

Miracle Grout Shield - New/Improved

Stain Resistant Grout Additive



www.miraclegroutshield.com

FEATURES

- Protects Grout from Staining
- Mixes with Grout in Place of Water
- Limited Lifetime Warranty

DESCRIPTION

Miracle Grout Shield - New/Improved is a specialty sealer additive that mixes with cement-based grout instead of water to provide a stain resistant grout installation without any additional sealing. Perfect for interior and exterior use.

Coverage

Follow grout manufacturer's published coverage.

Packaging

GROUT	TYPE	GROUT SHIELD AMOUNT
7 lb. Box	Sanded	24 oz.
10 lb. Bag	Sanded	24 oz. + 2 - 10 oz. Water
10 lb. Bag	Non-Sanded	48 oz.
25 lb. Bag	Sanded	70 oz.

Storage

Store in a cool, dry location. Do not store in direct sunlight. Do not use product if it has been frozen.

Shelf Life

If unopened, 12 months from the date of manufacture. Once opened, store any unused product in a sealed container and use within 6 months.

Special Notes

When using Miracle Grout Shield - New/Improved stain resistant grout additive, grout doesn't need to be sealed. If tile or stone needs to be sealed, do so before grouting with Miracle Sealants 511 Impregnator or 511 Porous Plus (compatible with Miracle Grout Shield - New/Improved) as your grout release. Avoid applying sealer to tile/stone edges as this may interfere with proper grout bond. If enhancing tile and/or grout, use Miracle Sealants Seal & Enhance as your grout release. Do not use Miracle Grout Shield - New/Improved additive with grouts that already claim stain resistance, or with liquid, ready-to-use or epoxy grouts. Certain tile surfaces, including glazed ceramic tile, marble, stone and agglomerate tile can be scratched, stained or damaged when grouted with sanded/colored grout.

Follow tile manufacturer/fabricator recommendations and test a small area prior to use to determine suitability. Not recommended for installations where chemical resistance is required. Never mix Miracle Grout Shield - New/Improved additive with latex additive or any other additives.

Cautions

Wear safety glasses when handling this product. Wear chemically resistant gloves to prevent prolonged or repeated contact.

FIRST AID: If swallowed: Do not induce vomiting. Seek medical attention if symptoms develop. Skin Contact: Wash with soap and water. Eye Contact: Flush with water for 20 minutes. If vapors inhaled: Move to fresh air. Seek medical attention if symptoms develop.

KEEP OUT OF REACH OF CHILDREN

If product is damaged during transportation contact Info Trac at (800) 535-5053.

Technical Data

Physical Properties

Weight	8.74 lbs per gallon
Color	Milky white
Odor	Mild
Ionic Activity	Mildly Cationic
Physical Form	Liquid
Freezing Point	32 degrees F
Flash Point	None measured
Packaging	24 and 70 oz. containers
Solids	10 - 13%
*Shelf Life	6 - 12 months

*Depending on such things as, but not limited to, storage conditions, transportation, handling and end user formulation technology.

INSTALLATION INSTRUCTIONS

Surface Prep

For surface preparation, refer to grout manufacturer's instructions.

Mixing

Shake well before using.

Start by pouring approximately 3 quarters of the full container of the Miracle Grout Shield New & Improved additive into a clean mixing bucket. Slowly add the entire bag of grout and thoroughly mix by hand or with a slow speed drill mixer used at the lowest RPM setting (**Do not exceed 200rpm**). Mix until all grout has been uniformly wetted into a paste and no dry grout remains in the mixture. **DO NOT OVERMIX**. Let sit in mixing bucket for 10 minutes and then mix

again. Follow grout manufacturer's instructions to install grout. In order to maintain color consistency across an entire installation, use the same liquid to grout proportions when using multiple containers for the same job.

Inspect and rework grout joints if necessary during final cleaning. (Between 45 - 60 minutes).

Note: Some tile professionals may desire a particular grout consistency. In this case, once the recommended Miracle Grout Shield - New/Improved has been used, up to 2 ounces of clean cool water can be added at a time until the desired consistency is achieved.

For interior and exterior use.

Clean Up

Follow cleanup process as specified by grout manufacturer.

Allow a minimum of 10 days to cure or per grout

manufacturer's instructions, whichever is longer, before starting routine cleaning (such as mopping).

Protection

Protect the finished installation from traffic or impact for at least 24 hours

Finished installation should be free from traffic and impact for at least 24 hours, from water immersion or freezing for 10 days or per grout manufacturer's instructions, whichever is longer. No need to seal grout. Clean up spills immediately upon occurrence. Do not use liquid abrasives. If a stain remains after initial cleanup, follow the recommended cleaning procedures provided at www.miraclegroutshield.com or call 800 350-1901 Extension 3013 for technical support.

Product Damage

If product is damaged during transportation contact

Info Trac @ 1-800-535-5053

LIFETIME LIMITED WARRANTY

Miracle Sealants Company (MSC) offers a lifetime limited warranty on this product when installed in accordance with MSC printed specifications and applicable industry standards and building codes. MSC warrants to the original owner that the product will be free from manufacturing defects, will resist stains and will not deteriorate under normal use for the life of the grout. This lifetime limited warranty does not cover normal wear and tear of the product, nor does it eliminate the need for routine maintenance and cleaning. This lifetime limited warranty covers the Miracle Grout Shield - New/Improved product only and excludes all claims related to grout defects and/or grout installation errors, as well as claims related to the tile or stone.

For any valid Miracle Grout Shield - New/Improved additive claim, MSC will, at its option, replace the Miracle Grout Shield - New/Improved additive or refund the purchase price for the Miracle Grout Shield - New/Improved additive.

EXCLUSIONS TO LIMITED WARRANTY: MSC is not responsible for structural failure, misuse of product or workmanship not in accordance with manufacturer's instructions and applicable industry standards and building codes. MSC is also not responsible for damage caused by heavy use and/or traffic, abusive conditions or accidents, including, but not limited to, scratching and scuffing. **ALL OTHER WARRANTIES DISCLAIMED. THE WARRANTY STATED ABOVE IS IN PLACE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED TO THE EXTENT OF THE LAW. MSC EXPRESSLY DISCLAIMS OR LIMITS ALL OTHER WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

LIMITATION OF REMEDIES: THE REFUND/REPLACEMENT REMEDY STATED IN THIS WARRANTY IS THE ONLY REMEDY AGAINST MSC AVAILABLE TO OWNER OR TO ANY OTHER PARTY. IN NO EVENT WILL MSC BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) ARISING OUT OF OR CONNECTED TO THE PRODUCT(S), NOR PAY DAMAGES IN ANY AMOUNT EXCEEDING THE ORIGINAL PRICE OF THE PRODUCT(S) SHOWN TO BE DEFECTIVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

WARRANTY CLAIMS: Owner shall notify MSC, in writing, within 15 days of the discovery of the alleged defect or stain. Mail written claim along with proof of purchase to the following address:

Miracle Sealants Company 12318 Lower Azusa Road, Arcadia, CA 91006

Attn: Technical Support

MAINTENANCE

Miracle Grout Shield - New/Improved stain resistant grout additive repels dirt and resists stains. However, routine cleaning using a PH neutral cleaner such as liquid dishwashing soap for everyday cleaning is recommended. For grease and soap scum, use an alkaline cleaner. For hard water deposits and other inorganic stains, use an acid based cleaner. Some floor cleaning processes such as damp mopping can deposit dirt residue in the grout joint. It is recommended that mop water is removed from the grout surface as well as the tile before it dries.

Technical Assistance: 1-800-350-1901 or visit www.miraclegroutshield.com



Safety Data Sheet

Issue Date: 10-Oct-2010

Revision Date: 22-Sept-2014

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Grout Shield

Other means of identification

SDS # MSC-013

Product Code OMB No. 1218-0072

Recommended use of the chemical and restrictions on use

Recommended Use Stain Resistant Grout Additive.

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)

24 Hour Emergency Phone Number 1-800-350-1901

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 Mild

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.

3. COMPOSITION/INFORMATION ON

This product is not hazardous according to OSHA 29 CFR 1910.1200. Components not listed are not hazardous or are below reportable limits.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Flush immediately with clean, free-flowing water for 15 minutes. Consult a physician if irritation persists.
Skin Contact	Remove wet clothing and launder before re-use. Wash thoroughly with soap and water affected area.
Inhalation	Remove person to fresh air. If not breathing, administer artificial respiration including oxygen. Provide medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out mouth with clean water. Get medical attention.

Most important symptoms and effects

Symptoms	EYES: Mild eye irritant. Direct contact with the solution may cause slight iridal and conjunctival irritation. No permanent damage is anticipated. SKIN: Can be mildly irritating upon prolonged exposure (liquid stage only). INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. INHALATION: Gross over-inhalation may cause symptoms such as, but not limited to, coughing. May aggravate pre-existing lung disorders.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water, CO2, Dry Chemical, Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is not flammable or combustible.

Hazardous Combustion Products Carbon oxides.

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.

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 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. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Keep out of the reach of children. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Use only with adequate ventilation. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions 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.

Incompatible Materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No exposure limits noted for ingredient(s)

Appropriate engineering controls

Engineering Controls Local exhaust: Recommended
Mechanical exhaust: General ventilation system should be provided. Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Neoprene rubber is recommended. Apron, coveralls, boots as necessary to prevent skin contact.

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.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	0 °C / 32 °F	
Boiling Point/Boiling Range	> 212 °F / >100 °C	
Flash Point	None (water based solution)	TOC
Evaporation Rate	1	(Ether = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	< 1	@ 68°F (20 ° C)
Vapor Density	> 1	(Air=1)
Specific Gravity	1.05	(1=Water)
Water Solubility	Miscible 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	
VOC Content	Less than or equal to 1g/L	
Oxidizing Properties	Not determined	

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.

Hazardous Decomposition Products

Thermal decomposition can produce CO₂, CO, ammonia, oxides of nitrogen and possible traces of HF.

11. TOXICOLOGICAL

Information on likely routes of exposure

Product Information

Eye Contact	Direct contact with eyes may cause temporary irritation.
Skin Contact	May cause temporary irritation on skin contact.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium formate 544-17-2	= 2650 mg/kg (Rat)	-	-

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

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Calcium formate 544-17-2		1000: 96 h Brachydanio rerio mg/L LC50 static		

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 311/312 Hazard Categories

This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)

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

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

NEPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	None
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

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 Revision Note: Added VOC

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