

Grout Sealer

Water & Stain Protection For

All Sanded & Non-sanded Grout and Mortar Joints.

Uses

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

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 Pen.

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 and 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 and other heavy dirt and grime use HDAC (Heavy Duty Acidic Cleaner) or Phosphoric Acid Cleaner or Porcelain Ceramic Tile Cleaner following the instructions carefully. If an additional non acid deep cleaning is necessary use Liquid Powlitce 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, Tile & Stone Cleaner 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 (25° 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

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. 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.**

1. IDENTIFICATION

Product Identifier	
Product Name	Grout Sealer
Other means of identification	
SDS #	MSC-038
Product Code	OMB No. 1218-0072
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
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3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical Name	CAS No	Weight-%
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1-Butoxy-2-propanol	5131-66-8	Proprietary
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If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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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.
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Skin Contact	Wash off immediately with soap and plenty of water.
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Inhalation	Remove to fresh air. Artificial respiration and/or oxygen may be necessary. Call a physician.
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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.
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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

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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.

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
Appearance	Milky white liquid

Odor	Slight odor
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Color	Milky white
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Odor Threshold	Not determined
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<u>Property</u>	<u>Values</u>

Remarks • Method

pH	4-6
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Melting Point/Freezing Point	Not determined

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Boiling Point/Boiling Range	100 °C / 212 °F

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Flash Point	None

	TOC
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Evaporation Rate	< 1

	(Ether = 1)
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Flammability (Solid, Gas)	Liquid-not applicable

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Upper Flammability Limits	Not determined

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Lower Flammability Limit	Not determined

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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
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Kinematic Viscosity	Not determined
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Dynamic Viscosity	Not determined
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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.
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Chemical Stability	Stable under recommended storage conditions.
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Possibility of Hazardous Reactions	None under normal processing.
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Hazardous Polymerization	Hazardous polymerization does not occur.
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Conditions to Avoid	Keep out of reach of children.
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Incompatible Materials	None known based on information supplied.
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Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO ₂). Hydrogen fluoride.
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11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	
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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
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

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

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NFPA				
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		Health Hazards		
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		Flammability		
		0		

		Instability		
		0		

	Special Hazards Not determined	
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HMIS		
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	Health Hazards Not determined	
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	Flammability Not determined	
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	Physical Hazards Not determined	
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	Personal Protection Not determined	
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Issue Date:	01-Nov-2013	
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Revision Date:	24-Jul-2014	
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Revision Note:	New format	
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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