

511 Seal & Enhance

Impregnating Color Enhancer

Ready to Use "One Step" Solvent Base Penetrating/Color Enhancer for All Honed, Textured and Polished Stone & Tile Surfaces Including:

- Granite
- Marble
- Natural Stone
- Slate
- Limestone
- Quarry Tile
- Grout
- Not for Concrete/Masonry

Special Features

- Superior Stain Protection
- Superior Color Enhancement
- Oil Resistant
- Water Resistant
- One Product, One Step
- Durable
- Easy-to-Use
- Grout Release
- Interior & Exterior Applications
- Non Yellowing
- Color Enhancing Grout Sealer
- Revives Color to Washed Out Grout

Product Description

KEEP OUT OF REACH OF CHILDREN. **511 Seal & Enhance** is a unique, one-step formula designed for maximum stain protection and superior color enhancement. It will enhance the color of tumbled, honed, acid-washed, saandblasted, flamed, textured and polished natural stone, brick, grout & clay pavers. **511 Seal & Enhance** can also be used on new installations as a grout release before the grouting process.

Sample Testing

Due to variations between substrates, sample testing is recommended to assure maximum performance and suitability for the intended use. Once enhanced, stone cannot be restored to its original color. **Users must determine the suitability of the product for their intended use.**

NEW INSTALLATIONS

Read entire label and PDS/MSDS before using. **511 Seal & Enhance** should not be diluted or thinned in any way. **511 Seal & Enhance** should be used as directed from approved container.

Follow the recommended installation methods and procedures of the Marble Institute of America, Building Stone Institute and the Tile Council of America. Allow new setting materials and grout to cure per manufacturers instructions prior to sealing.

Sealing as a Grout Release

To insure the best possible installation, **511 Seal & Enhance** should be applied as a grout release before the grouting process. **511 Seal & Enhance** will resist dye absorption, facilitate grout residue removal (up to 45% faster), and offer superior stain resistance during and after the construction process.

Directions

1. Protect neighboring and adjacent surfaces including baseboards, wood, carpet, metal and landscaping.
2. Sweep or vacuum all dust, dirt and surface debris.
3. Insure the surface is clean, dry and free from contaminants.
4. Liberally apply an even application of **511 Seal & Enhance** using a **Miracle Sealants' Mira Brush**, clean white towel or natural fiber paint brush. Be careful not to allow sealants into open un-grouted joints.
5. Allow **511 Seal & Enhance** to penetrate the surface for 3 - 5 minutes before removing all excess product before it dries on the surface with a clean towel.
6. A 2nd application is necessary and should be applied after the first has dried at least 1 hour.

7. Any excess product residue that may dry on the surface can be removed by reapplying product and wiping excess off immediately while wet, with a white terry cloth towel. Allow to cure 6 - 12 hours before grouting.
8. Proceed with the grouting process per the manufacturer's instructions.
9. Clean all excess grout completely from the surface with a clean sponge and water. Take the time at this stage of the installation to carefully clean and detail.
10. Allow grout joints to dry per manufacturers specification.
11. If grout clean up is not performed effectively, additional cleaning may be necessary.

Grout Sealing

Once the grout has cured per the manufacturers recommendations, proceed with the sealing of the grout.

Directions

1. Insure that the surface is clean, dry and free from contaminants.
2. Liberally apply an even application of **511 Seal & Enhance** using a **Miracle Sealants' Mira Brush**, clean white towel or a natural fiber paint brush directly to untreated grout joints.
3. Allow **511 Seal & Enhance** to penetrate the surface for 3 - 5 minutes before removing all excess product with a clean towel.
12. A 2nd application is necessary and should be applied after the first has dried at least 1 hour.
13. Any excess product residue that may dry on the surface can be removed by reapplying product and wiping excess off immediately while wet, with a white terry cloth towel. Allow to cure 6 - 12 hours before grouting.

Finished area should be allowed to cure for 12 - 24 hours before putting into service. For optimum results keep area dry and free from stains for 72 hours after application.

EXISTING INSTALLATIONS

Surface must be dry and free of contaminants including previously applied sealers, coatings, waxes, dirt, lime & hard water deposits, efflorescence, rust and other heavy dirt and grime.

Floor Finish Removal

To remove existing floor finish and/or waxes use **Mira Strip** for solvent base finish and **Finish Sealer Stripper** for water base finish as directed.

Heavy Duty Cleaning

To remove lime, hard water deposits, efflorescence rust and other heavy dirt and grime use **HDAC (Heavy Duty Acidic Cleaner)** "Stronger" or **Phosphoric Acid Cleaner** "Mild-Strong" as directed. These acid cleaners can affect the surface finish of acid sensitive stone and tile. For acid sensitive stone or tile use **Liquid Poulitce** as directed.

Slip Resistance

511 Seal & Enhance increases the static coefficient of friction on all surfaces. **511 Seal & Enhance** has been used successfully for compliance with the American Disability Act's recommendations for slip resistance (ASTM C 1028-89) on polished & honed surfaces.

Protect Neighboring Surfaces

Always protect neighboring surfaces including wood, carpet, metal, landscaping and other non masonry surfaces.

Light Cleaning

For light cleaning use **Tile & Stone Cleaner** as directed.

Sealing (Surface & Grout)

Follow the application instructions previously mentioned, except now seal grout joints at the same time as the rest of the stone or tile surface. When treating the surface and grout at the same time make sure to saturate the grout with **511 Seal & Enhance**. Do not allow **511 Seal & Enhance** to puddle on the surface.

Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution is left on the surface and application methods. Used as directed, **511 Seal & Enhance** will cover approximately 250 - 2,000 square feet per gallon (25 - 200 square meters per 3.785 liters).

RESEALING

Resealing will vary depending on porosity, density, hardness, foot traffic and the elements (indoor or outdoor) the area is exposed to. As a general rule, medium to dense surfaces exposed to heavy foot traffic can be resealed every 1 - 3 years. Very hard surfaces exposed to heavy foot traffic can be resealed every 3 - 5 years. It is important to remember that any additional or future applications of **511 Sealants** will require approximately half the amount of sealant as originally used.

Storage

Store **511 Seal & Enhance** in the original container, properly sealed to avoid contamination and evaporation. When store in the upright position at 77° F (25° C), **511 Seal & Enhance** will have a shelf life of 12 months. Do not allow to freeze.

Technical Support

For additional technical support, contact Miracle Sealants Company @ 1-800-350-1901 or 626-443-6433 ext. 3013. Monday – Friday from 6:30 am – 5:00 pm PT.

Office Hours

Monday – Friday from 8:30 am – 5:00 pm PT.
1-626-443-6433 • 1-800-350-1901 Fax: 1-626-443-1435

Website

www.miraclesealants.com

Product Damage

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, cleaners, 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 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

511 Seal & Enhance contains combustible petroleum distillates. All solvents must be considered toxic and must be used 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. Gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. Refer to the MSDS for additional information.



Safety Data Sheet

Issue Date: 19-Mar-2015

Revision Date: 20-Mar-2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name 511 Seal & Enhance

Other means of identification

SDS # MSC-039

Recommended use of the chemical and restrictions on use

Recommended Use Ready to Use "One Step" Solvent Base Penetrating/Color Enhancer for All Honed, Textured and Polished Stone & Tile Surfaces Including: Granite, Marble, Natural Stone, Slate, Limestone, Quarry Tile, Grout, Not for Concrete/Masonry.

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 Clear, Colorless to amber
Liquid

Physical State Liquid

Classification

Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable Liquids	Category 4

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Signal Word

Danger

Hazard Statements

Harmful if inhaled
 Causes skin irritation
 Causes serious eye irritation
 Causes damage to organs through prolonged or repeated exposure
 May be fatal if swallowed and enters airways
 Combustible liquid

**Precautionary Statements - Prevention**

Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Do not breathe dust/fume/gas/mist/vapors/spray
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Precautionary Statements - Response

Get medical advice/attention if you feel unwell
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 Take off contaminated clothing and wash it before reuse
 If skin irritation occurs: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a poison center or doctor/physician if you feel unwell
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do not induce vomiting
 IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Petroleum Distillate	64742-88-7	40-50
Silicone	34396-03-7	20-30
Decamethylcyclopentasiloxane	541-02-6	10-15
3-aminopropyltriethoxysilane	919-30-2	1-5

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.

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	Wash off with soap and clean water for 15 minutes. If irritation persists call a physician.
Inhalation	Remove person to fresh air. If not breathing, administer artificial respiration including oxygen. Provide medical attention.
Ingestion	Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

Most important symptoms and effects

Symptoms	May cause eye and skin irritation. Will cause gastrointestinal tract irritation. May cause drowsiness or dizziness. Aspiration may occur during swallowing or vomiting and cause lung damage.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Medical conditions generally aggravated by exposure- same as signs and symptoms of over exposure.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, water spray or fog. Dry chemical powder, CO₂, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is combustible & may ignite if exposed to high temperature or direct flame.

Hazardous Combustion Products Burning can produce the following combustion products: Oxides of carbon, Oxides of nitrogen, Oxides of silicone, and Traces of 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. Carbon monoxide is highly toxic if inhaled; carbon dioxide is sufficient concentrations can act as a asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions	See Section 12 for additional Ecological 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	Steps to be taken in case material is released or spilled: soak up with inert absorbent material. Scoop up and place in a proper waste disposal container. 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. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protection recommended in Section 8. Keep out of the reach of children. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. 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. Store locked up.
Incompatible Materials	Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³

Appropriate engineering controls

Engineering Controls	Local exhaust: Recommended Mechanical exhaust: General ventilation system should be provided.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Tight fitting, splash proof safety goggles.
Skin and Body Protection	Protective gloves: Plastic or rubber, chemical resistant Protective clothing or equipment: Chemical resistant clothing.
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 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

<p>Physical State Appearance Color</p>	<p>Liquid Clear, Colorless to amber Liquid Clear, Colorless to amber</p>	<p>Odor Odor Threshold</p>	<p>Not determined Not determined</p>
<p>Property pH Melting Point/Freezing Point Boiling Point/Boiling Range Flash Point Evaporation Rate Flammability (Solid, Gas) Upper Flammability Limits Lower Flammability Limit Vapor Pressure Vapor Density Specific Gravity Water Solubility Solubility in other solvents Partition Coefficient Auto-ignition Temperature Decomposition Temperature Kinematic Viscosity Dynamic Viscosity Explosive Properties Oxidizing Properties VOC Content (%) VOC Content</p>	<p>Values Not applicable Not determined > 392 °F / >200 °C 62.77 °C / 145 °F <1 Not determined Not tested Not tested Not determined Heavier than air 1.25 None Not determined Not determined Not determined Not determined Not determined Not determined Not determined Not determined 60-70 591 g/L</p>	<p>Remarks • Method</p> <p>Pensky-Martens Closed Cup (PMCC) (ASTM D-93) (Water = 1)</p> <p>(Air=1) (1=Water)</p>	

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

Extreme heat and open flames.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

Burning can produce the following combustion products: Oxides of carbon, Oxides of nitrogen, Oxides of silicone, and Traces of Hydrogen Fluoride.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Inhalation	May cause drowsiness or dizziness. Harmful if inhaled.
Ingestion	Potential for aspiration if swallowed. May cause irritation of gastrointestinal tract.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum Distillate 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Decamethylcyclopentasiloxane 541-02-6	> 24134 mg/kg (Rat)	> 16 mL/kg (Rabbit)	-
3-aminopropyltriethoxysilane 919-30-2	= 1780 mg/kg (Rat)	= 4 mL/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 Based on the information provided, 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

Harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum Distillate 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static		100: 48 h Daphnia magna mg/L EC50

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**

DOT Ground: Combustible liquids are not regulated in non-bulk shipments per 49 CFR 173.150(f)(2).

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum Distillate	Present	X		Present		Present	X	Present	X	X
Silicone	Present	X		Present			X	Present	X	X
Stoddard solvent	Present	X		Present		Present	X	Present	X	X
Decamethylcyclopentasiloxane	Present	X		Present		Present	X	Present	X	X
3-aminopropyltriethoxysilane	Present	X		Present		Present	X	Present	X	X

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**AICS - Australian Inventory of 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

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Petroleum Distillate 64742-88-7	X		
Stoddard solvent 8052-41-3	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	2	0	None
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	2	0	Not determined

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Revision Date: 20-Mar-2015
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