

511 Anti-Slip Formula

Slip Protection For

■ Granite	■ Marble	■ Limestone
■ Travertine	■ Natural Stone	■ Concrete
■ Ceramic Tile	■ Grout	■ Glazed Tile
■ Porcelain Tile	■ Slate	■ Terrazzo
■ Quarry Tile		

Uses

■ Kitchens	■ Bathrooms	■ Showers
■ Health	■ Driveways	■ Patios
■ Garages	■ Restaurants	■ Hotels
■ Commercial Buildings		

511 Anti-Slip is a professional grade penetrating sealer designed for the slip-protection of all ceramic tile, porcelain tile, polished marble, polished granite, concrete, masonry and other acid sensitive surfaces. **511 Anti-Slip** forms an invisible barrier that increases static coefficient of friction of whatever it is applied to while also offering resistance to moisture and stains and allowing total vapor to escape. **511 Anti-Slip** is not a surface coating and will not alter the natural look. All surfaces treated are harder and less slippery. **511 Anti-Slip** can be used on interior and exterior applications.

Re-application is necessary every 3 - 12 months depending on the surface and the location with respect to day to day traffic and wear and tear of the flooring surface.

Walking is the transfer of body weight from one foot to another. If the person walking weighs 160 lbs. then for a few seconds that foot is on the tile, you are placing that amount of weight onto the surface. Fingers or an empty shoe cannot duplicate the weight transfer and does not give a satisfactory result.

Special Features:

■ Interior & Exterior Use	■ Slip Resistant	■ Stain Resistant
■ Easy to Use	■ Retains Natural Color and Look	
■ Weather Resistant	■ One Product = Multiple Uses	
■ Easy-to-Use	■ OK for Food Areas	

Test Data

Laboratory tests for **511 Anti-Slip** are available upon request.

Sample Testing

Due to the variations between substrates, sample testing is recommended to assure maximum performance and suitability for the intended use. Several inconspicuous test patches should be completed. Minimal shading may occur. User must determine the suitability of the product for their intended use.

Important: Read entire label and PDS/MSDS before using at miraclesealants.com. Use directly from container. Do NOT – under any circumstances – thin or dilute. Protect exposed surfaces including wood, carpet, metal & landscaping. Use Miracle Sealants Cleaning Products to assure the surface is clean and prepared for application and ongoing care and maintenance.

DIRECTIONS

- 1) Apply **511 Anti-Slip** evenly to surface until damp using a Miracle Sealants Applicator, clean white towel, micro fiber, paint roller or paint type brush.
- 2) Leave on the surface for 3 - 5 minutes for maximum penetration before removing all excess product with a clean white towel, micro fiber or carpet bonnet before it dries. Any excess product "residue" that dries on the surface can be removed by re-applying **511 Anti-Slip**, wetting the surface and immediately wiping off excess immediately while wet. A second application is necessary allow at least 2 - 4 hours before applying. Allow 24 - 72 hours to fully cure.
- 3) Re-application is necessary every 6 - 12 months depending on the surface and the location with respect to day to day foot traffic and wear and tear on the flooring surface.

For maximum stain protection apply one of **Miracle's Impregnator/Penetrating Sealers** before applying **511 Anti-Slip**.

511 Anti-Slip is suitable for use on natural stone surfaces both interior and exterior.

Coverage

Coverage will vary depending on the substrate and the application techniques. Under normal conditions **511 Anti-Slip** should cover approximately 100 – 750 square feet per quart (9 – 68 square meters per 946 mL).

Caution

Contains combustible petroleum distillates. Potentially toxic. Use in a well-ventilated area. Keep away from heat and open flames. Avoid inhalation and prolonged contact with skin. Gloves must be worn at all times. Store in upright position and do not allow to freeze. KEEP OUT OF REACH OF CHILDREN AND PETS.

Suggested First Aid

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. **Swallowed:** Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person. **Skin Contact:** Wash with soap and water. Get medical attention if irritation persists. **Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

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

Warranty

Satisfaction guaranteed up to 20 years from the date of original purchase. For complete warranty information visit miraclesealants.com or call 626-443-6433 for assistance.

WARRANTY & CAUTIONS

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

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Safety Data Sheet

Issue Date 01-Feb-2012

Revision Date: 29-Aug-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name 511 Anti-Slip

Other means of identification

SDS # MSC-010

UN/ID No UN1268
Product Code OMB No. 1218-0072

Recommended use of the chemical and restrictions on use

Recommended Use Water, Stain & Slip Protection for: Quarry Tile, Ceramic Tile, Porcelain Tile, Glazed Tile, Marble, Granite, Travertine, Slate, Grout, Quartz, Brick, Terrazzo.

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

Classification

Acute toxicity - Inhalation (Vapors)	Category 3
Aspiration toxicity	Category 1
Flammable Liquids	Category 3

Signal Word

Danger

Hazard Statements

Toxic if inhaled
May be fatal if swallowed and enters airways
Flammable liquid and vapor

**Appearance** Clear, colorless liquid**Physical State** Liquid**Odor** Aromatic**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection
Keep cool

Precautionary Statements - Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Get medical attention if symptoms persist
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 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 container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Petroleum Distillate	64742-88-7	Proprietary

Product contains a proprietary mixture of ingredients.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Skin Contact	Remove contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation persists.
Inhalation	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention.
Ingestion	If swallowed, do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	Eyes: Causes severe eye irritation Skin: Causes mild skin irritation, drying of the skin. May cause an allergic skin reaction. Ingestion: Harmful if swallowed. Causes vomiting, nausea and diarrhea. Inhalation: Excessive inhalation causes headache, dizziness, nausea and incoordination. Harmful if inhaled. Medical conditions aggravated: Respiratory, pulmonary, liver and kidney disorders. Central nervous systems disorders. Gastrointestinal disorders.
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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

Dry chemical, CO2, water fog.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is flammable. Heat will cause phosgene gas.

Sensitivity to Static Discharge Take precautionary measures against static discharge.

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. Cool exposed containers with water to prevent rupturing.

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. Ventilate affected area.
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: wipe, scrape or soak up in an inert material and put in a container for disposal. Use clean non-sparking tools to collect absorbed material. 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. Use personal protection recommended in Section 8. Keep out of the reach of children. Wash face, hands, and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Avoid breathing vapors or mists. Use only with adequate ventilation. Keep container tightly closed. Ground container and transfer equipment to eliminate static electric sparks. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Keep cool.
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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. Precautions to be taken in handling and storing: use a ground strap. Store upright in a cool place below 77° F (25° C). Keep out of the reach of children. Store locked up.
Incompatible Materials	Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Exposure Guidelines</u>	The following information is given as general guidance
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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

Physical State	Liquid	Odor	Aromatic
Appearance	Clear, colorless liquid	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Neutral	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	355-395 °F / 179.44-201.66 °C	
Flash Point	51.66 °C / 125 °F	PCC
Evaporation Rate	<0.1	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	7%	
Lower Flammability Limit	1%	
Vapor Pressure	5 mmHg	@ 20 C
Vapor Density	5.3	(Air=1)
Specific Gravity	0.80	
Water Solubility	insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition 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	Less than or equal to 742 g/L	
Density	798 Kg/M3	

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 away from sources of ignition such as heat, sparks or open flames.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, silicone dioxide, fumes of xylene, aromatic and aliphatic hydrocarbons.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Eye Contact	Irritating to eyes.
Skin Contact	May be harmful in contact with skin.
Inhalation	Toxic if inhaled.
Ingestion	May be fatal if swallowed and enters airways. 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

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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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.
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Legend

Aspiration hazard	May be fatal if swallowed and enters airways.
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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
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**

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

DOT

UN/ID No	UN1268
Proper Shipping Name	Petroleum distillates, n.o.s.
Hazard Class	3
Packing Group	III

IATA

UN/ID No	UN1268
Proper Shipping Name	Petroleum distillates, n.o.s.
Hazard Class	3
Packing Group	III

IMDG

UN/ID No	UN1268
Proper Shipping Name	Petroleum distillates, n.o.s.
Hazard Class	3
Packing Group	III

15. REGULATORY INFORMATION**International Inventories****TSCA**

Listed

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - 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**

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

Not determined

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Petroleum Distillate 64742-88-7	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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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