**511 Anti-Slip Formula**

**Slip Protection For**
- Granite
- Travertine
- Ceramic Tile
- Porcelain Tile
- Quarry Tile

**Uses**
- Kitchens
- Health
- Garages
- 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
- Easy to Use
- Weather Resistant
- Easy-to-Use
- Retains Natural Color and Look
- One Product = Multiple Uses
- 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

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.
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
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillate</td>
<td>64742-88-7</td>
<td>Proprietary</td>
</tr>
</tbody>
</table>

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.

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.

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.

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

Exposure Guidelines
The following information is given as general guidance

Appropriate engineering controls

Engineering Controls
Local exhaust: Recommended
Mechanical exhaust: General ventilation system should be provided.

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 per29 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remark</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Neutral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>355-395 °F / 179.44-201.66 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>51.66 °C / 125 °F</td>
<td>PCC</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>7%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>5 mmHg</td>
<td>@ 20°C</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>5.3</td>
<td>(Air=1)</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>insoluble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
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<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
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</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
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<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>Less than or equal to 742 g/L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>798 Kg/M3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillate 64742-88-7</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>= 3000 mg/kg (Rabbit)</td>
<td>&gt; 5.28 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>

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

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

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

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

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>UN1268</th>
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<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Petroleum distillates, n.o.s.</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>3</td>
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<tr>
<td>Packing Group</td>
<td>III</td>
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IATA

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<th>UN/ID No</th>
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<tr>
<td>Hazard Class</td>
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IMDG

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<tr>
<td>Proper Shipping Name</td>
<td>Petroleum distillates, n.o.s.</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>3</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
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<tbody>
<tr>
<td>Petroleum Distillate</td>
<td>X</td>
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<table>
<thead>
<tr>
<th>16. OTHER INFORMATION</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>0</td>
<td></td>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
<th>Special Hazards</th>
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<tbody>
<tr>
<td>2</td>
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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