

All Sanded, Non-sanded, Epoxy Grout and Mortar Joints.

### Uses

- Kitchen Counters
- Bathroom Floors
- Kitchen Floors
- Service Porches
- Bathroom Showers
- Patios

### Special Features

- Easy To Use
- Durable Formula
- Seals & Protects
- 9 Color Choices
- Custom Colors

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Grout Color was designed to change or rejuvenate the color of all grout. It will seal and protect new grout from moisture and staining while allowing restoration of old existing grout without replacing. Grout Color Kit can be used on both interior and exterior applications and comes complete with a unique applicator tip and scrub pad for ease or remove of use. Grout Color Kit is available in 9 popular colors.

### Sample Testing

Due to the differences of each material, 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 non masonry surfaces.

## APPLICATION INSTRUCTIONS - SURFACE PREPARATION

**Read entire label and PDS/MSDS before using.**

Grout should be allowed to cure per manufacturer's specification prior to using the product. Grout or mortar must be dry and free of contaminant, including previously applied sealer, dirt, lime, hard water deposits, efflorescence, rust & other heavy dirt and grime.

Test for previously applied sealer by applying a few drops of water to grout. If the water absorbs and darkens the grout then a sealer/coating has not been used or is no longer effective. If a sealer/coating is present it must be removed before continuing. Existing grout must be clean, dry and free of dirt & grease. If you are working with a porous tile surface it should be sealed with the appropriate **Miracle Penetrating Sealer/Impregnator** before using the **Grout Color Kit** to prevent surface staining. Make sure to avoid getting Impregnator on grout to be colored.

**Coating/Wax Removal:** To remove existing coatings and/or waxes use **Mira Strip** or **H2O Strip** with a grout brush. Extract all dirty remains with a wet vacuum system and allow to dry.

**Heavy Duty Cleaning:** To remove lime, hard water deposits, efflorescence, rust and other heavy dirt, grease and grime use **Phosphoric Acid Cleaner**, **GCFR**, **Porcelain & Ceramic Tile Cleaner** or **Liquid Poulitice** as directed. If an additional non acid, deep cleaning is necessary use **Liquid Poulitice** as directed. All strippers and/or cleaners should be thoroughly rinsed with clean water and the materials allowed to dry.

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

### Application

Shake well before using. Do not apply when temperature is below 50° F or above 80° F. Apply **Grout Color Kit** to the grout or mortar joint with it's unique applicator tip using a back & forth motion. Try to limit the amount of colorant that gets onto the presealed tile or stone surface. If you are going from a dark color to a light color, 2 or more applications may be necessary. Allow **Grout Color Kit** to dry at least 5 - 10 minutes (time will vary depending on ambient temperature - test before application).

At this time remove colorant residue from the tile or stone surface with water and the enclosed nylon scrub pad. Allow a minimum of 2 hours drying time between applications. It should be easily removable from properly sealed porous tile or non-porous tile but bonded permanently to the grout or mortar joint. If **Grout Color Kit** is easily removed from grout joint, allow longer curing time. Avoid direct scrubbing on joint joints for at least 20 days to allow **Grout Color Kit** to reach maximum durability.

### Cure Time

**Grout Color Kit** will be dry to the touch in 45 - 60 minutes and may be put into service. For optimum results the area should be kept dry and free from staining materials for 72 hours.

### Coverage

Coverage will vary depending on the density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Grout Color Kit** will cover 37 - 145 square feet per 8-oz. bottle (5 square feet per 18 millimeters).

## 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 **Grout Color** in the original container, properly sealed to avoid contamination evaporation. Stored at 77° F (40° C), **Grout Color Kit** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

**Grout Color Kit** contains combustible petroleum distillate. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Use open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. **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.



# Grout Color Kit



www.miraclesealants.com

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

Identity No: \_\_\_\_\_ Name: Grout Color

**Section 1**

Manufacturers Name: Miracle Sealants Company  
 Address: 12318 Lower Azusa Road  
 Emergency Phone: 800-350-1901  
 City: Arcadia  
 State: CA  
 Date Prepared: 12-2009

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

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Modified Bisphenol A A-Ech Based Epoxy Resin			
2-Propoxyethanol	2807-30-9	Not Available	Not Available
Solvent Naphtha	64742-88-7	Not Available	Not Available

(Petroleum) Medium Aliphatic  
 VOC: Less than or equal to 12 g/L Coating V.O.C.: < .010 g/L

**Section 3 - Physical/Chemical Characteristics**

Boiling point: Not Available Specific gravity (H<sub>2</sub>O=1): 1.04  
 Vapor pressure: Not tested Melting point: Not tested  
 Vapor density: Heavier than air Evaporation rate: Slower than ether

Solubility in water: Dispersible  
 Appearance and odor: Tinted viscous liquid with mild odor.

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

Flash point: Not Available Flammable limits: Not Available  
 LEL: Not Available UEL: Not Available  
 pH: Not tested DOT#: Not Available  
 NFPA hazard rating - H F R S (0-Least, 4-Extreme): 0 0 0 0

Extinguishing media: Foam, CO<sub>2</sub>, dry chemical, water fog.  
 Special fire fighting procedures: Not flammable  
 Unusual fire and explosion hazards: NOT AVAILABLE

**Section 5 - Reactivity Data**

Stability: Stable  
 Conditions to avoid - Excessive heat  
 Incompatible materials to avoid: Can react vigorously with strong oxidizing agents, mineral acids, and strong mineral or organic bases/especially primary and secondary aliphatic amines. Reaction with some curing agents may produce considerable heat.

Hazardous decomposition or byproducts: Carbon dioxide and possibly carbon monoxide  
 Hazardous polymerization: Will not occur.

**Section 6 - Health Hazard Data**

**Routes of Entry:**  
 Eyes - Possible  
 Inhalation - Possible  
 Skin - Possible  
 Ingestion - Possible

Health Hazards - Same As Signs And Symptoms Of Exposure.  
 OSHA regulated - No; Carcinogenicity - No; NTP Carcinogen - No;  
 IARC Monographs - No

**Signs and Symptoms of Over Exposure:**  
 Eyes: Severe irritation, pain and tearing marked by excess redness and swelling of the eye and possibly chemical burns to the eye.  
 Skin: Can dry and defatting skin causing cracks, irritation and dermatitis.  
 Ingestion: Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.  
 Inhalation: Overexposure may result in difficulty breathing, headache, nausea, vomiting and drowsiness. Prolonged overexposure may result in lung damage.

Medical conditions generally aggravated by exposure - preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product.

Preexisting skin or respiratory allergies may increase the chance of developing increased allergy symptoms from exposure to this product.

Impaired blood forming functions from preexisting disorders may be aggravated by exposure to this product.

**Emergency and First Aid Procedures:**

**Eyes:** Flush with water for 15 minutes. If irritation persists, call physician.  
**Skin:** Wash with soap and water. If irritation persists, call physician.

**Ingestion:** Call a physician or Poison Control Center. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may administer oxygen. Call a physician.

**Notice to physician:**  
 If more than 2.0 ml per kg has been ingested and vomiting not occurred, emesis should be induced with supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

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

Steps to be taken in case material is released or spilled: Remove all sources of ignition. Soak up with absorbent material and remove to closed container. Wash area with mild detergent and water. Dispose of in accordance with state, local and federal regulations.

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

Precautions to be taken in handling and storing: KEEP AWAY FROM CHILDREN. Do not get in eyes, on skin, or clothing. Do not take internally. Keep container closed when not in use. Avoid breathing vapor. Wash thoroughly after handling and before eating or drinking. Use with adequate ventilation.

Other precautions: No eating or drinking should be allowed in the vicinity of this material.

**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 recommended.  
 Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Solvent resistant safety eyewear with splash guards or side shields is recommended. Contact lenses should not be worn.

Other protective clothing or equipment: Chemical resistant clothing  
 Eye wash facility and safety shower recommended. Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

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 Hazard Class: Not Available  
 OSHA Hazard Class: Not Available  
 UN/NA Number: Not Available  
 EPA Hazard Waste: Not Available  
 CPSC Classification: Not Available  
 Transportation Class: 55

\*No reportable quantity hazardous ingredient are present\*

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.

This product does not contain any material which is subject to the annual reporting requirements under section 313 of SARA, title iii. Contact the EPA For information regarding the reporting requirements.

# Porcelain & Ceramic Tile Cleaner



www.miraclesealants.com

## Conditioning Cleaner For

- Porcelain Tile
- Ceramic Tile
- Vitreous Tile
- China
- Stainless Steel
- Polished Metals
- Honed/Unpolished Natural Stone
- Corian®
- Formica®

## Special Features

- Clinging Action
- Easy to Use
- No Acid
- No Harsh Abrasives
- Interior & Exterior
- Convenient Squirt Bottle

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Miracle Porcelain & Ceramic Tile Cleaner** is a unique penetrating scouring compound that quickly and easily removes stubborn stains, grease, soap scum, heel & scuff marks, dirt and everyday grime. Because it is a creme, it clings to and stays on all surfaces making it easy to use. **Porcelain & Ceramic Tile Cleaner** contains no harsh abrasives. **Porcelain & Ceramic Tile Cleaner** cleans the surface. **Porcelain & Ceramic Tile Cleaner** is safe for daily use even on honed stone shower and bath surrounds to remove most hard water deposits and soap scum that develops.

## Sample Testing

Due to the differences of each material, 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 masonry and non masonry surfaces.

## APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. This product is to be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.**

Shake well before and during use. Squeeze onto a damp cloth or sponge and apply directly to the soiled surface. For larger areas it may be squeezed directly onto the surface. Scrub the surface in a circular motion for best results. Remove loosened dirt with a clean, damp cloth or sponge. Rinse with clean water as needed.

For floor surfaces, squeeze directly onto the surface to be cleaned. Scrub the surface until clean using a slow speed **Marble Master** (150 rpm -320 rpm) floor machine equipped with a nylon scrub brush or pad. Typically, cleaning is accomplished in seconds. Rinse with clean water where necessary to remove loosened dirt, film and residual cleaner. After cleaning, once the surface is dry to the touch, it may be put into service again.

## Special Notes

Do not use on polished marble, limestone or other calcium-base surfaces. Be careful to choose the appropriate stripping pad or brush. Do not allow to dry on the surface.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** and **Liquid Poultice** as directed.

## Water, Stain & Slip Protection

For the best protection and to aid in future cleaning, we recommend sealing all surfaces with the appropriate **Miracle Penetrating Sealer/Impregnator**.

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Porcelain & Ceramic Tile Cleaner** will cover approximately 1200 - 2000 square feet per gallon (100 - 180 square meters) per gallon, 300 - 500 square feet (27 - 45 square meters) per quart.

## 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 **Porcelain & Ceramic Tile Cleaner** upright in the original container, properly sealed to avoid contamination and evaporation. Stored at 77° F (40° C), **Porcelain & Ceramic Tile 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## Caution

Use in a well ventilated area. Chemical resistant gloves should be worn at all times. Do not take internally. Keep small children and pets out of area until product or surface has thoroughly dried. **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.

# Porcelain & Ceramic Tile Cleaner

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: 3002 Name: Porcelain & Ceramic Tile 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: 12-2009

### Section 2 - Hazardous Ingredient/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	25ppm	25ppm
Ammonia Hydroxide*	133-621-6	35ppm	35ppm

(\*Note: A Sara 313 Chemical)  
VOC: 2.44% by weight

### Section 3 - Physical/Chemical Characteristics

Boiling point: >212° F	Specific gravity: Not tested
Vapor pressure: Not tested	Melting point: Not tested
Vapor density: Not tested	Evaporation rate: Not tested
Solubility in water: Miscible	

Appearance and odor: Opaque gray, fragrant odor.

### Section 4 - Fire And Explosion Hazard Data

Flash point: Not Available	Flammable limits: Not tested
LEL: Not tested	UEL: Not tested
pH: 8.5 - 10.00	
NFPA hazard rating (0 = Least, 4 = Extreme)	
Health: 1	Fire: 0
Reactivity: 0	Other: 0
HMIS Hazard Rating:	
Health: 1	Fire: 0
Reactivity: 0	
Extinguishing media: None	
Special fire fighting procedures: None	
Unusual fire and explosion hazards: None	

### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: Strong Oxidizers  
Hazardous decomposition or byproducts: CO, CO<sub>2</sub>  
Hazardous polymerization: Will not occur.

### Section 6 - Health Hazard Data

#### Routes of Entry:

Eyes: Possible  
Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health Hazards - Same as signs and symptoms of exposure.

#### Carcinogenicity:

OSHA: None NTP: None  
IARC Monographs: None

#### Signs and Symptoms of Over Exposure:

Eyes: Burning sensation  
Skin: Slight irritation  
Ingestion: May cause nausea  
Inhalation: Dizziness, headaches, irritation

Medical conditions generally 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 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 a 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#: None

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:** Ammonium Hydroxide is a SARA 313 chemical.

**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.

# 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 haze 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 other acid-base cleaners for concrete, tile, grout and natural stone surfaces.

**DO NOT USE ON ACID SENSITIVE/POLISHED 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 Powlitice as directed.

## Special Notes:

Acid and the vapors, 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.

## 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: 12-2009

**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.

# GCFR

## Grout & Concrete Film Remover



www.miraclesealants.com

### Deep Cleaning Action For Most Surfaces Including:

- Flamed & Honed Granite
- Cleft & Honed Slate
- Flamed & Honed Limestone
- Unglazed Ceramic Tile
- Sanded Grout
- Concrete
- Tumbled & Honed Marble
- Quarry Tile
- Ceramic Tile
- Porcelain Tile
- Cast Stone
- Masonry

### Special Features

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

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN. GCFR (Grout & Concrete Film Remover)** is a fast acting, heavy duty acid cleaner for textured, non polished, natural and man made surfaces. **GCFR** removes sanded grout haze and mortar residue, joint cement, lime & hard water deposits, efflorescence, rust and other heavy dirt and grime. **GCFR** is suitable for interior and exterior use.

### Sample Testing

Due to the differences of each material, 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 surfaces.

### APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using.**

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

If a non acid deep cleaning is necessary use **Liquid Powlitce** as directed.

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

### Special Notes

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

Avoid contact with metals.

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

Allow all new grout, concrete, cement or masonry to cure per the manufacturer's specification before using **GCFR**.

### Water, Stain & Slip Protection

To protect cleaned areas 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.

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on the surface and application method. Used as directed, **GCFR** will cover approximately 1,000 - 2,000 square feet per gallon (90 - 185 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 **GCFR** in the original container, properly sealed to avoid contamination and evaporation. Stored at 77° F (40° C), **GCFR** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

**GCFR** contains hydrochloric acid. Keep away from eyes and skin. Do not inhale or swallow. Chemical resistant gloves and respirators should be worn at all times. 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 completely eliminated. Inhaling the 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 has thoroughly dried. **Refer to 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.

**GCFR****Grout & Concrete Film Remover**

**MIRACLE**  
Sealants Company

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: Grout And Concrete Film Remover

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Hydrochloric Acid	7647-01-0	5ppm	5ppm
VOC : 0% by weight			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: > 212°F Specific gravity: 1.125  
Vapor pressure : Not tested Melting point: Not tested  
Vapor Density : Not tested Evaporation rate: Not tested  
Solubility in water: 100%  
pH: 0.5-2.0

Appearance and odor: Amber color, acrid odor

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

Flash point: Not Available Flammable limits: Not tested  
LEL: Not tested UEL: Not tested

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

Health: 3 Fire: 0  
Reactivity: 0 Other: 0

HMIS Hazard Rating:

Health: 3 Fire: 0  
Reactivity: 0

Extinguishing media: None

Special fire fighting procedures: None

**Section 5 - Reactivity Data**

Stability: Stable

Conditions to avoid: None

Incompatible materials to avoid: Strong oxidizers, ammonia

Hazardous Polymerization: Will not occur.

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

**Sign And Symptoms Of Over Exposure:**

Eyes: Burning sensation.

Skin: Severe irritation.

Ingestion: Poisonous, vomiting, irritation.

Inhalation: Burning Irritation.

Medical conditions aggravated: None known.

**Emergency and First Aid Procedures:****Eyes:** Flush with water for 15 minutes. If irritation persists, call a physician.**Skin:** Wash 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 and 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 a proper waste disposal container.

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

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

Protective gloves: Rubber or plastic, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or 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#: NA 1760 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.

# Mira Clean #1

### Deep Cleaning Action For Most Surfaces Including

- Sanded Grout
- Clay Pavers
- Glazed Tile
- Terrazzo
- Travertine
- Non-sanded Grout
- Limestone
- Granite
- Brick
- Concrete
- Quarry Tile
- Ceramic Tile
- Marble
- Slate
- Masonry

### Uses

- Interior & Exterior
- Walls
- Counters
- Showers
- Floors
- All Grout

### Special Features

- Easy to Use
- Cost Effective

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Mira Clean #1 is a non acidic cleaner & degreaser developed specifically for tile, grout, natural & cast stone and masonry surfaces. Mira Clean #1 will handle difficult stains, yet is gentle enough for everyday use. Mira Clean #1 is very effective as an ongoing maintenance cleaner for surfaces previously sealed with the appropriate **Miracle Penetrating Sealer/Impregnator**. Mira Clean #1 will not harm the polish on polished stone surfaces.

### Sample Testing

Due to the differences of each material, 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 non masonry surfaces.

### APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using.

Mira Clean #1 is concentrated and requires dilution. To remove difficult stains such as oil and grease, mix one part Mira Clean #1 with 3 parts hot water (cold water can be used but cleaning action will be reduced). Apply Mira Clean #1 with a clean mop or self-feeding floor machine. Allow the solution to stand for 10 minutes while agitating periodically with the appropriate scrub brush. DO NOT allow solution to dry on the surface. Extract all the dirty remains with a wet vacuum system. Rinse the surface thoroughly with hot water and allow to dry. Difficult stains may require a second application. If area is still dirty after the second cleaning use **Liquid Poultice, Phosphoric Acid Cleaner, Sulfamic Acid Crystals, Porcelain & Ceramic Tile Cleaner, or GCFR (Grout & Concrete Film Remover)** as directed.

For general cleaning, mix one cup Mira Clean #1 with 3 gallons hot water following the same instructions as before.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner, GCFR, and Porcelain & Ceramic Tile Cleaner** as directed.

### Surface Coating/Wax Removal

To remove existing coatings and/or waxes, use **Mira Strip** or **H2O Strip** as directed.

### Water, Stain & Slip Protection

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

### Color and Gloss Enhancement

To enhance color and gloss use **511 Seal & Enhance, Mira Matte, Mira Shine** or **Stone Polish** as directed.

### Polish Enhancement

Use **Marble Conditioner, Water, Ring & Etch Remover, Mira Dust, Granite Brite, MiraPolish** and **Tile Brite** as directed.

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Mira Clean #1** will clean up to 10,000 square feet per gallon (927 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 **Mira Clean #1** in the original container properly sealed and unmixed. Stored at 77° F (40° C), **Mira Clean #1** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### 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.

### Caution

Use only in well ventilated area. Open windows and use fans to circulate air. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. **Refer to the MSDS for additional information.**



# Mira Clean #1

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: L0323012 Name: Mira Clean #1

**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: 12-2009

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

Hazardous Components: None  
VOC : 4% by weight before dilution  
Note: Non-carcinogenic

**Section 3 - Physical/Chemical Characteristics**

Boiling point: >212° F Specific gravity: 1.020  
Vapor pressure: Not tested Melting point: Not tested  
Vapor density: Not tested Evaporation rate: Not tested  
Solubility in water: 100%

Appearance and odor: Brown, color liquid with floral fragrance.

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

Flash Point: Not Available Flammable Limits: Not tested  
LEL: Not tested UEL: Not tested  
pH: 7 — 8

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

Health: 1 Fire: 0  
Reactivity: 0 Other: 0

HMIS Hazard Rating:

Health: 1 Fire: 0  
Reactivity: 0

Extinguishing media: CO<sub>2</sub>, dry foam  
Special fire fighting procedures: None  
Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: Strong oxidizers  
Hazardous decomposition or byproducts: CO, CO<sub>2</sub>  
Hazardous polymerization: Will not occur

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

Eyes - Possible  
Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health Hazards - Same as signs and symptoms of exposure.

Carcinogenicity:

OSHA: None NTP: None  
IARC Monographs: None

Note: All chemicals incorporated into this product are found on the TSCA inventory list.

**Signs and Symptoms of Over Exposure:**

Eyes: Burning sensation  
Skin: Slight irritation  
Ingestion: Nausea  
Inhalation: Not expected to be a problem

Medical conditions generally 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.

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

**Inhalation:** Remove to fresh air.

**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 a 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 less than or equal to 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.

**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 glasses.

Other protective clothing or equipment: None.

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#: Not Available 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.

# Mira Soap

## No Rinse Liquid Stone Soap Cleaner For

Non polished, Honed, Tumbled or Textured Surfaces including:

- Limestone      ■ Marble      ■ Terrazzo      ■ Concrete
- Travertine     ■ Granite     ■ Slate        ■ Clay

### Uses

- Interior & Exterior

### Special Features

- No Rinse
- Easy-to-Use
- Natural Protection

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Mira Soap** is a unique natural stone soap designed for cleaning and maintaining stone containing calcium. **Mira Soap** reacts with the calcium in terrazzo, limestone, marble or concrete to produce a protective layer that helps resist wear to the surface. As the protective shield is worn away, it will be repaired during the next cleaning cycle. Because **Mira Soap** reacts with calcium in the surface there is no risk of buildup. Once the surface is dry, it can be buffed with a floor machine using a white pad or polishing brush to increase the shine. **Mira Soap** is excellent for regular maintenance and will enrich, nourish and deepen the natural color and patina of the surface.

### Sample Testing

Due to the differences of each material, 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 non masonry surfaces.

## EXISTING INSTALLATIONS - SURFACE PREPARATION

Surface must be dry and free of contaminant, including previously applied sealers, dirt, lime, hard water deposits, efflorescence, rust & other heavy dirt and grime.

### Floor Coating/Wax Removal:

To remove existing coatings and/or waxes use **Mira Strip** or **H2O Strip** per specification.

**Heavy Duty Cleaning:** To remove lime, hard water deposits, efflorescence, rust and other heavy dirt, grease and grime use **GCFR (Grout & Concrete Film Remover)** or **Phosphoric Acid Cleaner** following the instructions carefully.

For a non-acid deep cleaning, use **Liquid Powlitce** as directed.

**Light Cleaning:** Use **Mira Clean #1** or **Counter Kleen** as directed.

### Application Instructions:

**Read entire label and PDS/MSDS before using.**

Always dry dust mop or sweep area to be cleaned before applying **Mira Soap**. During the first six months, damp mop the surface with **Mira Soap** and water on a regular basis by mixing 1 part **Mira Soap** to 10 parts water. After six months, maintain area by damp mopping with a ratio of 1 part **Mira Soap** to 20 parts water. When the solution becomes dirty or cloudy, replace it. Do not rinse **Mira Soap** off the floor. Use as directed in proper solution and allow to dry.

Light buffing with a floor machine (175 - 2000 rpm) and white pad or soft brush will improve the shine. Allow **Mira Soap** to dry for at least 45 minutes before buffing. **Mira Soap** is also effective on counters and vertical surfaces.

### Water, Stain & Slip Protection

To protect cleaned area from future soiling and staining and increase static coefficient of friction, we recommend applying the appropriate **Miracle Penetrating Sealer/Impregnator** per specification, prior to first application of **Mira Soap**.

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Mira Soap** will clean from 1000 - 7,000 square feet per gallon (90 - 630 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 **Mira Soap** in the original container, properly sealed and unmixed. Stored at 77° F (40° C), **Mira Soap** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

**Mira Soap** use only in well ventilated areas. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surfaces has thoroughly dried. **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.

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: 7858 Name: Mira Soap

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Dipropylene Glycol	34590-94-8	100ppm	100ppm
Methyl Ether			

VOC : 12% by weight before dilution (non-regulated)

**Section 3 - Physical/Chemical Characteristics**

Boiling point: > 212°F Specific gravity: 0.97  
Vapor pressure: Not tested Melting point: Not tested  
Vapor density: Not tested Evaporation rate: Not tested  
Solubility in water: 100%

Appearance and Odor: Amber/Almond Odor

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

Flash point: Not Available Flammable limits: Not tested  
LEL: Not tested UEL: Not tested  
pH: 8.0 - 9.5  
NFPA hazard rating (0 = Least, 4 = Extreme)  
Health: 1 Fire: 0  
Reactivity: 0 Other: 0  
HMIS Hazard Rating:  
Health: 1 Fire: 0  
Reactivity: 0  
Extinguishing media: None  
Special fire fighting procedures: None  
Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: Strong Oxidizers  
Hazardous decomposition or byproducts: CO, CO<sub>2</sub>  
Hazardous polymerization: Will not occur.

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

Eyes - Possible  
Inhalation - Possible  
Skin - Possible  
Ingestion - Possible

Health hazards - Same as signs and symptoms of exposure.

**Carcinogenicity:**

OSHA: None NTP: None  
IARC Monographs: None

**Signs And Symptoms Of Over Exposure:**

Eyes: Burning sensation  
Skin: Dryness, slight irritation  
Ingestion: Nausea  
Inhalation: Slight irritation

Medical conditions generally aggravated by exposure - Not known.

**Emergency and First Aid Procedures:**

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

**Skin:** Wash off with soap and water. If irritation persists, call physician.

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

**Inhalation:** Get person to fresh air. If unconscious, call 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 a 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 less than or equal to 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: None.

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#: Not Available

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.

# Liquid Powlitce Part A

## Deep Cleaning Solution



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### Deep Cleaning Action For Most Surfaces Including:

- Sanded Grout
- Clay Pavers
- Glazed Tile
- Brick
- Non-sanded Grout
- Masonry
- Limestone
- Marble
- Stucco
- Any Acid-Sensitive Natural Stone
- Quarry Tile
- Ceramic Tile
- Terrazzo
- Concrete

### Uses

- Kitchen Counters
- Lobby Floors
- Interior Walls
- Kitchen Floors
- Bathroom Floors
- Exterior Walls
- Bathroom Showers
- Porches & Patios
- Monuments

### Special Features

- Easy-to-Use
- No Acid
- Interior & Exterior Use
- Safe for All Polished Stone

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Liquid Powlitce is a unique two part formulation, (Bottle A & Bottle B), designed for deep cleaning all porous stone surfaces and grout. The percolating cleaning action of Liquid Powlitce penetrates deep into the pores of the surface to safely lift out mold stains, mildew stains, algae stains, fungus stains, food grease, coffee, tea and other types of foreign matter from natural stone, grout, tile, concrete, stucco and masonry surfaces.

Liquid Powlitce is a non-acidic cleaner that will not harm the polish on polished stone surfaces.

### Sample Testing

Due to the differences of each material, 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 masonry, wood, carpet, metal, landscaping and other non masonry surfaces.

### APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using.

Thoroughly mix 1 part of Liquid Powlitce (Bottle A) with 2 parts hot water. (Cold water can be used but cleaning action will be reduced). Add 1 part Activator (Bottle B) to the above mixture. Once the Activator is added, be sure to keep the mixture vented to prevent oxygen build up. Mix in an open container. Once Activator (Bottle B) has been added, the solution must be used within 72 hours.

Wet the surface to be cleaned with water lightly before starting. Apply Liquid Powlitce with Mira Brush a clean mop, self-feeding floor machine or sprayer. Allow the solution to stand for a minimum of 45 minutes while agitating periodically with the appropriate scrub brush. DO NOT allow solution to dry on the surface. If surface starts to dry, add more Liquid Powlitce Solution. Extract all the dirty remains with a wet vacuum system. Rinse the surface thoroughly with hot water and allow to dry. Difficult stains may require a second application. On wall surfaces a fine mist of Liquid Powlitce maybe left to dry after initial cleaning is complete. Liquid Powlitce will continue to pull dirt to the surface for up to 72 hours after completion. Allow to dry 24 - 72 hours before sealing the surface.

**Heavy Duty Cleaning:** To remove lime, hard water deposits, efflorescence, rust and other dirt and grime use GCFR or Phosphoric Acid Cleaner as directed.

### Water, Stain & Slip Protection

To protect cleaned areas 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.

### Polish Enhancement

Periodically use Mira Dust, Mira Polish, Marble Conditioner or Granite Brite 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, Liquid Powlitce will cover approximately 500 - 1,000 square feet per gallon (45 - 93 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 Liquid Powlitce (Bottle A) and Activator (Bottle B) upright in their original containers, properly sealed and unmixed. Stored at 77° F (40° C), Liquid Powlitce 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

Liquid Powlitce is an alkaline liquid. Store in cool area. Only use this product 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 completely eliminated. Avoid contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surfaces has thoroughly dried. 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.

# Liquid Poultice Part A

## Deep Cleaning Solution

### Osha's Hazard Communication Standard

#### U.S. Department Of Labor

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: Liquid Poultice (A)

#### 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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
2-Hydroxyethylamine	141-43-5	3 ppm	3 ppm
2-Butoxy Ethanol *	111-76-2	25 ppm	25 ppm

VOC : 0% by weight before dilution

#### Section 3 - Physical/Chemical Characteristics

Boiling point: 212°F Specific gravity: 1.013  
Vapor pressure (MmHg): Not tested Melting point: Not tested  
Vapor density: Not tested Evaporation rate: Not tested  
Solubility in water: 100%

Appearance and odor: Colorless, solvent odor

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

Flash point: Not Available Flammable limits: Not tested  
LEL: None known UEL: None known  
pH: 10.5-12.5

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

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

HMIS Hazard Rating:

Health: 2 Fire: 0  
Reactivity: 0

Extinguishing media: CO<sub>2</sub>, dry foam.  
Special fire fighting procedures: None  
Unusual fire and explosion hazards: None

#### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: None  
Hazardous polymerization: Will not occur  
Hazardous decomposition or byproducts: None  
Incompatible materials to avoid: None

#### Section 6 - Health Hazard Data

##### Routes of Entry:

Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Eyes - Possible  
Health hazards - Same as signs and symptoms of overexposure.

##### Signs and Symptoms of Over Exposure:

Eyes: Burning sensation, irritation  
Skin: Irritation  
Ingestion: Burning irritation  
Inhalation: Slight irritation

Medical conditions generally aggravated by exposure - None known.

#### Emergency and First Aid Procedures:

**Eyes:** Flush immediately with plenty of water for 15 minutes while holding eyelids open. If irritation persists, call physician.

**Skin:** Flush skin with water, follow by washing with soap and water. If irritation persists, call physician.

**Inhalation:** Move victim to fresh air, and provide oxygen if breathing is difficult. Call physician.

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

#### 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 a 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, less than or equal to 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: None.

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#: Not Available 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.

# Liquid Poultrice Part B

## Deep Cleaning Solution



www.miraclesealants.com

### Deep Cleaning Action For Most Surfaces Including:

- Sanded Grout
- Clay Pavers
- Glazed Tile
- Brick
- Non-sanded Grout
- Masonry
- Limestone
- Marble
- Stucco
- Any Acid-Sensitive Natural Stone
- Quarry Tile
- Ceramic Tile
- Terrazzo
- Concrete

### Uses

- Kitchen Counters
- Lobby Floors
- Interior Walls
- Kitchen Floors
- Bathroom Floors
- Exterior Walls
- Bathroom Showers
- Porches & Patios
- Monuments

### Special Features

- Easy-to-Use
- No Acid
- Interior & Exterior Use
- Safe for All Polished Stone

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Liquid Poultrice** is a unique two part formulation, (**Bottle A & Bottle B**), designed for deep cleaning all porous stone surfaces and grout. The percolating cleaning action of **Liquid Poultrice** penetrates deep into the pores of the surface to safely lift out mold stains, mildew stains, algae stains, fungus stains, food grease, coffee, tea and other types of foreign matter from natural stone, grout, tile, concrete, stucco and masonry surfaces.

**Liquid Poultrice** is a non-acidic cleaner that will not harm the polish on polished stone surfaces.

### Sample Testing

Due to the differences of each material, 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 masonry, wood, carpet, metal, landscaping and other non masonry surfaces.

### APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using.**

Thoroughly mix 1 part of **Liquid Poultrice (Bottle A)** with 2 parts hot water. (Cold water can be used but cleaning action will be reduced). Add 1 part **Activator (Bottle B)** to the above mixture. Once the **Activator** is added, be sure to keep the mixture vented to prevent oxygen build up. Mix in an open container. Once **Activator (Bottle B)** has been added, the solution must be used within 72 hours.

Wet the surface to be cleaned with water lightly before starting. Apply **Liquid Poultrice** with **Mira Brush** or clean mop, self-feeding floor machine or sprayer. Allow the solution to stand for a minimum of 45 minutes while agitating periodically with the appropriate scrub brush. **DO NOT** allow solution to dry on the surface. If surface starts to dry, add more **Liquid Poultrice Solution**. Extract all the dirty remains with a wet vacuum system. Rinse the surface thoroughly with hot water and allow to dry. Difficult stains may require a second application. On wall surfaces a fine mist of **Liquid Poultrice** maybe left to dry after initial cleaning is complete. **Liquid Poultrice** will continue to pull dirt to the surface for up to 72 hours after completion. Allow to dry 24 - 72 hours before sealing the surface.

### Water, Stain & Slip Protection

To protect cleaned areas 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, **Mira Matte** may be used. For porous type "Pavers", **511 Seal & Enhance** may be used as directed.

### Polish Enhancement

Periodically use **Mira Dust**, **Marble Conditioner**, **Mira Polish** or **Granite Brite** as directed.

### Heavy Duty Cleaning

To remove lime, hard water deposits, efflorescence, rust and other dirt and grime use **GCFR** or **Phosphoric Acid Cleaner** 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, **Liquid Poultrice** will cover approximately 500 - 1,000 square feet per gallon (45 - 93 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 **Liquid Poultrice (Bottle A)** and **Activator (Bottle B)** upright in their original containers, properly sealed and unmixed. Stored at 77° F (40° C), **Liquid Poultrice** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

**Liquid Poultrice** is an alkaline liquid. Store in cool area. Only use this product 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 completely eliminated. Avoid contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surfaces has thoroughly dried. **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.

# Liquid Poultice Part B

## Deep Cleaning Solution

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: Liquid Poultice (B)

#### 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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Hydrogen Peroxide	7722-84-1	1 ppm	1 ppm
VOC : 0% by weight			

#### Section 3 - Physical/Chemical Characteristics

Boiling point: 212°F Specific gravity: 1.027  
Vapor pressure (MmHg): Not tested Melting point: Not tested  
Vapor density: Not tested Evaporation rate: Not tested  
Solubility in water: 100%

Appearance and odor: Colorless, odorless liquid.

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

Flash Point: Not Available Flammable Limits: Not tested  
LEL: Not tested UEL: Not tested  
pH: 1.8 — 2.2

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

Health: 2 Fire: 0  
Reactivity: 1 Other: 0

HMIS Hazard Rating:

Health: 2 Fire: 0  
Reactivity: 1

Extinguishing media: CO<sub>2</sub>, dry foam

Special fire fighting procedures: If leaking wear full protective clothing during fire as well as a NIOSH approved respirator.

Unusual fire and explosion hazards: None known

#### Section 5 - Reactivity Data

Stability: Stable

Conditions to avoid: None

Incompatible materials to avoid: Organic materials, excessive heat, metals, reducing agents.

Hazardous decomposition or byproducts: CO, CO<sub>2</sub>, hydrogen.

Hazardous polymerization: Will not occur.

#### Section 6 - Health Hazard Data

##### Routes of Entry:

Eyes - Possible

Inhalation - Possible

Skin - Possible

Ingestion - Possible

Health hazards - Same as signs and symptoms of exposure.

Carcinogenicity:

OSHA: None NTP: None

IARC Monographs: None

##### Signs and Symptoms of Over Exposure:

Eyes: Burning Sensation

Skin: Severe irritation

Ingestion: Nausea, severe burning Irritation

Inhalation: Irritation

Medical conditions generally aggravated by exposure - None known.

#### Emergency and First Aid Procedures:

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

**Skin:** Wash off with soap and water. If irritation persists, call physician.

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

**Inhalation:** Remove to fresh air. If unconscious, call 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 a 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 less than or equal to 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#: Not Available

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.

# Residue Remover

## Ready to Use Solvent-Base Impregnator/Haze Remover For

- Granite
- Ceramic Tile
- Concrete
- Marble
- Porcelain Tile
- Natural Stone
- Grout

## Special Features

- Easy-to-Use
- Removes Residue Left Behind with Impregnators and Penetrating Sealers
- Safe for All Stone & Tile Surfaces
- Non Acid

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN. Miracle Impregnator Residue Remover** Is a unique, solvent-base formula designed to remove the silicone/fluoropolymer residue common with impregnators and penetrating sealers. **Residue Remover** is safe for use on granite, marble, limestone, natural stone, ceramic tile, porcelain tile, grout and concrete surfaces.

## Sample Testing

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

## Protect Neighboring Surfaces

Always protect neighboring surfaces including wood, carpet, metal, landscaping and other non-masonry surfaces.

## APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS completely before using this product. This product is to be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.**

Apply **Residue Remover** directly from the bottle to a terry cloth towel. Make sure and wet the towel liberally. Apply the **Residue Remover** directly making sure to wet the surface to the eye. Allow the **Residue Remover** to sit on the surface for 2 - 5 minutes and remove with a clean, dry terry cloth towel. Buff dry until all of the residue is removed. Do not allow the **Residue Remover** to air dry on the surface. If the surface dries or becomes tacky, more **Residue Remover** must be applied and then removed before it can air dry.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** and **Liquid Poultice** as directed.

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

## MAINTENANCE

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

## Cure Time

Do not allow the **Residue Remover** to dry on the surface. Typically waiting 2 - 5 minutes is all that is necessary. If it becomes dry or tacky, wet the surface again and immediately, buff dry.

## Water, Stain & Slip Protection

To protect cleaned area from future soiling and 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**, **Mira Matte** may be used. For porous type "Pavers", **511 Seal & Enhance** may be used as directed.

## Polish Enhancement

Periodically use **Mira Dust**, **Marble Conditioner**, **MiraPolish** or **Granite Brite** as directed.

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution is left on the surface and application methods. Used as directed, **Residue Remover** will cover approximately 2,000 square feet per gallon (199 square meters per 3.785 liters).

## Storage

Store **Residue Remover** in the original container upright and properly sealed to avoid contamination and evaporation. When store in the upright position at 77° F (40° C), **Residue Remover** 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

## Transportation

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

## Caution

**Residue Remover** contains combustible petroleum distillates. All solvents must be considered toxic and must be used in a well-ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. **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 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.

## 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.



## Residue Remover

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

29 CFR 1910.1200  
Identity No: OMB No. 1218-0072  
Name: Residue Remover

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Aliphatic Hydrocarbon	8052-41-3	500 ppm	100 ppm
VOC Content: 770 g/L			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 300 - 365°F @ 760 mm Hg  
Vapor pressure (68°F): 600 mm Hg Vapor density (Air=1): 4.700  
Liquid density: 6.440 lbs/gal @ 68°F Percent volatile: 100%  
State: Liquid  
Liquid Density: 6.400 lbs/gal at 68°F 0.268 Kg/l at 20.00° C  
Physical form: Homogeneous solution  
Appearance: Clear  
Color and odor: Colorless/hydrocarbon,  
Specific gravity (68° F): .768 pH: Not Available  
Evaporation rate (Butyl Acetate): .20

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

Flash point: (TCC) 105°F  
LEL: 1.0 UEL: 6.0

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

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

HMIS Hazard Rating:

Health: Not Available Fire: Not Available  
Reactivity: Not Available

Extinguishing media: Regular foam, carbon dioxide, dry chemical.

Hazardous products of combustion: May form carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and explosion hazards: If product is heated above its flash point, it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even in residue) can ignite explosively.

Fire fighting procedures: Wear a self-contained breathing apparatus with full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of the MSDS.

Auto ignition temperature: 500°F

**Section 5 - Reactivity Data**

Stability: Stable  
Incompatible materials to avoid: Strong oxidizing agents.  
Hazardous polymerization: Will not occur  
Hazardous decomposition or by-products: May form carbon dioxide and carbon monoxide, various hydrocarbons.

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

Inhalation - Possible Skin - Possible  
Eyes - Possible Ingestion - Possible  
Health Hazards - Same as signs & symptoms of over exposure

Carcinogenicity:

OSHA: None NTP: None  
IARC Monographs: None

**Signs & Symptoms of Over Exposure:**

Eyes: May cause mild eye irritation. Symptoms include stinging, tearing and redness.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of the skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Swallowing: Aspiration hazard. Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation or other lung injury.

Inhalation: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (see section 8).

Symptoms of exposure: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: Stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Other health information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

**Emergency and First Aid Procedures:**

**Eyes:** If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist, contact physician.

**Skin:** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, contact physician. Launder clothing before reuse.

**Inhalation:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Ingestion:** If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration, if breathing is difficult, administer oxygen.

**Section 7 - Precautions for Safe Handling and Use**

Steps to be taken in case material is released or spilled: observe precautions from other sections. Collect any spills with absorbent material such as vermiculite, place collected material in a polyethylene lined metal container and seal. Clean up residue with water.

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

Storage and handling information: keep from freezing. Store in a cool dark place. Keep container dry and tightly closed when not in use.

KEEP OUT OF REACH OF CHILDREN.

**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.

Engineering controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

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#: None 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.

# Epoxy Grout Film Remover

## To Remove Epoxy Grout Residue From

- Ceramic Tile
- Concrete
- Porcelain Tile
- Quarry Tile
- Natural Stone

## Special Features

- Low Odor
- No Methylene Chloride
- Rinses With Water
- Cost Effective
- Fast Acting

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Epoxy Grout Film Remover is a unique product designed for the removal of epoxy grout film from tile, concrete and stone surfaces. It will eliminate most residue left behind after an epoxy grout has been used. In addition, Epoxy Grout Film Remover will remove a variety of epoxies, acrylic, gym finish, shellac, varnish and lacquer. Epoxy Grout Film Remover contains NO METHYLENE CHLORIDE. The residue and the film it has removed is miscible with water.

## Sample Testing

Due to the differences of each material, 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 surfaces.

## APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. This product is to be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.**

**Small Areas or Spots:** Apply Epoxy Grout Film Remover to the surface with a paint brush. Try to avoid getting on the grout joint. Allow to remain on the surface for 20 - 30 minutes and check repeatedly for softening of the cured epoxy film. You may need to allow for a longer cure time depending on how long film was down for and amount of film left on the surface. Allow to remain on the surface until the epoxy film is easily loosened. Remove Epoxy Grout Film Remover and residual epoxy film using a stiff-bristled brush (not steel wire) or coarse nylon scrubbing pad. Multiple applications may be necessary for more difficult situations. After removing residue, scrub the surface with a nylon pad and a solution of Mira Clean #1. Remove cleaning solution with a wet vacuum. Rinse with clean water after use and allow to dry.

**Large Areas - Floors:** Pour directly onto the surface and spread liberally with a brush or lamb's wool applicator. Work small areas approximately 3 feet wide. Avoid stepping into the solution. Allow to sit on the surface 15-30 minutes and agitate with a stiff brush. Begin checking for softening of the epoxy film every 5 minutes. Once the epoxy film has softened, remove it and the Epoxy Grout Film Remover with a wet vacuum, clean towels or mops. Multiple applications may be necessary. After removing residue, scrub the entire surface with a nylon brush or pad and a solution of H<sub>2</sub>O Strip. Remove the cleaning solution with a wet vacuum. Rinse with clean water where necessary and allow to dry.

**Special Note:** Use Epoxy Grout Film Remover on the surfaces of the individual tiles, not the grout joint. In some extreme cases it may be necessary to treat the entire surface area. Regrouting may be necessary to repair softened or discolored grout joints. Used product must not be disposed of as ordinary waste. **Dispose of in accordance with state and local agencies.**

**Heavy Duty Cleaning:** Use Phosphoric Acid Cleaner, GCFR and Liquid Poulitice as directed.

**Light Cleaning:** Use Mira Clean #1, Porcelain & Ceramic Tile Cleaner, Grout Cleaner, Mira Soap and Counter Kleen as directed.

Remove the cleaning solution with a wet vacuum. Rinse with clean water where necessary and allow to dry.

## Water, Stain & Slip Protection

To protect cleaned area from future soiling and 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.

## Polish Enhancement

Periodically use Mira Dust, Marble Conditioner, Mira Brite, Mira Polish or Granite Brite as directed.

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Epoxy Grout Film Remover will cover from 50 - 150 square feet per gallon.

## 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 Epoxy Grout Film Remover in the original container, properly sealed. Stored at 77° F (40° C), Epoxy Grout Film Remover 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.  
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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## Caution

Use in a well ventilated area. Chemical resistant gloves should be worn at all times. Skin and eye irritant. Avoid prolonged contact with skin. Avoid prolonged contact exposure to vapors. Do not take internally. Keep small children and pets out of area until product or surface has thoroughly dried. **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.

# Epoxy Grout Film Remover

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: 06523 Name: Epoxy Grout Film Remover

### 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: 12-2009

### Section 2 - Hazardous Ingredient/Identity Information

Hazardous components	CAS#	OSHA PEL	ACGIH TLV
N-Methylpyrrolidone	872-50-4	None	None
2-Butoxy Ethanol*	111-76-2	25 ppm	25 ppm

Note - \*A Sara 313 Chemical  
VOC : 100% by weight (non-regulated)

### Section 3 - Physical/Chemical Characteristics

Boiling point: >212° F	Specific gravity: .955
Vapor pressure: Not tested	Melting point: Not tested
Vapor density: Not tested	Evaporation rate: Not tested
Solubility in water: Miscible	
Appearance and odor: Light gold, solvent odor.	

### Section 4 - Fire And Explosion Hazard Data

Flash point: 190° F	Flammable limits: Not Available
LEL: Not Available	UEL: Not Available
pH: 9.5	
NFPA hazard rating (0 = Least, 4 = Extreme)	
Health: 2	Fire: 1
Reactivity: 0	Other: 0
HMIS Hazard Rating:	
Health: 2	Fire: 1
Reactivity: 0	
Extinguishing media: CO <sub>2</sub> , Dry Foam	
Special fire fighting procedures: None	
Unusual fire and explosion hazards: None	

### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: Strong oxidizers  
Hazardous decomposition or byproducts: CO, CO<sub>2</sub>  
Hazardous polymerization: Will not occur.

### Section 6 - Health Hazard Data

#### Routes of Entry:

Eyes - Possible  
Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health hazards - Same as signs and symptoms of exposure.

#### Carcinogenicity:

OSHA: None NTP: None  
IARC Monographs: None

#### Signs and Symptoms of Over Exposure:

Eyes: Burning sensation  
Skin: Irritation  
Ingestion: Irritation, nausea  
Inhalation: Dizziness, headaches, irritation

Medical conditions generally 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 physician or Poison Control Center.  
**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 a 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 less than or equal to 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 glasses or 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#: Combustible 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:** SARA 313 chemical identified - 2 (Butoxethoxy) Ethanol.

**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.

# Mira Strip

## Fast Acting Floor Coating/Wax Stripper For

Polished, Honed & Textured Surfaces Including:

- Marble
- Granite
- Limestone
- Terrazzo
- Concrete
- Ceramic Tile
- Quarry Tile
- Grout

### Uses

- Interior & Exterior

### Special Features

- Fast Acting
- Easy-to-Use
- Cost Effective

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Mira Strip is a fast acting, stripper designed to remove traditional solvent base coatings and waxes for preparation of one of the **Miracle Penetrating Sealers and/or Color Enhancement products.** Mira Strip will effectively remove **Mira Matte** color enhancer when necessary and may be effective for removing some food greases, tar and other hard to remove stains from tile, grout and stone surfaces. **Not for use on resin base products including polyester and epoxy agglomerates, terrazzo and grouts.**

**Special Note:** Mira Strip has a strong odor and should be used in a well ventilated area.

### Sample Testing

Due to the differences of each material, 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 non masonry surfaces.

## APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using. This product should be used directly from container and is not under any circumstances to be thinned or diluted with anything before use.**

Apply **Mira Strip** full strength to the surface with a clean mop. Be sure to completely saturate the surface being cleaned. Allow solution to sit on the surface for 10 - 20 minutes agitating periodically with the appropriate stripping pad or brush. Do not allow **Mira Strip** to dry on the surface. Agitate area one last time while adding more product and removing remains. Remove all **Mira Strip** from the surface with a wet vacuum or clean, dry towels. More than one application may be necessary to remove accumulated buildup. Thoroughly rinse completed area with clean water and allow to dry. Pour clean water on area being cleaned and agitate one last time before extracting all the dirty remains with a wet vacuum system. Note: Always allow used towels to completely dry before discarding. Once the coating and/or wax has been removed an additional deep cleaning may be necessary. For this procedure use the appropriate **Miracle Cleaner** as directed for each surface. (See the product chart).

**Heavy Duty Cleaning:** To remove lime, hard water deposits, efflorescence, grout haze, rust and other heavy dirt and grime use **Phosphoric Acid Cleaner** or **GCFR (Grout & Concrete Film Remover)** as directed. **Do not use GCFR, Phosphoric Acid Cleaner or Sulfamic Acid Crystals on polished marble, limestone or any acid sensitive stone or tile.** If an additional deep cleaning is necessary use **Liquid Powlitce** cleaner as directed. All strippers and/or cleaners should be thoroughly rinsed with clean water and the materials allowed to dry.

For a non-acid deep clean, use **Liquid Powlitce** as directed.

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

### Residue Removal

To remove accumulated **511 Sealer** residue, use **Residue Remover** as directed.

### Color & Gloss Enhancement

For color and gloss enhancement, refer to the product recommendation chart.

### Water, Stain & Slip Protection

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

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Mira Strip** will cover 200 - 300 square feet per gallon (18 - 27 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 **Mira Strip** in the original container, properly sealed and unmixed. Stored at 77° F (40° C), Mira Strip 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## 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.

## Caution

**Mira Strip** contains petroleum distillate. All solvents must be considered toxic and must be used in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Open windows and use fans to circulate air. Continue to ventilate until vapors are eliminated. Exposure to high vapor concentration must be avoided. Inhaling the vapors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. **Refer to the MSDS for additional information.**

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

29 CFR 1910.1200  
Identity No:

OMB No. 1218-0072  
Name: Mira Strip

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Petroleum Naphtha	64741-65-7	100ppm	100 ppm
VOC: 835 g/L			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: >212° F  
Vapor pressure: Not Tested  
Vapor density: Not Tested  
Solubility in water: Miscible

Specific gravity: 0.87  
Melting point: Not tested  
Evaporation rate: Not tested

Appearance and odor: Amber, solvent odor.

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

Flash point: 120° F  
LEL: Not tested  
pH: Not tested

Flammable limits: Not tested  
UEL: Not tested

Extinguishing media: None  
Special fire fighting procedures: None  
NFPA hazard rating (0 = Least, 4 = Extreme)

Health: 2  
Reactivity: 0

Fire: 2  
Other: 0

HMIS Hazard Rating:  
Health: 2  
Reactivity: 0

Fire: 2

Unusual fire & explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: Strong oxidizers, heat and flames  
Hazardous polymerization: Will not occur.  
Hazardous decomposition products: CO<sub>2</sub>, CO

**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  
IARC Monographs: None

NTP: None

**Signs and Symptoms of Overexposure:**

Eyes: Burning sensation  
Skin: Irritation  
Ingestion: Toxic  
Inhalation: Dizziness, Irritation

Medical conditions aggravated: None known

**Emergency and First Aid Procedures:**

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

**Skin:** Wash 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 less than or equal to 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  
Mechanical - if available

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#: Not Available

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.

# H2O Strip

### Coating & Wax Stripper for Most Tile & Stone Surfaces Including:

- |                         |                          |               |
|-------------------------|--------------------------|---------------|
| ■ Ceramic Tile          | ■ Quarry Tile            | ■ Saltillo    |
| ■ Unglazed Ceramic Tile | ■ Porcelain Tile         | ■ Terra Cotta |
| ■ Granite               | ■ Non Polished Marble    | ■ Flagstone   |
| ■ Slate                 | ■ Non Polished Limestone | ■ Cantera     |
| ■ Cement Grout & Mortar | ■ Masonry                | ■ Brick       |

### Special Features

- |                       |                      |               |
|-----------------------|----------------------|---------------|
| ■ Fast Acting         | ■ Water Base Formula | ■ Easy-to-Use |
| ■ Interior & Exterior | ■ Less Expensive     | ■ Low Odor    |

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** H2O Strip is a fast acting, high potency stripper designed to remove wax, acrylic, grease and stains from tile, grout, marble, granite, concrete and masonry surfaces. H2O Strip removes **Miracle Sealants' Mira Shine** when it becomes necessary to strip these products. H2O Strip has a high pH and may adversely affect the polished finish on marble, limestone, travertine and other calcareous stone surfaces.

### Sample Testing

Due to the differences of each material, 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 masonry and non masonry surfaces.

### APPLICATION INSTRUCTIONS

Read the entire label and PDS/MSDS before starting. Use from approved container.

**Coating Removal:** Apply H2O Strip directly out of the bottle using a mop or stripper applicator. Allow H2O Strip to stand for 5 - 15 minutes, agitating the surface periodically with a stripping pad or brush. Do not allow to dry on the surface. Multiple applications maybe necessary with difficult areas. Rinse with clean water and remove dirty remains with towels or a wet vacuum system.

**Heavy Wax Build up Removal:** Use approximately 1 part concentrate H2O Strip to 12 parts clean water. Light wax build up & cleaning mix 1 part H2O Strip to 16 - 20 parts water

### Special Notes

Do not use on polished marble, limestone or other calcium-base surfaces.

Be careful to choose the appropriate stripping pad or brush.

Do not allow to dry on the surface.

### Water, Stain & Slip Protection

To protect cleaned areas 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.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Poultice** as directed.

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

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **H2O Strip** will cover approximately 200 - 300 square feet per gallon (18 - 27 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 **H2O Strip** in the original container, properly sealed to avoid contamination. Stored at 77° F (40° C), **H2O Strip** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

**H2O Strip** contains sodium hydroxide and 2-Butoxy ethanol. Avoid contact with eyes, mucous membranes and skin. Do not inhale or swallow. Use in a well ventilated area. Good ventilation means fresh air is flowing in such a way as to feel a slight breeze. Continue to ventilate until odors are completely 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 the area until products or surfaces has thoroughly dried. **Refer to 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.

# H2O Strip

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: H2o Strip

**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
2 (Butoxy) Ethanol	112-34-5	25 ppm	25 ppm
Sodium Hydroxide	131-073-2	2mg/m3	2 mg/m3
2-Amino-Ethanol	141-43-5	3 ppm	3 ppm

VOC : 8% by weight (non-regulated)

**Section 3 - Physical/Chemical Characteristics**

Boiling point: > 212° F Specific gravity: 1.07  
Vapor pressure: Not tested Melting point: Not tested  
Vapor density: Not tested Evaporation rate: Not tested  
Solubility in water: 100%

Appearance and odor: Yellow, solvent odor

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

Flash point: Not Available Flammable limits: Not tested  
LEL: Not tested UEL: Not tested  
pH: 12-13

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

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

HMIS Hazard Rating:

Health: 2 Fire: 0  
Reactivity: 0

Extinguishing media: CO<sub>2</sub>, dry foam  
Special fire fighting procedures: None  
Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: Strong oxidizers, ammonia.  
Hazardous decomposition or byproducts: CO, CO<sub>2</sub>  
Hazardous polymerization: Will not occur.

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

Eyes - Possible  
Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health Hazards - Same as signs and symptoms of exposure.

Carcinogenicity:

OSHA: None NTP: None

IARC Monographs: None

**Signs and Symptoms of Over Exposure**

Eyes: Burning sensation  
Skin: Irritation  
Ingestion: Burning irritation  
Inhalation: Dizziness, headaches, irritation

Medical conditions generally aggravated by exposure: None known.

**Emergency and First Aid Procedures:**

**Eyes:** Flush with water for 15 minutes. If irritation persists, call physician  
**Skin:** Wash off with soap and water. If irritation persists, call physician.  
**Ingestion:** Do not induce vomiting. Call 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 material. Scoop up and place in a proper 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 glasses.

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#: Not Available

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.

Contains (Butoxy) Ethanol

**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.

# Counter Kleen / Counter Kleen Wipes



www.miraclesealants.com

### Deep Cleaning Action for Polished Counters of:

- Marble
- Granite
- Travertine
- Limestone
- Ceramic Tile

### Special Features

- Removes Dirt and Grime
- Neutral pH
- No Rinse
- No Soap Residue
- Does not Hurt Polished Surfaces
- For Counter Tops
- No Scrubbing
- Easy-to-Use
- No Acid
- No Abrasives
- Ready to Use

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Counter Kleen is a unique formula designed to remove dirt and grime from polished natural stone including marble, granite, limestone, travertine and ceramic tile counters, vanities and furniture. Counter Kleen is easy to use, simply spray it onto the surface and wipe away the dirt and grime with no rinsing, no streaking and no soap residue. Counter Kleen will not harm polished natural stone or other acid sensitive surfaces. Great for use in the kitchen. **For counter surfaces only.**

### 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.

Remove all loose dirt and debris from the counter. The counter must be free from any previously applied coatings or waxes.

Ready to use. Spray onto the counter and agitate with a towel or sponge as needed. Wipe the counter thoroughly dry using a dry, clean towel. No rinsing is necessary.

#### Water, Stain & Slip Protection

To protect clean surfaces from future soiling and staining we recommend applying the appropriate **Miracle Penetrating Sealer/Impregnator.**

#### Polish Enhancement

Use **Stone Polish** as directed.

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on the surface and application method. Used as directed, **Counter Kleen** will cover approximately 500 square feet per 32 ounce spray bottle.

### 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 **Counter Kleen** in the original container, properly sealed to avoid contamination and evaporation. Keep in the upright position. Stored at 77° F (40° C), **Counter Kleen** 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

### Damage 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

Use in a well ventilated area. Open windows and circulate air. Chemical resistant gloves should be worn. Keep all children and pets out of the area until the product or the surface has thoroughly dried. **Refer to 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 product proven 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.



## Counter Kleen / Counter Kleen Wipes

**Osha's Hazard Communication Standard****U.S. Department Of Labor**29 CFR 1910.1200  
Identity No:OMB No. 1218-0072  
Name: Counter Kleen**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
None	None	-	-

VOC : 0% by weight

**Section 3 - Physical/Chemical Characteristics**

Boiling point: > 212°F  
 Vapor pressure (68°F): Not tested  
 Solubility in water: 100%  
 pH: 6.5 - 8.0  
 Evaporation rate: Not tested  
 Appearance and odor: Purple, floral odor

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

Flash point: None  
 LEL: None  
 Flammable limits: Not tested  
 UEL: None  
 DOT#: None

NFPA Hazard rating - H F R S (0-Least, 4-Extreme): 0 0 0 0

HMIS Hazard rating - H F R (0-Least, 4-Extreme): 0 0 0

Extinguishing media: None

Special fire fighting procedures: None

Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable

Conditions to avoid: None

Incompatible materials to avoid: Strong oxidizers

Hazardous polymerization: None

Hazardous decomposition or by-products: CO<sub>2</sub>, CO**Section 6 - Health Hazard Data****Routes of entry:**

Inhalation - Possible

Skin - Possible

Eyes - Possible

Ingestion - Possible

Health Hazards - Same as signs &amp; symptoms of over exposure

Carcinogenicity: NTP - No; Monograph IARC - No; OSHA regulated - No

Note: All chemicals incorporated into this product are found on the TSCA inventory list.

**Signs & Symptoms of Over Exposure:**

Eyes: Burning sensation.

Skin: Not expected to be a problem.

Ingestion: Nausea.

Inhalation: Not expected to be a problem.

**Emergency and First Aid Procedures:****Eyes:** Flush immediately with clean, free-flowing water for 15 minutes. Consult a physician if irritation persists.**Skin:** Wash thoroughly with soap and water.**Inhalation:** Not expected to be a problem.**Ingestion:** Give a quart or more of water to drink and induce vomiting. Provide medical attention. Never administer liquid by mouth to an unconscious person.**Section 7 - Precautions For Safe Handling And Use**

Steps to be taken in case material is released or spilled: observe precautions from other sections. Collect any spills with absorbent material such as vermiculite, place collected material in a polyethylene lined metal container and seal. Clean up residue with water.

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

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

KEEP OUT OF REACH OF CHILDREN.

**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.

Local exhaust: Recommended.

Mechanical exhaust: General ventilation system should be provided.

Special: None 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: Non-Hazardous Liquid, N.O.I. Please refer to the Bill of Lading receiving/documents for up-to-date information.

DOT Hazard Class: Not Available

OSHA Hazard Class: Not Available

UN/NA Number: Not Available

EPA Hazard Waste: Not Available

CPSC Classification: Not Available

Transportation Class: 55

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.

# 511 Kleen & Reseal

Cleaner and Impregnator In One Easy-to-Use Product.

**Cleaning & Sealing Action for Polished Counters of:**

- Marble
- Limestone
- Grout
- Granite
- Ceramic Tile
- Travertine
- Natural Stone

**Special Features**

- Reseals while Cleaning
- No Rinse
- Easy-to-Use
- Ready-to-Use
- Pleasant Fragrance
- Removes Dirt and Grime
- No Soap Residue
- No Acid
- Does not Hurt Polished Surfaces
- Neutral pH
- No Scrubbing
- No Abrasives

**PRODUCT DESCRIPTION**

**KEEP OUT OF REACH OF CHILDREN.** 511 Kleen & Reseal is a unique ready to use formula designed to remove dirt and grime from polished natural stone including marble, granite, limestone, travertine and ceramic tile counters, vanities and furniture while providing a rejuvenating layer of protection with each use. 511 Kleen & Reseal is easy to use daily, simply spray it onto the surface and wipe away the dirt and grime using a clean soft towel or micro-fiber cloth. No rinsing, no streaking and no soap residue. For more difficult cleaning allow 511 Kleen & Reseal to sit on the surface for 10 minutes while scrubbing with a soft brush or sponge. 511 Kleen & Reseal will not harm polished natural stone or other acid sensitive surfaces. Great for use in the kitchen, dining areas, bars and other counter surfaces. 511 Kleen & Reseal has a pleasant fragrance adding to the ease of use.

**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.**

Remove all loose dirt and debris from the counter. The counter must be free from any previously applied coatings or waxes. Make sure the counter has been treated with 511 Impregnator, 511 Porous Plus, 511 H2O+ or 511 Seal & Enhance as directed before using 511 Kleen & Reseal. 511 Kleen & Reseal is ready to use. Spray onto the counter and agitate with a towel or sponge as needed. Wipe the counter thoroughly dry using a dry, clean towel. No rinsing is necessary.

**Polish Enhancement**

Use **Miracle Sealants' Stone Polish** as directed. This will enhance the polish and protection when used in conjunction with 511 Kleen & Reseal and appropriate 511 Sealing Product.

**Coverage**

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on the surface and application method. Used as directed, 511 Kleen & Reseal will cover approximately 500 square feet per 32 ounce spray bottle.

**MAINTENANCE**

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

**Storage**

Store 511 Kleen & Reseal in the original container, properly sealed to avoid contamination and evaporation. Keep in the upright position. Stored at 77degree F (400 C), 511 Kleen & Reseal 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

**Damage 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**

Use in a well ventilated area. Open windows and circulate air. Chemical resistant gloves should be worn. Keep all children and pets out of the area until the product or the surface has thoroughly dried. **Refer to 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 product proven 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.

# 511 Kleen & Reseal

Cleaner and Impregnator In One Easy-to-Use Product.

**Osha's Hazard Communication Standard****U.S. Department Of Labor**29 CFR 1910.1200  
Identity No:OMB No. 1218-0072  
Name: 511 Kleen & Reseal**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: 12-2009

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

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
None	None	-	-

**Section 3 - Physical/Chemical Characteristics**

Boiling point: > 212°F  
 Vapor pressure (68°F): Not tested  
 Solubility in water: 100%  
 pH: 6.5 - 8.0  
 Evaporation rate: Not tested  
 Appearance and odor: Purple, floral odor

Vapor density (Air=1): Not tested  
 Specific gravity (H<sub>2</sub>O = 1): 1.01  
 Melting Point: Not tested

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

Flash point: None  
 LEL: None  
 Flammable limits: Not tested  
 UEL: None  
 DOT#: None

NFPA Hazard rating - H F R S (0-Least, 4-Extreme): 1 0 0 0

HMIS Hazard rating - H F R (0-Least, 4-Extreme): 1 0 0

Extinguishing media: None

Special fire fighting procedures: None

Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable

Conditions to avoid: None

Incompatible materials to avoid: Strong oxidizers

Hazardous polymerization: None

Hazardous decomposition or by-products: CO<sub>2</sub>, CO**Section 6 - Health Hazard Data****Routes of entry:**

Inhalation - Possible

Skin - Possible

Eyes - Possible

Ingestion - Possible

Health Hazards - Same as signs &amp; symptoms of over exposure

Carcinogenicity: NTP - No; Monograph IARC - No; OSHA regulated - No

Note: All chemicals incorporated into this product are found on the TSCA inventory list.

**Signs & Symptoms of Over Exposure:**

Eyes: Burning sensation.

Skin: Not expected to be a problem.

Ingestion: Nausea.

Inhalation: Not expected to be a problem.

**Emergency and First Aid Procedures:**

**Eyes:** Flush immediately with clean, free-flowing water for 15 minutes. Consult a physician if irritation persists.

**Skin:** Wash thoroughly with soap and water.

**Inhalation:** Not expected to be a problem.

**Ingestion:** Give a quart or more of water to drink and induce vomiting. Provide medical attention. Never administer liquid by mouth to an unconscious person.

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

Steps to be taken in case material is released or spilled: observe precautions from other sections. Collect any spills with absorbent material such as vermiculite, place collected material in a polyethylene lined metal container and seal. Clean up residue with water.

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

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

KEEP OUT OF REACH OF CHILDREN.

**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.

Local exhaust: Recommended.

Mechanical exhaust: General ventilation system should be provided.

Special: None 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: Non-Hazardous Liquid, N.O.I. Please refer to the Bill of Lading receiving/documents for up-to-date information.

DOT Hazard Class: Not Available

OSHA Hazard Class: Not Available

UN/NA Number: Not Available

EPA Hazard Waste: Not Available

CPSC Classification: Not Available

Transportation Class: 55

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.

# Sulfamic Acid Crystals

## Cleaning Action for Most Tile & Stone Surfaces Including:

- Acid-Resistant Glazed Tile
- Unglazed Ceramic Tile
- Flamed & Honed Granite
- Cleft & Honed Slate
- Cement Grout & Mortar
- Quarry Tile
- Porcelain Tile
- Tumbled & Honed Marble
- Tumbled & Honed Limestone
- Masonry

## Special Features

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

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Sulfamic Acid Crystals are a fast acting, mild acid cleaner for textured, non polished, natural and manufactured surfaces. Sulfamic Acid Crystals removes sanded grout haze and mortar residue, joint cement, lime & hard water deposits, efflorescence, rust and other heavy dirt and grime. Sulfamic Acid Crystals are suitable for interior and exterior use. Sulfamic Acid Crystals will help even out uneven colored grout installations. Do not use on acid sensitive surfaces.

## Sample Testing

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

## Protect Neighboring Surfaces

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

## APPLICATION INSTRUCTIONS

**Read the entire label and PDS before using.**

Allow newly grouted and concrete surfaces to cure a minimum of 7 days prior to using. For light cleaning mix a solution of Sulfamic Acid Crystals by adding 1/2-cup to 1 gallon of clean water. For heavy duty cleaning mix 3/4-cup to 1 gallon of clean water. Mix until the crystals are completely dissolved. In colder weather or cold water, not all of the crystals may dissolve. Use of cold water will slow the crystals dissolving. Pre-wet the surface with clean water. Apply the solution to the surface and allow to dwell for 3 - 5 minutes while agitating the surface with a brush. **Do not allow the solution to dry on the surface.** Work small areas. Extract all dirty remains with a wet vacuum system. Multiple applications may be necessary. After extracting Sulfamic Acid Crystal solution, rinse thoroughly with clean water. Once the cleaning is complete, rinse with appropriate Mira Clean #1 mixed at 10 parts 511 H<sub>2</sub>O to 1 part Mira Clean #1.

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

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

## Special Notes:

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

Not recommended for use on very porous tile, stone or masonry.

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

Avoid contact with metals.

Allow new grout, concrete, cement or masonry to cure per manufacturers specification before using Sulfamic Acid Crystals.

## Water, Stain & Slip Protection

To protect cleaned areas 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.

## Polish Enhancement

Periodically use Mira Dust, Marble Conditioner, Mira Brite, Mira Polish or Granite Brite as directed.

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, Sulfamic Acid Crystals will cover approximately 350 - 600 square feet per pound (31 - 55 square meters per .02 kilograms)

## 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 Sulfamic Acid Crystals in the original container, properly sealed to avoid contamination or evaporation. Stored at 77° F (40° C), Sulfamic Acid Crystals 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 a do-it yourself specialist.

## Caution

Sulfamic Acid Crystals contain acid crystals. Keep away from eyes and skin. Do not inhale or swallow. Chemical resistant gloves and respirators should be worn at all times. Use in a well-ventilated area. Good ventilation means fresh air is flowing in such a way to feel a slight breeze. Continue to ventilate until odors are completely eliminated. Inhaling odors can be harmful. Keep away from heat and flames. Avoid prolonged contact with skin. Keep small children and pets out of the area until products or surfaces have thoroughly dried. **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, users shall determine the suitability of the product for their intended use. Users assume all risks and liability whatsoever in connection therein.** Neither seller nor manufacturer shall be liable for any injury or inability to use this product.

# Sulfamic Acid Crystals



www.miraclesealants.com

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

Identity No: \_\_\_\_\_ Name: Sulfamic Acid Crystals

**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: 12-2009

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

Hazardous Components	CAS#	OSHA/PEL	ACGIH TLV
Sulfamic Acid	5329-14-6	Not Applicable	Not Applicable

"FOR COMMERCIAL USE ONLY; NOT TO BE USED AS A PESTICIDE"

Component Exposure Limits:  
The Exposure limits are given for Particulates Not Otherwise Classified.

OSHA: 15mg/m<sup>3</sup> TWA (Total Dust)  
5mg/m<sup>3</sup> TWA (Respirable fraction)  
4mg/m<sup>3</sup> TWA (Inhalable fraction)  
1,5mg/m<sup>3</sup> TWA (Respirable fraction)

VOC : 0% by weight before dilution

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 408° F  
pH: 1.18 (1% solution)  
Vapor pressure (mmHg): Not Applicable  
Vapor density (Air=1): Not Applicable  
Evaporation rate: Not Applicable  
Volatility/VOL (%): Not Applicable  
Solubility in water: 14.7% at 0° C  
Appearance and odor: White crystalline solid/Odorless

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

Flash point: Not Available at this time  
LEL: 9.3%  
Flammable limits: Not Available  
UEL: 9.3%

NFPA hazard rating (0 = Least, 4 = Extreme)  
Health: 3  
Reactivity: 0  
HMIS Hazard Rating:  
Health: 3\*  
Reactivity: 0  
Chronic Hazard\*

Extinguishing media: Dry chemical, foam, CO<sub>2</sub>, water fog  
Special fire fighting procedures: None  
Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Hazardous Decomposition:  
Nitrogen oxides, carbon oxides, sulfur oxides and ammonia gas. Concentrated solutions, when heated, will release sulfur dioxide, and sulfur trioxide. Aqueous solutions of Sulphamic Acid slowly hydrolyze to form ammonium sulfate and ammonium bisulfate.

**Section 6 - Health Hazard Data**

**Routes of Entry:**  
Inhalation - May cause irritation of the mucous membrane, throat and nose. May cause chest discomfort and coughing.  
Ingestion - Irritant to mucous membranes and digestive tract.  
Skin - Irritant to skin and mucous membranes.  
Eyes - Severe irritation to eyes. May cause burns

**Health Hazards:**  
Chronic: Unnecessary exposure to any chemical should be avoided.  
Threshold limit value: Not Available

Carcinogenicity:  
OSHA: No information Available  
IARC Monographs: No information Available  
NTP: No information Available

**Emergency Overview:**

Sulfamic Acid is a white, crystalline, odorless solid. Harmful or fatal if swallowed. Corrosive to skin and respiratory tract. Can cause permanent damage to eyes. Fire may produce irritating, corrosive and/or toxic vapors. Firefighters should use full protective equipment and clothing.

**Hazard Statements**

CORROSIVE. CAUSES SKIN, EYE AND RESPIRATORY TRACT BURNS. HARMFUL IF SWALLOWED OR INHALED. Can cause irritation of eyes and skin. May cause respiratory tract irritation, and in extreme cases, ulceration and perforation of the respiratory tract. Avoid contact with eyes and skin. Avoid breathing dusts. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Keep from contact with clothing and other combustible materials.

Potential Health Effects: Eyes  
Exposure to particulates or solution of this product may cause redness, pain and blurred vision. Prolonged contact may cause corneal injury.

Potential Health Effects: Skin  
This product can cause irritation of the skin with pain, itching and redness. Depending on the duration of skin contact, skin overexposure may cause chemical burns resulting in blistering of skin and possible scarring. Repeated skin overexposure can result in dermatitis.

Potential Health Effects: Ingestion  
Harmful if swallowed. May cause gastrointestinal irritation with symptoms such

as nausea, vomiting, and diarrhea.  
Potential Health Effects: Inhalation  
May irritate the nose, throat and respiratory tract. Symptoms can include sore throat, coughing and shortness of breath. In severe cases, ulceration and perforation of the nasal septum and upper respiratory tract can occur. In severe cases, pulmonary edema may occur that could potentially lead to death.

HMIS Ratings: Health Hazard: 3\* Fire Hazard: 0 Physical Hazard: 1  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3=Serious 4 = Severe  
\* = Chronic hazard

**Section 4 - First Aid Measures**

**First Aid: Eyes**  
In case of contact with eyes, rinse immediately with plenty of water for at least 20 minutes. Seek immediate medical attention.

**First Aid: Skin**  
Remove all contaminated clothing. For skin contact, wash thoroughly with soap and water for at least 20 minutes. Seek immediate medical attention if irritation develops or persists.

**First Aid: Ingestion**  
DO NOT INDUCE VOMITING. If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to a victim who is unconscious or having convulsions. Contact a physician or poison control center immediately.

**First Aid: Inhalation**  
Remove source of contamination or move victim to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. Get immediate medical attention.

**First Aid: Notes to Physician**  
Provide general supportive measures and treat symptomatically.

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

Accidental Release Measures  
Containment Procedures  
Stop the flow of material, if this can be done without risk. Contain the discharged material. If sweeping of a contaminated area is necessary use a dust suppressant agent, which does not react with product (see Section 10 for incompatibility information).

Clean-Up Procedures  
For small releases, clean-up spilled liquid wearing gloves, goggles, faceshield, and suitable body protection. Sweep-up or vacuum spilled solid. Decontaminate the areas thoroughly. Neutralize spill residue with hydrated lime (calcium oxide), soda ash or sodium bicarbonate. Test area with litmus paper to ensure neutralization. Place all spill residues in a suitable container. Thoroughly wash the area after clean-up. Prevent spill reinstate from contamination of storm drains, sewers, soil or groundwater.

Evacuation Procedures  
Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Keep materials which bum away from spilled material. In case of large spills, follow all facility emergency response procedures.

Special Procedures  
Remove soiled clothing and launder before reuse. Avoid all skin contact with the spilled material. Have emergency equipment readily available.

**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: Provide local exhaust or general dilution ventilation system.  
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: Sulfamic Acid. Please refer to the Bill of Lading receiving/documents for up-to-date information.

DOT#: UN 1760  
Packaging Group: III  
STORE IN A COOL DRY PLACE.  
Hazard Class: Class 8  
UN Number: 2967

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.

# Grout Cleaner

## Grout & Mortar Maintenance Cleaning For

- Sanded Grout
- Non-sanded Grout
- Mortar Joints
- Epoxy Grout

### Uses

- Interior & Exterior
- Counters
- Floors
- Walls
- Showers

### Special Features

- Scrub Brush Tip
- Easy-to-Use

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Grout Cleaner is a non-acidic cleaner & degreaser developed for grout and mortar maintenance. Grout Cleaner with its unique **Scrub Brush Tip** will handle difficult stains, yet is gentle enough for everyday use. Grout Cleaner is very effective as an ongoing maintenance cleaner for grout and mortar previously sealed with one of **Miracle Sealants Penetrating Sealers/Impregnators**. Grout Cleaner will not harm the polish on polished surfaces.

### Sample Testing

Due to the differences of each substrate, 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 non masonry surfaces.

## APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using.

Grout Cleaner comes complete and ready for use. Remove **Scrub Brush Tip** and peel away the quality control induction seal. Replace **Scrub Brush Tip**. Pull tip out enough to allow solution to flow. Apply Grout Cleaner directly to grout or mortar agitating periodically with the **Scrub Brush Tip**. Allow cleaner to sit for 5 - 10 minutes. Wipe dirty remains with a clean sponge. Thoroughly rinse the surface with hot water and a clean sponge. DO NOT allow solution to dry on the surfaces. Difficult stains may require a second application. If the surface is still dirty after the second application, use the appropriate **Miracle Cleaner** as directed.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Powlitice** as directed.

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

### Color and Gloss Enhancement

To enhance color and gloss use **Mira Shine** or **Stone Polish** as directed.

### Polish Enhancement

Use **Marble Conditioner**, **Mira Dust**, **Granite Brite**, **MiraPolish** and **Tile Brite** as directed.

## Water, Stain & Slip Protection

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

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Grout Cleaner** will clean approximately 25 - 30 square feet per 6 ounce bottle (2 - 7 square meters per 180 milliliters).

## 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 **Grout Cleaner** in the original upright container, properly sealed and unmixed. Stored at 77° F (40° C), **Grout 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

**Grout Cleaner** is an alkaline liquid. Store in cool area. Only use this product in well ventilated areas. Good ventilation means that fresh air is flowing in such a way to feel a slight breeze. Continue to ventilate until odors are completely eliminated. Avoid contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. **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.

# Grout Cleaner

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

29 CFR 1910.1200  
Identity No:

OMB No. 1218-0072  
Name: Grout 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: 12-2009

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

Hazardous Components: None  
VOC: 4% by weight (non-regulated)  
Note: Non-carcinogenic

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 210° F  
Vapor pressure: Not tested  
Vapor density: Not tested  
Solubility in water: 100%

Specific gravity: 1.066  
Melting point: Not tested  
Evaporation rate: Not tested

Appearance and odor: Amber, citrus odor

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

Flash point: None  
LEL: Not tested  
pH: 6.5 — 7.5

Flammable limits: Not tested  
UEL: Not tested  
DOT#: None

NFPA hazard rating - H F R S (0-Least, 4-Extreme): 0 0 0 0

Extinguishing media: CO<sub>2</sub>, Dry foam  
Special fire fighting procedures: None  
Unusual fire and explosion hazards: None

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: None  
Incompatible materials to avoid: None  
Hazardous decomposition byproducts: None  
Hazardous polymerization: Will not occur

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

Inhalation - Possible  
Skin - Possible  
Ingestion - Possible

Health Hazards - Same as signs and symptoms of exposure.

OSHA Carcinogenicity - None; NTP - None; IARC Monographs - None

Note: All chemicals incorporated into this product are found on the TSCA inventory list.

**Signs and Symptoms of Over Exposure:**

Eyes: Burning irritation  
Skin: Not expected to be a problem.  
Ingestion: Not expected to be a problem.  
Inhalation: Not expected to be a problem.

Medical conditions generally aggravated by exposure: Same as signs and symptoms of over exposure

**Emergency and First Aid Procedures:**

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

**Skin:** Wash with soap and water.

**Ingestion:** Drink large amounts of water. Call physician.

**Inhalation:** Remove to fresh air.

**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 a proper waste disposal container.

Waste disposal method: Dispose of in accordance with 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  
Mechanical - If available

Special - None  
Other - None

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses.

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 Hazard Class: Not Available  
Transportation Class: 55

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.

# Poultice Plus



www.miraclesealants.com

### Ready to Use Cleaner For

- Sanded Grout
- Ceramic Tile
- Clay Pavers
- Travertine
- Other Natural Stone
- Non-sanded Grout
- Quarry Tile
- Marble
- Granite
- Mortar
- Porcelain Tile
- Limestone
- Slate

### Special Features

- Non Acid
- Non Bleach
- User Friendly
- Fast Acting

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Poultice Plus** is an easy to use, fine, non acidic absorption powder. **Poultice Plus** is effective in removing stains that are deep into the substrate. **Poultice Plus** can be effective when used with "distilled water" or many other chemical additives, see the **Miracle Sealants' Stain Removal Guide**. **Poultice Plus'** absorptive action draws out most stains from within the substrate with little or no effort or technical know how necessary.

### Sample Testing

Due to the differences of each substrate, 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 masonry, wood, carpet, metal, landscaping and other non masonry surfaces.

### APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using.**

All previous applied sealers, coatings and/or waxes must be removed using **Mira Strip** or **H2O Strip** as directed.

Mix **Poultice Plus** with "distilled water" or appropriate chemical to form a peanut butter like paste. The paste should be pliable but not runny. Apply the paste directly to the stain approximately 1/4" - 1/2" thick. Overlap the stain by approximately 1/4" - 1/2". Cover the paste with plastic wrap and tape the plastic with "non marking" tape to create an airtight seal. Allow the paste to dry completely, approximately 24 - 48 hours. Remove the plastic wrap and scrap the dried paste from the substrate with a non scratching utensil like a plastic putty knife or spatula. Rinse off all residue with clean "distilled water". If the stain is lighter but not completely removed repeat the same procedures. It may be necessary to use multiple applications to remove some stains.

Some stains can be removed more easily by mixing the appropriate chemical with **Poultice Plus**. Refer to the **Miracle Sealants Company Stain Removal Guide** for additional information.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Poultice** as directed.

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

### 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.

### Polish Enhancement

Periodically use **Mira Dust**, **Marble Conditioner**, **MiraPolish** or **Granite Brite** as directed.

### Water, Stain & Slip Protection

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

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Poultice Plus** will clean approximately 5 - 10 square feet per 1 pound container.

### 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 **Poultice Plus** in the original upright container, properly sealed and unopened. Stored at 77° F (40° C), **Poultice Plus** has no shelf life. 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it-yourself specialist.

### Caution

Store in cool area. Only use this product in well ventilated areas. Good ventilation means that fresh air is flowing in such a way to feel a slight breeze. Continue to ventilate until odors are completely eliminated. Avoid contact with skin. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. **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.



# Poultice Plus

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: Poultice Plus

### Section 1

Manufacturers Name: Miracle Sealants Company  
Address: 12318 Lower Azusa Road  
Emergency Phone: 800-535-5053  
City: Arcadia  
State: CA  
Phone: 626-443-6433  
Date Prepared: 12-2009

### Section 2 - Hazardous Ingredient/Identity Information

Hazardous Components: None  
VOC: Less than or equal to 10 g/L

### Section 3 - Physical/Chemical Characteristics

Boiling point: Not Available Specific gravity(H<sub>2</sub>O=1): 2.35  
Vapor pressure: Not Available Melting point: Not Available  
Vapor density: Not Available Evaporation rate: Not Available  
pH: 7.2  
Solubility in water: Negligible

Appearance and odor: Off White powder, no odor

### Section 4 - Fire And Explosion Hazard Data

Flash point: Not Available Flammable limits: Not Available  
LEL: Not Available UEL: Not Available

NFPA hazard rating (0 = Least, 4 = Extreme)  
Health: 2 Fire: 0  
Reactivity: 0 Other: 0

HMIS Hazard Rating:  
Health: 2 Fire: 0  
Reactivity: 0

Extinguishing media: None  
Special fire fighting procedures: None  
Unusual fire and explosion hazards: None known

### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: No special precautions.  
Incompatible materials to avoid: No special precautions. (Reacts with hydrofluoric acid: soluble in HF).  
Hazardous decomposition byproducts: May react with hydrofluoric acid (GCFR) to form toxic silicon tetra-fluoride gas.  
Hazardous polymerization: Will not occur.

### Section 6 - Health Hazard Data

#### Routes of Entry:

Inhalation - Nuisance dust  
Skin - No  
Ingestion - Non-hazardous  
Health Hazards - In extreme exposures, some congestion may occur..

Carcinogenicity: NTP - None; IARC Monographs - Vol. 68 (1997)  
Silica-Group 3 (Not classifiable as to carcinogenicity to humans);

OSHA Regulated: No

Acute health effects: Transitory upper respiratory irritant.

Chronic health effects: Inhalation of high levels of any nuisance dust over long periods of time may cause lungs to be more vulnerable to pneumococcosis (lung disease).

#### Signs and Symptoms of Over Exposure:

Eyes: Temporary irritation & inflammation  
Skin: Not Available  
Ingestion: Non-hazardous  
Inhalation: Respiratory irritation. In extreme exposures some congestion may occur.

Medical conditions which may be aggravated: Pre-existing upper respiratory & lung disease such as, but not limited to bronchitis, emphysema & asthma.

#### Emergency and First Aid Procedures:

**Eyes:** Flush with copious amounts of clean water for 15 minutes. If irritation persists, consult a physician.

**Skin:** Wash off with soap and water. If irritation persists, call physician.

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

**Inhalation:** Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air.

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

Steps to be taken in case material is released or spilled: Vacuum clean spillage. If sweeping is necessary, use a dust suppressant.

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

Precautions to be taken in handling and storing: Use techniques that minimize generating dust.

Other precautions: KEEP OUT OF REACH OF CHILDREN. Follow directions on the container for proper use of this product. Material when wet, may be slippery on a smooth surface, use caution.

#### Section 8 - Control Measures

Use an approved dust mask, such as particulate filter respirator.

#### Ventilation:

Local exhaust - Recommended

Mechanical - Sweep or vacuum all spills

Special Other - Use filter equipped vacuum to remove dust; Do not blow off with compressed air.

Protective gloves: Not required.

Eye protection: Tight fitting, splash proof safety goggles.

Other protective clothing or equipment: Not required.

Work hygienic practices: Avoid vigorous shaking of bags. Clean clothes with vacuum hose, not by blowing off. 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#: Not Available

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.

# MiraPolish™

Natural Stone Polishing Creme



www.miraclesealants.com

**To Polish and Restore**

Marble Agglomerate	Terrazzo Some Granite	Travertine Limestone Calcium base Natural Stone
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**Uses**

Floors	Walls	Counters	Furniture
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**Special Features**

Easy-to-Use	Fast Acting	Effective	Interior & Exterior
Non-Coating	Less Mess	No Stripping	
Cost Effective	Removes Light Scratches & Etch Marks		
No Oxalic Acid	Pleasant Scent		

**Product Description**

MiraPolish™ is a unique, natural, non-wax creme compound for polishing and restoration of most marble, travertine, limestone, terrazzo, some granite and other calcium base natural stone surfaces. MiraPolish™ requires no special training to use. When used properly, MiraPolish™ will give a long lasting luster, while removing scratches and etch marks. MiraPolish™ will not yellow. MiraPolish™ eliminates the need for stripping and waxing of natural stone surfaces. MiraPolish™ is great for easy ongoing maintenance, as well as the final polishing step in any stone restoration procedure. Heavy scratches and etch marks may need to be removed using Mira Hone or with Pyramid Diamond Abrasives.

**Sample Testing**

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

**Protection Section**

Always protect neighboring surfaces of acid-sensitive surfaces including wood, metal, carpet, baseboards, fabric, landscaping, etc. MiraPolish™ should not be left on the surface for any length of time without buffing. If buffing is stopped then remove from floor. Place the floor or hand machine on a plastic sheet when not in use.

**Directions**

**Always read the entire label, product data sheet and material data sheet before using. Select an area of about 40 square feet.**

- All previous applied sealers, coatings and/or waxes must be removed using Mira Strip or H2O Strip as directed.
- If the surface is dirty scrub using Mira Clean #1 as directed.
- If the floor is very dirty or old (typically 5 years or more), use Liquid Poulitice as directed for optimum results.
- Apply a small amount of water to the surface. Do not work large areas.
- Apply about a cup of MiraPolish™ in the center of the area to be worked.
- Attach a red, white or natural (hog hair) pad onto the Marble Master MM 1000 floor machine. Buff in a side-to-side motion. The consistency of the slurry should be fluid enough to achieve even coverage over area.
- If slurry becomes dry, add water as needed.
- After making several passes, move slurry aside with a squeegee. Check for desired luster. Work longer for additional luster. When the desired luster is achieved, squeegee the MiraPolish™ slurry to the next section and add MiraPolish™ and water as needed.

**DO NOT ALLOW MiraPolish™ DRY ON THE SURFACE.**

- Rinse the surface with clean water and remove with a wet vacuum. This procedure will remove any residue.
- Complete large areas in a checkerboard fashion making sure to overlap sections to blend.

Special Note: MiraPolish™ can separate and settle when not in use. Always stir or shake contents well before, during and after use. Replace lid

as quickly as possible and ensure the lid is firmly replaced when stored for next use. If MiraPolish™ becomes dry before next use, add a small amount of clean water to loosen paste to a workable cream/liquid.

**Coverage**

Coverage will vary depending on the density, porosity, texture, surface absorption, time solution left on the surface, weather and application methods. Used as directed, MiraPolish™ will cover approximately 350 – 500 square feet per 4.5 pound container (32.5 – 46 square meters).

**Water, Stain & Slip Protection**

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

**Ongoing Maintenance**

The MiraPolish™ finish will vary from situation to situation and stone to stone. Use MiraPolish™ as directed for ongoing polish maintenance. Refer to Miracle Sealants Care Guides for additional information.

**Future Restoration**

Use MiraPolish™ as directed.

**Storage**

Store MiraPolish™ in original container properly sealed and unmixed. Stored at 77 degrees F (40 degrees C), MiraPolish™ will have a shelf life of 12 months. Do not allow to freeze.

**Technical Support**

For additional technical support, contact Miracle Sealants Company @ 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 1-800-350-1901 Fax: 1-636-443-1435  
Website: www.miraclesealants.com

**Transportation Damage**

If product is damaged during transportation contact Info-Trac @ 1-800-535-5053 for additional information 24 hours a day.

**Additional Products**

Miracle Sealants Company offers a complete line of water and 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.

**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.

**Caution**

Use in a well ventilated area. This product contains a corrosive and must be used as directed. KEEP OUT OF REACH OF CHILDREN. Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed flush with water. Gloves and protective clothing should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. **Refer to the MSDS for additional safety information.**

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: MiraPolish™

**Section 1**

Manufacturers Name: Miracle Sealants Company  
Address: 12318 Lower Azusa Road  
Emergency Phone: 800-535-5053  
City: Arcadia  
State: CA  
Phone: 626-443-6433  
Date Prepared: 12-2009

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

Hazardous Components (Specific Chemical Identity: Common Name(s))		
OSHA PEL	ACGIH TLV	Other Limits %(optional)
Aluminum Oxide	CAS no. 1344-28-1	50-80%
Potassium Oxalate	CAS no. 6487-48-5	25-50%
Shellac	Not Available	5-10%
Mineral Oxides	Not Available	7-11%
Mixing Liquids	Not Available	10-20%
VOC : 0% by weight (non-regulated)		

**Section 3 - Physical/Chemical Characteristics**

Boiling point: Not Available Specific gravity(H2O=1): 1  
Vapor pressure: Not Available Melting point: Not Available  
Vapor density: Not Available Evaporation rate: Not Available  
pH: 7.2 (Butyl Acetate = 1)  
Solubility in water: Partial Ph: (wet) 3-5 (depending on blending)

Appearance and odor: Yellow cream / Odorless

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

Flash point: Not Available Flammable limits: Not Available  
LEL: Not Available UEL: Not Available

NFPA hazard rating (0 = Least, 4 = Extreme)  
Health: 2 Fire: 0  
Reactivity: 0 Other: 0

HMS Hazard Rating:  
Health: Not Available Fire: Not Available  
Reactivity: Not Available

Extinguishing media: Product non-combustible. Use media appropriate for surrounding fire.

Special fire fighting procedures: Wear self-contained (NIOSH approved) breathing apparatus.

Unusual fire and explosion hazards: None known

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: Not Available  
Incompatible materials to avoid: Not Available  
Hazardous decomposition byproducts: Not Available  
Hazardous Polymerization: Will not occur.

**Section 6 - Health Hazard Data**

**Routes of Entry:**

Inhalation - Dizziness / Headache  
Skin - Irritation / Drying  
Ingestion - Nausea / Irritation  
Health Hazards - Possible acute hazards from ingestion and skin irritation from contact.

Carcinogenicity:  
OSHA: None NTP: None  
IARC Monographs: None

**Signs and Symptoms of Over Exposure:**  
Redness of skin and intestinal pain.

**Emergency and First Aid Procedures:**

**Inhalation:** Remove victim from area and get medical attention if irritation persists.  
**Skin:** Wash with alkaline soap / flush with water.  
**Eyes:** Flush with plenty of water for 15 minutes / call physician.  
**Ingestion:** Do not induce vomiting. Call physician or Poison Control Center immediately.

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

Steps to be taken in case material is released or spilled: Contain product in earth and sand.

Waste disposal method: Do not dump in drain. Put in plastic container, then dispose of in accordance with federal, state, and local regulations.

Precautions to be taken in handling and storing: Keep away from children and animals. Keep away from food and drinks including animal foods..

Other precautions: This product is to be used exclusively by cleaning and stone restoration professionals. Please read product information sheet carefully before usage.

**Section 8 - Control Measures**

Respiratory protection: Need to determine proper respiratory protection.

**Ventilation:**  
Local exhaust - Desirable

Protective gloves: Yes / Rubber gloves.  
Eye protection: Yes / Safety glasses.  
Other protective clothing or equipment: Waterproof apron and boots recommended.

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#: Not Available 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.

# Granite Brite

## To Polish and Restore

- Granite

### Uses

- Floors
- Restrooms
- Showers
- Kitchens
- Counters

### Special Features

- Easy-to-Use
- Fast
- Effective
- Non-Coating
- Never Yellows
- Retains Natural Color
- Odorless

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Granite Brite is a no-wax compound for the polishing of worn granite surfaces, primarily floors. Granite Brite contains only high quality abrasives. Granite Brite does not replace diamond grinding of granite surfaces; it is used as a part of a non-wax maintenance polishing system for granite surfaces.

### Sample Testing

Due to the differences of each material, 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 masonry and non masonry surfaces.

## APPLICATION INSTRUCTIONS

**Read the entire label and PDS/MSDS before starting.**

Cover baseboard, carpet, etc., with protective plastic and/or tape. Strip the floor (if needed) with **Mira Strip** or **H2O Strip** and a blue or brown pad. Pour a small amount of the **Granite Brite** compound on the floor (about 2 oz. for 10 sq. ft.) Add some water to the **Granite Brite** to make up a paste mixture. Buff the paste with a **Marble Master** floor machine and natural fiber brush or a red nylon pad until the paste is completely gone and the granite is polished and dry. It is important to get the surface hot with the buffing machine and pad. For better results, use a felt pad.

**IF NEEDED:** Spray **Marble Conditioner** on the dry granite and buff with a steel wool pad grade 0 until the granite is polished and the color is back.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Poulitice** as directed.

**Light Cleaning:** Use **Mira Clean #1** or **Counter Kleen** as directed.

### Water, Stain & Slip Protection

To protect cleaned area from future soiling and 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** may be used. For porous type "Pavers", **511 Seal & Enhance** may be used as directed.

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Granite Brite** will cover approximately 80 square feet per 1-pound container.

## 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 **Granite Brite** in the original container, properly sealed to avoid contamination. Stored at 77° F (40° C), **Granite Brite** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

Use in a well ventilated area. This product contains corrosives and must be used as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food and beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. Chemical resistant gloves should be worn at all times. If exposed, flush with water. Keep small children and pets out of the area until product or surface has thoroughly dried. **Refer to 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.

# Granite Brite

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

29 CFR 1910.1200 OMB No. 1218-0072  
Identity No: Name: Granite Brite

### 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: 12-2009

### Section 2 - Hazardous Ingredient/Identity Information

Non Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Tin Oxide	18282-10-5	Not Available	5 mg/m <sup>3</sup>
Aluminum Oxide	1344-28-1	Not Available	20 mg/m <sup>3</sup>
Black Oxide	12227-84-3	Not Available	Not Available

VOC : 0% by weight (non-regulated)

### Section 3 - Physical/Chemical Characteristics

Boiling point: Not Available Specific gravity (H<sub>2</sub>O=1) : 0.3 gr/ml  
Vapor pressure (mmHg): Not Available  
Melting point: Not Available Vapor density (Air =1) : Not Available  
Evaporation rate (Butyl Acetate = 1): Not Available  
Solubility in water: Partial pH: Not Available

Appearance and odor: Gray powder, none.

### Section 4 - Fire and Explosion Hazard Data

Flash point: Not Available Flammable limits: Not Available  
LEL: Not Available UEL: Not Available  
Extinguishing media: None Known  
Special fire fighting procedures: None Known  
Unusual fire and explosion hazards: None Known

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

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

HMIS Hazard Rating:  
Health: Not Available Fire: Not Available  
Reactivity: Not Available

### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: Not Available  
Incompatible materials to avoid: Not Available  
Hazardous decomposition or byproducts: Not Available  
Hazardous polymerization: Will not occur

### Section 6 - Health Hazard Data

#### Routes of Entry:

Inhalation - Dizziness/Headache  
Skin - Irritation/Drying  
Ingestion - Nausea/Irritation

OSHA Carcinogenicity -  
NTP - NO  
IARC Monographs -

Signs & symptoms of exposure: Redness/Intestinal Pain

Medical conditions generally aggravated by exposure: Burns or lacerations

#### Emergency and First Aid Procedures:

**Eyes:** Flush with plenty of water for at least 15 minutes. Call Physician.

**Skin:** Wash with alkaline soap / flush with water.

**Ingestion:** Do not induce vomiting/drink water/call physician.

**Inhalation:** Remove victim from area and call physician if irritation persists.

### Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: If dry, vacuum up. If wet, pick up, then flush with water. If sweeping is necessary, use dust suppressant.

Waste disposal method: Do not dump in drain. Put in plastic container, then dispose of in accordance with federal, state and local regulations.

Precautions to be taken in handling and storing: KEEP AWAY FROM CHILDREN. Keep away from foods and drinks including animal foods.

Other precautions: This product is to be used exclusively by cleaning and stone restoration professionals. Please read **Granite Brite** information sheet carefully before usage.

### Section 8 - Control Measures

Respiratory protection: Use dust protection mask. 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 - Desirable

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting splash proof safety glasses.

Other protective clothing or equipment: water proof apron & boots recommended.

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 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.

# Mira Dust

### Polishing Powder For

- Marble
- Limestone
- Terrazzo
- Other Natural Stone
- Travertine
- Furniture

### Special Features

- No Oxalic Acid
- Safe to Use
- Easy to Use
- Fast Acting
- Interior & Exterior
- Cost Effective

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** Mira Dust polishing powder is a unique blend designed to enhance the natural shine of natural stone and terrazzo. Mira Dust will remove light scratches, water rings and acid etch marks. Mira Dust is an effective means of maintaining the factory finish of marble, travertine, limestone, terrazzo and other natural stone surfaces. Unlike recrystallization or vitrification, Mira Dust does not change the surface composition of the stone. Mira Dust is an easy to use polishing process that has been used in stone factories and in the field for decades. Mira Dust is great for ongoing maintenance, as well as the final polishing step in any stone restoration procedure. Heavy scratches and etch marks may need to be honed with Mira Hone or with the Pyramid Diamond Abrasive System.

### Sample Testing

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

### Special Precaution & Protection

Always protect neighboring surfaces including wood, carpet, metal, landscaping and other non masonry surfaces. Mira Dust should not be left on the surface for any length of time without constant buffing action. If buffing is stopped Mira Dust must be immediately picked up to avoid burning. Place the floor or hand machine on a plastic or teflon sheet when not in use. Mira Dust is not recommended for granite or synthetic surfaces. Mira Dust can be run through a sifter for a more consistent powder.

### APPLICATION INSTRUCTIONS

Read entire label and PDS/MSDS before using.

All previous applied sealers, coatings and/or waxes must be removed using Mira Strip or H2O Strip as directed.

Using a Marble Master 1000 (175 rpm, 150 lbs.) floor machine equipped with a white polishing pad or a tampico brush will provide optimum results. Wet a small area (2 - 4 sf) with clean water. Sprinkle Mira Dust on the area and buff making slow, even passes side to side. Add water or Mira Dust as needed to maintain a watery/milky slurry. DO NOT ALLOW MIRA DUST SLURRY TO DRY ON THE SURFACE. Buff the stone for 1 - 2 minutes or until desired polish is achieved. Additional buffing with Mira Dust may be used to increase polish. A floor squeegee may be used to move the solution to the next small area to be polished. Be careful not to buff too long in any given area as this may create a burn. After polishing, rinse the stone thoroughly with a Mira Clean #1 solution (20 - 1). Agitate with a soft brush and remove using a wet vacuum. This procedure is essential for neutralization of the polished surface.

**Counters:** Use a hand machine (600 - 800 rpm) equipped with a white pad or tampico brush and use in the same manner as with floors.

**Wall:** Wet the small area to be worked and sprinkle the Mira Dust directly onto the polishing pad or brush. Buff the walls in small sections. Be careful to protect neighboring areas from dripping of the Mira Dust solution.

**Small Areas:** Mira Dust can be worked by hand for very small areas or trouble spots. Follow the same procedure as above, buffing with a small white pad and using rubber gloves. This method can effectively remove many light scratches, water rings and etch marks while restoring desired luster to those very small and hard to reach areas.

**Heavy Duty Cleaning:** Use Phosphoric Acid Cleaner, GCFR or Liquid Poulitice as directed.

**Light Cleaning:** Use Mira Clean #1 or Counter Kleen as directed.

### Water, Stain & Slip Protection

Application of Miracle Penetrating Sealer/Impregnator will reduce penetration of all staining materials and make the surface less slippery.

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, Mira Dust will do approximately 150 - 300 square feet (14 - 27 sq. meters) per pound.

### 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 Mira Dust in the original upright container properly sealed and unmixed. Stored at 77° F (40° C), Mira Dust 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

### Caution

Use in a well ventilated area. This product contains a mild corrosive and must be used only as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed flush with water. Chemical resistant gloves should be worn at all times. Keep small children and pets out of area until product or surface has thoroughly dried. 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.

## Mira Dust

**Osha's Hazard Communication Standard  
U.S. Department Of Labor**
29 CFR 1910.1200  
Identity No:OMB No. 1218-0072  
Name: Mira Dust**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: 12-2009

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

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Potassium Oxalate	6487-48-5	Not Available	Not Available
Ammonium Bifluoride	1341-49-7	Not Available	Not Available
Acrylic Acid	79-10-7	10ppm	Not Available
VOC : 0% by weight (non-regulated)			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 141° C	Freezing point: Not Available
Melting point: Not Available	Vapor pressure: (3) 4
Vapor density: 2.5	% Volatile: Not Available
Density: Not Available	Odor threshold: Not Available
Evaporation rate: Not Available	Acid/Alkalinity: Not Available
Solubility in organic solvent: Not Available	
pH: 2.3	

Solubility in water: (1) 25% In weight at 18° C  
(2) 45.3% (3) Complete

Physical state: (1) Fine, granular, white, odorless crystals.  
(2) White, transparent solid, slight acid odor  
(3) Colorless liquid, sharply acrid odor

Specific Gravity: (1) 2.13 (2) 1.5 (3) 1.05

**Section 4 - Fire And Explosion Hazard Data**Flash Point: 50 T.C.C. LEL: 2  
UEL: 8Extinguishing media: Water fog, CO<sub>2</sub>, alcohol or dry chemical.

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

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

HMIS Hazard Rating:  
Health: Not Available Fire: Not Available  
Reactivity: Not Available

Special fire fighting procedures: None Known  
Unusual fire & explosion hazard: None Known

**Section 5 - Reactivity Data**

Stability: Stable  
Conditions to avoid: Heat and any open flame  
Incompatible materials to avoid: Strong oxidizers, acids and alkalis, aldehydes, ethers and amines.

Hazardous polymerization: May occur.  
Conditions to avoid: Excessive heat and freezing  
Hazardous decomposition products: NH<sub>3</sub> and HF, which are corrosive.

**Section 6 - Health Hazard Data**

**Routes of Entry:**  
Inhalation - Possible  
Skin - Possible  
Ingestion - Possible  
Health hazards - Same as signs and symptoms of exposure

Carcinogenicity:  
OSHA - No  
NTP - No  
IARC Monographs - No

**Signs and Symptoms of Over Exposure:**

Eyes: Material is ocular irritant & may cause cornea damage. Healing is usually complete if first aid measures have been promptly initiated.

Skin: May cause irritation to skin.

Ingestion: May cause systemic poisoning and cause severe damage to the esophagus and stomach. May cause hypocalcemia, possibly fatal.

Inhalation: Irritation, may cause coughing & difficult breathing. Excessive inhalation may cause systemic poisoning.

Medical conditions generally aggravated - Hypocalcemia, liver or kidney diseases.

Signs and symptoms of over exposure: Pain in throat, esophagus and stomach.

**Emergency and First Aid Procedures**

**Eyes:** Promptly flush with plenty of water, lifting eyelids occasionally to facilitate irrigation. Continue for at least 15 minutes.

**Skin:** Wash with plenty of soap and water. Then flush with water. Remove clothing upon contamination and wash before reuse.

**Ingestion:** Do not induce vomiting. Get prompt medical attention.

**Inhalation:** Remove victim to fresh air. If exposure to dust or mist was severe, get medical attention.

**Section 7 - Precautions for Safe Handling and Use**

Steps to be taken in case material is released or spilled: Promptly sweep or shovel material into an empty container, avoiding dusty conditions. Label container "poison" and close for later use or disposal. Complete clean-up by flushing residue with plenty of water. Skin and eye protection should be used.

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, away from food or feed product. Wash thoroughly after handling. Do not get in eyes, skin, clothing. Keep container closed. Do not ingest.

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: 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.

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses.

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 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.

# Mira Hone

### To Hone, Remove Light Scratches, Etch Marks in

- Marble
- Travertine
- Terrazzo
- Limestone

### Uses

- Floors
- Restrooms
- Showers
- Kitchens
- Counters

### Special Features

- Easy-to-Use
- Non-Acid
- Effective
- Non-Coating
- Can Be Used w/Lippage
- Never Yellows
- No Stripping
- Cost Effective

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Mira Hone** is a unique, natural, non-wax powder compound for honing and deep cleaning marble, travertine, limestone and terrazzo. **Mira Hone** can effectively be used on floors with "lippage" to remove scratches, etch marks, light weight traffic patterns. **Mira Hone** can be used to prepare the stone surface prior to using one of the **Miracle Sealants** final polishing products. The combination offers an effective way to maintain the natural beauty of the stone, while providing a durable, slip resistant surface.

### Sample Testing

Due to the differences of each material, 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, metal, carpet, baseboards, fabric, landscaping, etc.

### APPLICATION INSTRUCTIONS

**Read the entire label and PDS/MSDS before starting.**

- a. All previous applied coatings and/or waxes must be removed using **Mira Strip** or **H2O Strip** as directed.
- b. Apply a small amount of water to the stone surface. Work in approximately 25 - 35 square feet at a time. Do not work large areas.
- c. Sprinkle a handful of **Mira Hone** onto the wet surface (approximately 5 ounces per 25 square feet).
- d. Buff the **Mira Hone** with a **Marble Master** floor machine creating a slurry with a natural hair brush or red nylon pad for approximately 10 minutes per 25-35 square feet.
- e. Move slurry aside with a squeegee. Check for desired results. Work longer if necessary. Move the slurry to the next section and add **Mira Hone** and water as needed. **DO NOT ALLOW Mira Hone TO DRY ON THE SURFACE.**
- f. Remove excess slurry with a wet vacuum. Damp mop and let dry.
- g. For a higher polish, the surface is now prepared for one of the polishing compounds: **Marble Conditioner**, **Mira Dust** and **Mira Polish**.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Poulitce** as directed.

**Light Cleaning:** Use **Mira Clean #1**, **Mira Soap**, **Grout Cleaner**, or **Counter Kleen** as directed.

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Mira Hone** will cover approximately 80 - 115 square feet per pound (7 - 11 square meters).

### Water, Stain & Slip Protection

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

### MAINTENANCE

How often **Mira Hone** is used will depend on the surface and the traffic it is exposed to on a day-to-day basis. 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 **Mira Hone** in the original upright container, properly sealed and unmixed. Stored at 77° F (40° C), **Mira Hone** 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 for additional information 24 hours a day.

### Additional Products

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

### Caution

Use in a well ventilated area. This product contains a corrosive and must be used as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed flush with water. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. **Refer to 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.



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

 29 CFR 1910.1200 OMB No. 1218-0072  
 Identity No: Name: **Mira Hone**
**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: 12-2009
**Section 2 - Hazardous Ingredient/Identity Information**

Non hazardous components	CAS #	OSHA PEL	ACGIH TLV
Aluminum oxide	1344-28-1	Not Available	Not Available

 VOC : 0% by weight (non-regulated)
**Section 3 - Physical/Chemical Characteristics**
 Boiling point: Not Available Specific gravity (H<sub>2</sub>O=1) : Not Available  
 Vapor pressure (mmHg) : Not Available  
 Melting point: Not Available  
 Vapor density (AIR-1) : 1  
 Evaporation rate (Butyl Acetate = 1) : Not Available  
 Solubility in water: Non Soluble

 Appearance and odor: White powder / none  
 pH (wet): 8-10
**Section 4 - Fire And Explosion Hazard Data**
 Flash point: Not Available Flammable limits: Not Available  
 LEL: Not Available UEL: Not Available

 Extinguishing media: Not Available  
 Special fire fighting procedures: Not Available  
 Unusual fire and explosion hazards: Not Available  
 NFPA hazard rating (0 = Least, 4 = Extreme)  
 Health: 2 Fire: 0  
 Reactivity: 0 Other: 0

 HMIS Hazard Rating:  
 Health: Not Available Fire: Not Available  
 Reactivity: Not Available
**Section 5 - Reactivity Data**
 Stability: Stable  
 Conditions to avoid: Not Available  
 Incompatible materials to avoid: Not Available  
 Hazardous decomposition or byproducts: Not Available  
 Hazardous polymerization: Will not occur
**Section 6 - Health Hazard Data****Routes of Entry:**
 Inhalation - Avoid  
 Skin - Irritation, drying  
 Ingestion - Nausea, irritation  
 Health hazards (acute & chronic) - None known

Signs and symptoms of exposure: Redness, intestinal pain

Medical conditions generally aggravated by exposure: Burns or lacerations

**Carcinogenicity:**
 OSHA: None NTP: None  
 IARC Monographs: None
**Emergency and First Aid Procedures:**
**Inhalation:** Remove victim from area.

**Skin:** Wash with alkaline soap/flush with water.

**Eyes:** Flush with plenty of water for at least 15 minutes/call physician.

**Ingestion:** Do not induce vomiting. Call physician or Poison Control Center immediately.
**Section 7 - Precautions For Safe Handling And Use**

Steps to be taken in case material is released or spilled: If dry, vacuum up. If wet, pick up, then flush with water. If sweeping is necessary, use dust suppressant.

Waste disposal method: Do not dump in drain. Put in plastic container, then eliminate in accordance to local regulation for disposal of abrasive material.

Precautions to be taken in handling and storing: KEEP AWAY FROM CHIL-DREN. Keep away from foods and drinks including animal foods.

Other precautions: This product is to be used exclusively by cleaning and stone restoration professionals. Please read Mira Hone™ information sheet carefully before usage.

**Section 8 - Control Measures**

Respiratory protection: Use dust protection mask. 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 - Desirable

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses.

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 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.

# Tile Restor

### To Hone And Deep Clean Very Old and/or Worn

- Mosaic Tile
- Porcelain Tile
- Ceramic Tile
- Quarry Tile

### Uses

- Floors
- Restrooms
- Showers
- Kitchens

### Special Features

- Easy-to-Use
- Fast
- Effective
- Non-Coating
- Never Yellows
- No Stripping
- Cost Effective

### PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Tile Restor** is a unique, natural, non-wax powder compound for cleaning and restoration of most heavily damaged and old ceramic, quarry, mosaic and porcelain tiles. **Tile Restor** requires no special training to use. When used properly, **Tile Restor** prepares the tile surface for final polishing with **Tile Brite**. Used in combination they will give a long lasting luster, while providing a durable slip resistant surface. After restoration, use of **Tile Brite** will leave a finish that will last approximately 3 - 5 years. Use of **511 Impregnator** and **Porcelain & Ceramic Tile Cleaner** offers the most complete program available for the ongoing care and protection of ceramic tile. The use of the Miracle Sealants Tile Care program eliminates stripping and waxing of tile.

### Sample Testing

Due to the differences of each material, 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, metal, carpet, baseboards, fabric, landscaping, etc.

### APPLICATION INSTRUCTIONS

Read the entire label and PDS/MSDS before starting.

- a. All previous applied sealers, coatings and/or waxes must be removed using **Mira Strip** or **H2O Strip** as directed.
- b. If the grout is very dirty scrub using **GCFR** as directed.
- c. If the floor is very dirty or old (typically 5 years or more), use **Tile Restor**, if not proceed directly to **Tile Brite** as directed.
- d. Apply a small amount of water to the tile and grout surface. Work in approximately 25 - 35 square feet at a time. Do not work large areas.
- e. Sprinkle a handful of **Tile Restor** onto the wet surface (approximately 5 ounces per 25 square feet of tile).
- f. Buff the **Tile Restor** creating a slurry with natural hair brush or pad. (A **Marble Master** or similar floor machine is preferred). Approximately 10 minutes per 25 - 35 square feet of tile.
- g. Move slurry aside with a squeegee. Check for desired cleanliness and luster. Work longer if necessary. When the desired cleanliness and luster is achieved, squeegee the **Tile Restor** slurry to the next section and add **Tile Restor** and water as needed. **DO NOT ALLOW Tile Restor TO DRY ON THE SURFACE.**
- h. Remove excess slurry with a wet vacuum. Wet the surface with clean water and buff with the same brush or pad. **DO NOT ADD MORE Tile Restor.** This procedure will remove any residue.
- i. Vacuum dry and let air dry.
- j. Polish to final luster using **Tile Brite** as directed.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Poulitce** as directed.

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

### Water, Stain & Slip Protection

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

### Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, time solution left on surface, weather and application methods. Used as directed, **Tile Restor** will cover approximately 80 - 115 square feet per pound (7 - 11 square meters).

### Protect Neighboring Surfaces

Treat all surfaces with **511 Impregnator** as directed.

### MAINTENANCE

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

### Future Restoration

Use **Tile Restor** and **Tile Brite** as directed.

### Storage

Store **Tile Restor** in the original upright container, properly sealed and unmixed. Stored at 77° F (40° C), **Tile Restor** 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 for additional information 24 hours a day.

### Additional Products

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

### Caution

Use in a well ventilated area. This product contains a corrosive and must be used as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed flush with water. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. **Refer to 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.

# Tile Restor

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

29 CFR 1910.1200  
Identity No:

OMB No. 1218-0072  
Name: Tile Restor

### 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: 12-2009

### Section 2 - Hazardous Ingredient/Identity Information

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Magnesium Fluorosilicate Acid	18972-56-0	-	-
Aluminum Oxide	1344-28-1	-	-

VOC : 0% by weight (non-regulated)

### Section 3 - Physical/Chemical Characteristics

Boiling point: 200° C  
Vapor pressure : Not Available  
Vapor density (AIR-1): Not Available  
Solubility in water: Non soluble

Specific gravity (H<sub>2</sub>O = 1) : 2.7 gr/ml  
Melting point: Not Available  
Evaporation rate : Not Available  
pH (wet): 4

Appearance and odor: White powder / odorless

### Section 4 - Fire and Explosion Hazard Data

Flash point: Not Available  
LEL: Not Available

Flammable limits: Not Available  
UEL: Not Available

Extinguishing media: Not Available  
Special fire fighting procedures: Not Available  
Unusual fire and explosion hazards: Non-flammable product  
NFPA hazard rating (0 = Least, 4 = Extreme)

Health: 1  
Reactivity: 0

Fire: 0  
Other: 0

HMIS Hazard Rating:  
Health: Not Available  
Reactivity: Not Available

Fire: Not Available

### Section 5 - Reactivity Data

Stability: Stable  
Conditions to avoid: None known  
Incompatible materials to avoid: None known  
Hazardous decomposition or byproducts: None known  
Hazardous polymerization: Will not occur

### Section 6 - Health Hazard Data

#### Routes of Entry:

Inhalation - Slight irritation  
Skin - Slight irritation  
Ingestion - Slight irritation

Health hazards (acute & chronic) - May irritate eyes, skin and respiratory tract.

Medical conditions generally aggravated by exposure: None known

OSHA Carcinogenicity - No  
NTP - No  
IARC Monographs - No

#### Emergency and First Aid Procedures:

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, get medical attention at once.

**Skin:** Wash thoroughly with soap and water.

**Inhalation:** Move exposed person to fresh air. If irritation persists, get medical attention promptly.

**Ingestion:** If this product is swallowed, do not induce vomiting. Get medical attention at once.

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

Steps to be taken in case material is released or spilled: If dry, vacuum up. If wet, pick up, then flush with water. If sweeping is necessary, use dust suppressant.

This product is not toxic nor corrosive.

Precautions to be taken in handling and storing: Avoid skin and eye contact. Store in original container and in a dry place.

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

Other precautions: KEEP AWAY FROM CHILDREN AND ANIMALS. This product is to be used exclusively by cleaning and stone restoration professionals.

### Section 8 - Control Measures

Respiratory protection: Use dust protection mask. 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 - Is desirable

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting splash proof safety glasses.

Other protective clothing or equipment: Chemical resistant clothing, water proof apron & boots recommended.

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 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.

# Tile Brite

## To Polish and Restore

- Mosaic Tile
- Porcelain Tile
- Ceramic Tile
- Quarry Tile

## Uses

- Floors
- Restrooms
- Showers
- Kitchens

## Special Features

- Easy-to-Use
- Fast
- Effective
- Non-Coating
- Never Yellows
- No Stripping
- Cost Effective
- Finish Last Up to 5 Years

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Tile Brite** is a unique, natural, non-wax powder compound for polishing and restoration of most ceramic, quarry, mosaic and porcelain tiles. **Tile Brite** requires no special training to use. When used properly, **Tile Brite** will give a long lasting luster, while providing a durable slip resistant surface. **Tile Brite** will not yellow. Use of **Tile Brite** with appropriate **511 Impregnator** and **Porcelain & Ceramic Tile Cleaner** offers the most complete program available for the ongoing care and protection of ceramic tile. **Tile Brite** eliminates the need for stripping and waxing of tile.

**Tile Brite** is available in black, gray and white for the right grout color.

## Sample Testing

Due to the differences of each material, 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, metal, carpet, baseboards, fabric, landscaping, etc.

## APPLICATION INSTRUCTIONS

Read the entire label and PDS/MSDS before starting.

- a. All previous applied sealers, coatings and/or waxes must be removed using **Mira Strip** or **H2O Strip** as directed.
- b. If the grout is very dirty scrub using **GCFR** as directed.
- c. If the floor is very dirty or old (typically 5 years or more), use **Tile Restor** first as directed for optimum results.
- d. Apply a small amount of water to the tile and grout surface. Work in approximately 25 - 35 square feet at a time. Do not work large areas.
- e. Sprinkle a handful of **Tile Brite** onto the wet surface (approximately 5 ounces per 25 square feet of tile).
- f. Buff the **Tile Brite** creating a slurry with natural hair brush or pad. (A **Marble Master** or similar floor machine is preferred). Approximately 20 minutes per 25 - 35 square feet of tile.
- g. Move slurry aside with a squeegee. Check for desired luster. Work longer for additional luster. When the desired luster is achieved, squeegee the **Tile Brite** slurry to the next section and add **Tile Brite** and water as needed. **DO NOT ALLOW Tile Brite DRY ON THE SURFACE.**
- h. Remove excess slurry with a wet vacuum. Wet the surface with clean water and buff with the same brush pad. This procedure will remove any residue. **DO NOT ADD MORE Tile Brite.**
- i. Rinse the surface with **Mira Clean #1** and let area dry completely.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Poutlice** as directed.

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

## Water, Stain & Slip Protection

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

## Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Tile Brite** will cover approximately 80 - 115 square feet per pound (7 - 11 square meters).

## MAINTENANCE

The **Tile Brite** finish will last approximately 3 - 5 years. Use **Porcelain & Ceramic Tile Cleaner** as directed for ongoing cleaning. For ongoing maintenance instructions please refer to **Miracle Sealants Care Guide**. Refer to the **Miracle Sealants Product Recommendation Chart** for specific product recommendations.

## Future Restoration

Use **Tile Brite** as directed.

## Storage

Store **Tile Brite** in the original upright container, properly sealed and unmixed. Stored at 77° F (40° C), **Tile Brite** 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 for additional information 24 hours a day.

## Additional Products

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

## Caution

Use in a well ventilated area. This product contains a corrosive and must be used as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed flush with water. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. **Refer to 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.

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

29 CFR 1910.1200  
 Identity No:

OMB No. 1218-0072  
 Name: Tile Brite

**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: 12-2009

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

Non Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Magnesium Fluorosilicate Acid	18972-56-0	-	-
Aluminum Oxide	1344-28-1	-	-

VOC : 0% by weight (non-regulated)

**Section 3 - Physical/Chemical Characteristics**

Boiling point: 200°C  
 Vapor pressure : Not Available  
 Vapor density (AIR-1): Not Available  
 Evaporation rate( Butyl Acetate =1) : Not Available  
 Solubility in water: Partial  
 Specific gravity: 1 gr/cm3  
 Melting point: Not Available  
 pH (Wet) : 3

Appearance and odor: White powder / odorless

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

Flash point: Not Available  
 LEL: Not available

Flammable limits: Not available  
 UEL: Not available

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

Health: 2  
 Reactivity: 0

Fire: 0  
 Other: 0

HMIS Hazard Rating:

Health: 2  
 Reactivity: 0

Fire: 0

Extinguishing media: Not Available

Special fire fighting procedures: Not Available

Unusual fire and explosion hazards: Not Available

**Section 5 - Reactivity Data**

Stability: Stable

Incompatible materials to avoid: Not Available

Hazardous decomposition or byproducts: Not Available

Hazardous polymerization: Will not occur

Conditions to avoid: Not Available

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

Inhalation

Skin

Ingestion

Health hazards (acute & chronic): May irritate eyes, skin and respiratory tract.

Medical conditions generally aggravated by exposure: None known

Carcinogenicity:

OSHA: None

**Emergency and First Aid Procedures:**

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention at once.

**Skin:** Wash thoroughly with soap and water.

**Inhalation:** Move exposed person to fresh air. If irritation persists, get medical attention promptly.

**Ingestion:** If this product is swallowed, do not induce vomiting. If victim is conscious, give plenty of water to drink. Get medical attention at once.

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

Steps to be taken in case material is released or spilled: Avoid contact with skin and eyes. This product is not toxic nor corrosive. Vacuum up . If sweeping is necessary, use dust suppressant.

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

Precautions to be taken in handling & storing: Store in the original container in a dry place.

Other precautions: This product is to be used exclusively by cleaning and stone restoration professionals. KEEP OUT OF REACH OF CHILDREN. Follow directions on the container for proper use of this product.

**Section 8 - Control Measures**

Respiratory protection: Use dust protection mask. 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 - Desirable

Protective gloves: Plastic or rubber, chemical resistant.

Eye protection: Tight fitting splash proof safety glasses.

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 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.

# Water Ring & Etch Remover

## Polishing Powder For

- Marble
- Limestone
- Terrazzo
- Other Natural Stone
- Travertine

## Special Features

- No Oxalic Acid
- Safe to Use
- Easy to Use
- Fast Acting
- Interior & Exterior
- Cost Effective

## PRODUCT DESCRIPTION

**KEEP OUT OF REACH OF CHILDREN.** **Water Ring & Etch Remover** polishing powder is a unique blend designed to enhance the natural shine of natural stone and terrazzo. **Water Ring & Etch Remover** will remove light scratches, water rings and acid etch marks. **Water Ring & Etch Remover** is an effective means of maintaining the factory finish of marble, travertine, limestone, terrazzo and other natural stone surfaces. Unlike recrystallization or vitrification, **Water Ring & Etch Remover** does not change the surface composition of the stone. **Water Ring & Etch Remover** is an easy to use polishing process that has been used in stone factories and in the field for decades. **Water Ring & Etch Remover** is great for ongoing maintenance, as well as the final polishing step in any stone restoration procedure. Heavy scratches and etch marks may need to be honed with the **Mira Hone** or **Pyramid Diamond Abrasive System** prior to using **Water Ring & Etch Remover**.

## Sample Testing

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

## Special Precaution & Protection

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

**Water Ring & Etch Remover** should not be left on the surface for any length of time without constant buffing action. If buffing is stopped **Water Ring & Etch Remover** must be immediately picked up to avoid burning. Place the floor or hand machine on a plastic or teflon sheet when not in use. **Water Ring & Etch Remover** is not recommended for granite or synthetic surfaces. **Water Ring & Etch Remover** can be run through a sifter for a more consistent powder.

## APPLICATION INSTRUCTIONS

**Read entire label and PDS/MSDS before using.**

All previous applied sealers, coatings and/or waxes must be removed using **Mira Strip** or **H2O Strip** as directed.

Using a **Marble Master 1000** (175 rpm, 150 lbs.) floor machine equipped with a white polishing pad or a tampico brush will provide optimum results. Wet a small area (2 - 4 sf) with clean water. Sprinkle **Water Ring & Etch Remover** on the area and buff making slow, even passes. Add water or **Water Ring & Etch Remover** as needed to maintain a watery/milky slurry. **DO NOT ALLOW Water Ring & Etch Remover SLURRY TO DRY ON THE SURFACE.** Buff the stone for 1 - 2 minutes or until desired polish is achieved. Additional **Water Ring & Etch Remover** may be used to increase polish. Be careful not to buff too long in any given area as this may create a burn. After polishing, rinse the stone thoroughly with the appropriate **Miracle Cleaner** as directed. Agitate with a soft brush and remove using a wet vacuum. This procedure is essential for neutralization of the polished surface.

**Counters:** Use a hand machine (600 - 800 rpm) equipped with a white pad or tampico brush and use in the same manner as with floors.

**Wall:** Wet the small area to be worked and sprinkle the **Water Ring & Etch Remover** directly onto the polishing pad or brush. Buff the walls in small sections. Be careful to protect neighboring areas from dripping of the **Water Ring & Etch Remover** solution.

**Small Areas:** **Water Ring & Etch Remover** can be worked by hand for very small areas or trouble spots. Follow the same procedure as above, buffing with a small white pad and using rubber gloves. This method can effectively remove many light scratches, water rings and etch marks while restoring desired luster to those very small and hard to reach areas.

**Heavy Duty Cleaning:** Use **Phosphoric Acid Cleaner**, **GCFR** or **Liquid Poultice** as directed.

**Light Cleaning:** Use **Mira Clean #1** or **Counter Kleen** as directed.

## Water, Stain & Slip Protection

Application of **Miracle Penetrating Sealer/Impregnator** will reduce penetration of all staining materials and make the surface less slippery.

## Color and Gloss Enhancement

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

## Coverage

Coverage will vary depending on the density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Water Ring & Etch Remover** will do approximately 13 - 28 sq. meters per pound or 3 - sq. meters per 4 oz. bottle.

## 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 **Water Ring & Etch Remover** in the original upright container properly sealed and unmixed. Stored at 77° F (40° C), **Water Ring & Etch Remover** 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, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

## Caution

Use in a well ventilated area. This product contains mild corrosive and must be used only as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed, wash or flush with water. Keep small children and pets out of area until product or surface has thoroughly dried. **For more information refer to the MSDS.**

## 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 therewith.** Neither seller nor manufacturer shall be liable for any injury or inability to use this product.

# Water Ring & Etch Remover

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

Identity No:

Name: Water Ring &amp; Etch Remover

### 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: 12-2009

### Section 2 - Hazardous Ingredient/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
Potassium Oxalate	6487-48-5	Not Available	Not Available
Ammonium Bifluoride	1341-49-7	Not Available	Not Available
Acrylic Acid	79-10-7	10ppm	Not Available

VOC: 0% by weight (non-regulated)

### Section 3 - Physical/Chemical Characteristics

Boiling point: (3) 141° C  
Melting point: Not tested  
Vapor density: (3) 2.5  
Density: Not Available  
Available  
Evaporation rate: Not Available  
Solubility in organic solvent: Not Available  
Solubility in water: (1) 25% in weight at 18° C - (2) 45.3% - (3) Complete  
Physical State: (1) Fine, granular, white, odorless crystals.  
(2) White, transparent solid. Slight acid odor.  
(3) Colorless liquid, Sharply acrid odor.  
Specific Gravity: (1) 2.13 - (2) 1.5 - (3) 1.05

### Section 4 - Fire and Explosion Hazard Data

Flash point (method used): (3) 50 T.C.C.  
Available  
LEL: 2 UEL: 8 DOT#: None  
Extinguishing media: Water fog, CO<sub>2</sub>, alcohol or dry chemical  
NFPA hazard rating - H F R S (0 - Least, 4 - Extreme): 2 0 0 0  
Special fire fighting procedures: Not Available  
Unusual fire & explosion hazard: Not Available

### Section 5 - Reactivity Data

Stability: (1) and (3) Stable. (2) Unstable.  
Conditions to avoid: (2) Heat and any open flame.  
Incompatible materials to avoid: Strong oxidizers, acids and alkalis, aldehydes, ethers and amines.  
Hazardous polymerization: May occur.  
Conditions to avoid: Excessive heat and freezing.  
Hazardous decomposition products: (2) nh<sub>3</sub> and hf, which are corrosive.

### Section 6 - Health Hazard Data

#### Routes of Entry:

Inhalation - Possible Skin - Possible Ingestion - Possible

Health hazards - Same as signs and symptoms of overexposure.

OSHA Carcinogenicity - None; - NTP - None; - IARC Monographs - None

#### Signs and Symptoms of Over Exposure:

Eyes: Material is ocular irritant &amp; may cause cornea damage. Healing is usually complete if first aid measures have been promptly initiated.

Skin: may cause irritation to skin.

Ingestion: may cause systemic poisoning and cause severe damage to the

esophagus and stomach. May cause hypocalcemia, possibly fatal.

Inhalation: Irritation, may cause coughing &amp; difficult breathing. Excessive inhalation may cause systemic poisoning.

Medical conditions aggravated: Hypocalcemia, liver or kidney diseases.

Signs and symptoms of over exposure: Pain in throat, esophagus and stomach.

#### Emergency and First Aid Procedures:

**Eyes:** Promptly flush plenty of water, lifting eyelids occasionally to facilitate irrigation. Continue for at least 15 minutes.**Skin:** Wash with plenty of soap and water. Then flush with water. Remove clothing upon contamination and wash before reuse.**Ingestion:** do not induce vomiting. Get prompt medical attention. Speed is essential.**Inhalation:** remove victim to fresh air. If exposure to dust or mist was severe, get medical attention.

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

Steps to be taken in case material is released or spilled: Promptly sweep or shovel material into an empty container, avoiding dusty conditions. Label container "poison" &amp; close for later use or disposal. Complete clean-up by flushing residue with plenty of water, skin and eye protection should be used.

Waste disposal method: If permitted by applicable disposal regulations, dispose of waste product via a secure solid waste landfill or dissolve in large quantity of water and discharge to sewer, stepwise if necessary.

Precautions to be taken in handling and storing: Store in a cool, dry place, away from food or feed products. Wash thoroughly after handling. Do not get in eyes, skin, clothing. Keep container closed. Do not ingest.

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.

Protective gloves: Plastic or rubber chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or 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 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.