

Tile, Stone & Grout Sealer

Water Base

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

Test Data

Independent laboratory tests show **Tile, Stone & Grout Sealer** out performs competitive products. Test results are available upon request for staining.

NOTE: For any questions concerning grout-refer to the grout manufacturers specifications. **Tile, Stone & Grout Sealer** will not stop acid etching.

Slip Resistance

Tile, Stone & Grout Sealer increases the static coefficient of friction on all surfaces. **Tile, Stone & Grout Sealer** 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 **Tile, Stone & Grout Sealer** 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 **Tile, Stone & Grout Sealer** using a **Mira Brush** or a clean towel. Apply enough to wet the surface. Be careful not to saturate the open grout joints. Allow **Tile, Stone & Grout Sealer** 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 **Tile, Stone & Grout Sealer** 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 **Tile, Stone & Grout Sealer** 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

Tile, Stone & 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 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, **Tile, Stone & Grout Sealer** will cover between 500 - 1,500 sq.ft. per gallon (45 - 135 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 **Tile, Stone & Grout Sealer** in the original container, properly sealed to avoid contamination and evaporation. Stored at 77° F (25° C), **Tile, Stone & Grout Sealer** 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. **Tile, Stone & Grout Sealer** 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.



Safety Data Sheet

Issue Date 01-May-2012

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name Tile, Stone & Grout Sealer

Other means of identification

SDS # MSC-017

Recommended use of the chemical and restrictions on use

Recommended Use Sealant.

Details of the supplier of the safety data sheet

Supplier Address

Miracle Sealants Company
12318 Lower Azusa Road
Arcadia, CA 91006

Emergency Telephone Number

Company Phone Number 1-626-443-6433 (Phone)
1-626-443-1435 (Fax)

Emergency Telephone (24 hr)

For product spills, leaks or exposures call:
Infotrac 1-800-535-5053 (North America) or 1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Milky white liquid **Physical State** Liquid **Odor** Slight odor

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Unknown Acute Toxicity

2.5% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
1-Butoxy-2-propanol	5131-66-8	Proprietary

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off immediately with soap and plenty of water.
Inhalation	Remove to fresh air. Artificial respiration and/or oxygen may be necessary. Call a physician.
Ingestion	Drink a quart of water. Induce vomiting, but only if victim is fully conscious. Seek medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	May cause mild skin and eye irritation. May cause nausea, vomiting and/or diarrhea if ingested. Gross over-inhalation may cause symptoms such as but not limited to coughing.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. May also aggravate pre-existing lung disorders.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Dry chemical. Carbon dioxide (CO₂). Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Non-combustible. Non-flammable.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂). Hydrogen fluoride.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
Environmental Precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Observe precautions from other sections of this data sheet. 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.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from sunlight. Protect from freezing. Keep out of the reach of children.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Splash proof chemical safety goggles.

Skin and Body Protection Protective gloves: Plastic or rubber, chemical resistant
Protective clothing or equipment: Chemical resistant clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2).

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Work hygienic practices: Wash hands thoroughly before handling foodstuffs, 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight odor
Appearance	Milky white liquid	Odor Threshold	Not determined
Color	Milky white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4-6	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	None	TOC
Evaporation Rate	< 1	(Ether = 1)
Flammability (Solid, Gas)	Liquid-not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	

Vapor Pressure	<1	@ 68°F (20 ° C)
Vapor Density	>1	(Air=1)
Specific Gravity	1.10	(1=Water)
Water Solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	VOC<65 g/l (EPA Calculation)	
	VOC<16 g/l (Low Solids Calculation)	
	VOC exempt components: 90% (Water & Solids)	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO2). Hydrogen fluoride.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes. Skin
Contact	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
1-Butoxy-2-propanol 5131-66-8	= 5660 µL/kg (Rat)	= 3100 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity 2.5% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA

All ingredients are listed or exempt from listing on Chemical Substance Inventory

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

NFPA

Health Hazards

1

Flammability

0

Instability

0

Special Hazards Not determined

HMIS

Health Hazards

Not determined

Flammability

Not determined

Physical Hazards

Not determined

Personal Protection Not determined

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Revision Note

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet