511 H2O Plus

MIRACLE Sealants Company
www.miraclesealants.com

Water & Stain Protection For

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

Uses

- Kitchens
- Driveways
- Bathrooms
- Patios
- Showers
- Garages
- Health
- 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 SDS/PDS 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 , HDAC (Heavy Duty Acidic Cleaner)** 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 **Finish Sealer Stripper** per the instructions.

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

Light Duty Cleaning: Use **Tile & Stone Cleaner, Porcelain & Ceramic Tile Cleaner, Counter Kleen**, or **Limestone/Travertine Soap** as directed.

Color & Gloss Enhancement

For color and gloss enhancement, use **511 Seal & Enhance**, **Mira Matte** or **High-Gloss Finish Sealer** 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 (25° 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 Plus 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 SDS 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.

Safety Data Sheet

RUST-OLEUM AUSTRALIA

www.rustoleum.com.au

1. Identification

Product Name: MS 511 H2O PLUS QT 6PK

Revision Date: 31/08/2023

Name on Label: Miracle Sealants 511 H2O Plus

Supercedes Date: New SDS

Product Identifier: H2OPLQT6

Product Use/Class: Penetrating Sealer

Supplier: Rust-Oleum Australia & New Zealand Pty. Ltd.
Level 2, 307 Ferntree Gully Road
Mount Waverley, Victoria 3149
Australia
Ph 1 300 784 476

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Regulatory Department

Emergency Telephone: 24 Hour Hotline: 1-300-366-961

2. Hazard Identification

This product is not classified as a Dangerous Good per the Australian Code for the Transport of Dangerous Goods by Road and Rail. This product was assessed per Safe Work Australia criteria.

Classification

Symbol(s) of Product

Not a hazardous substance or mixture per Safe Work Australia criteria.

Signal Word
No Signal Word has been assigned.

Possible Hazards
1% of the mixture consists of ingredient(s) of unknown acute toxicity.

3. Composition/Information On Ingredients

HAZARDOUS SUBSTANCES

Chemical Name	CAS-No.	Wt.% Range	GHS Symbols	GHS Statements
Propylene Glycol Monobutyl Ether	5131-66-8	1.0-2.5	GHS07	H302-315-319

The balance of the product is Nonhazardous.

4. First-Aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. Remove contact lenses, if present and easy to do. Continue rinsing.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively.

5. Fire-fighting Measures

ADG HAZCHEM CODE: Not Hazardous

EXTINGUISHING MEDIA: Aqueous Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. No unusual fire or explosion hazards noted.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

STORAGE: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

Advice on Safe Handling of Combustible Dust: No Information

8. Exposure Controls / Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	WHS WES TLV-TWA	WHS WES TLV-STEL
Propylene Glycol Monobutyl Ether	5131-66-8	5.0	N.E.	N.E.

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: Wear an approved (or equivalent) full-facepiece airline respirator according to AS/NZS 1715-2009 and AS/NZS 1716-2012 in the positive pressure mode with emergency escape provisions. A respiratory protection program that meets AS/NZS 1715-2009 and AS/NZS 1716-2012 requirements must be followed whenever workplace conditions warrant a respirator's use. An approved air purifying respirator with organic vapor cartridge or canister according to AS/NZS 1715-2009 and AS/NZS 1716-2012 may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Users of this product in industrial/OEM applications must use one of the following forms of respiratory protection:
a. AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant supplied-air respirator operated in pressure demand or continuous flow mode and equipped with a tight fitting facepiece
b. AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant air-purifying respirator equipped with a full facepiece and organic gas/vapor cartridges
c. AS/NZS 1715-2009 and AS/NZS 1716-2012 compliant powered air-purifying respirator equipped with a full facepeice and organic gas/vapor cartridges.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Engineering Measures for Combustible Dust: No Information

9. Physical and Chemical Properties

Appearance:	Liquid	**Physical State:**	Liquid
Odor:	Mild	**Odor Threshold:**	N.E.
Specific Gravity:	1.017	**pH:**	5.0-6.5
Freeze Point, °C:	N.D.	**Viscosity:**	N.D.
Solubility in Water:	Slight	**Partition Coefficient, n-octanol/ water:**	N.D.
Decomposition Temp., °C:	N.D.		
Boiling Range, °C:	100 - 537	**Explosive Limits, vol%:**	1.3 - 9.0
Flammability:	Does not Support Combustion	**Flash Point, °C:**	94
Evaporation Rate:	Slower than Ether	**Auto-Ignition Temp., °C:**	N.D.
Vapor Density:	Heavier than Air	**Vapor Pressure:**	N.D.

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

Conditions to Avoid: Avoid excess heat. Keep from freezing.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

11. Toxicological Information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. Routine handling and application does not require use of respiratory protection; however, if air monitoring demonstrates vapor, mist, or dust levels above applicable limits, wear an appropriate, properly fitted respirator (meets AS/NZS 1715-2009 and AS/NZS 1716-2012 requirements) during handling and application. Follow respirator manufacturer's directions for respirator use.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
5131-66-8	Propylene Glycol Monobutyl Ether	1900 mg/kg Rat	>2000 mg/kg Rat	N.E.

N.E. - Not Established

12. Ecological Information

ECOLOGICAL INFORMATION: No ecotoxicity data was found for this product.

TOXICITY: The acute toxicity effects of this product have not been tested. Data on individual components are tabulated below:

AQUATIC ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Algae	Daphnia/Aquatic	Fish
No hazardous items exist				

N.E. - Not Established

PERSISTENCE AND DEGRADABILITY: The persistence and degradability of this product have not been tested.

BIOACCUMULATIVE POTENTIAL:

Product/ingredient name	Octanol-water par. Coeff (log KOW)	Bio. Conc. Factor (BCF)
Propylene Glycol Monobutyl Ether	1.2	N.I.

MOBILITY IN SOIL: The mobility in soil of this product has not been tested.
OTHER ADVERSE EFFECTS: This product has not been tested for other adverse ecological effects.

13. Disposal Information

DISPOSAL: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not incinerate closed containers.

14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)	ADG
UN Number:	N.A.	N.A.	N.A.	N.A.
Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Hazard Class:	N.A.	N.A.	N.A.	N.A.
Packing Group:	N.A.	N.A.	N.A.	N.A.
Limited Quantity:	No	No	No	No

ADG Hazchem Code: Not Hazardous

15. Regulatory Information

Montreal Protocol

No Montreal Protocol components exist in this product.

Stockholm Convention

No Stockholm Convention components exist in this product.

Rotterdam Convention

No Rotterdam Convention components exist in this product.

MARPOL

No substances listed under the MARPOL regulations exist in this product.

SUSMP

This product contains the following substances classified as poisons as regulated by the Poisons Standard (SUSMP):

Chemical Name	Schedule Number(s)
None	N.A.

Capital Territories Environmental Regulations

No Capital Territory components exist in this product.

16. Other Information

SDS REVISION DATE: 31/08/2023

REASON FOR REVISION: No Information

Legend:
N.A. - Not Applicable N.D. - Not Determined N.E. - Not Established
S.T.E.L. - Short Term Exposure Limit
T.W.A. - Time Weighted Average
W.E.S. - Workplace Exposure Standard
W.H.S. - Work Health and Safety regulation

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.