

# 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](http://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

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.



# 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 CO<sub>2</sub>, 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

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

### Most important symptoms and effects

<b>Symptoms</b>	<p>Eyes: Causes severe eye irritation</p> <p>Skin: Causes mild skin irritation, drying of the skin. May cause an allergic skin reaction.</p> <p>Ingestion: Harmful if swallowed. Causes vomiting, nausea and diarrhea.</p> <p>Inhalation: Excessive inhalation causes headache, dizziness, nausea and incoordination. Harmful if inhaled.</p> <p>Medical conditions aggravated: Respiratory, pulmonary, liver and kidney disorders. Central nervous systems disorders. Gastrointestinal disorders.</p>
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	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, CO<sub>2</sub>, 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

<b>Personal Precautions</b>	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.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	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**

<b>Advice on Safe Handling</b>	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**

<b>Storage Conditions</b>	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.
<b>Incompatible Materials</b>	Strong oxidizers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** The following information is given as general guidance

**Appropriate engineering controls**

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

<b>Eye/Face Protection</b>	Tight fitting, splash proof safety goggles.
<b>Skin and Body Protection</b>	Protective gloves: Plastic or rubber, chemical resistant Protective clothing or equipment: Chemical resistant clothing.
<b>Respiratory Protection</b>	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.
<b>General Hygiene Considerations</b>	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

<b>Physical State</b>	Liquid	<b>Odor</b>	Aromatic
<b>Appearance</b>	Clear, colorless liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Colorless		

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

<b>Eye Contact</b>	Irritating to eyes.
<b>Skin Contact</b>	May be harmful in contact with skin.
<b>Inhalation</b>	Toxic if inhaled.
<b>Ingestion</b>	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.

### 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.

#### Legend

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

### 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**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	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**

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

**IATA**

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

**IMDG**

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

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

**TSCA** Listed

**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**



**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**

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

Issue Date	01-Feb-2012
Revision Date:	29-Aug-2013
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**