

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: March 2008

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: 0 g/L

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 (H₂O = 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, CO₂, 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 CO₂, 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 H2O Plus



www.miraclesealants.com

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 |
| ■ VOC Compliant | ■ 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, 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 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 **Miracle Applicator** 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 12 - 24 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**, **Tile & Grout Cleaner**, **Counter Kleen**, or **Mira Soap** as directed.

Mold, Mildew and Bacteria Sanitation

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