


## 1. Product and Company Identification

<b>Product Name</b>	511 Impregnator
<b>Other Product Name(s)</b>	MSC-010R
<b>Product Use</b>	Water, Stain & Slip Protection for: Quarry Tile, Ceramic Tile, Porcelain Tile, Glazed Tile, Marble, Granite, Travertine, Slate, Grout, Quartz, Brick, Terrazzo.
<b>Manufacturer</b>	Miracle Sealants Company 12318 Lower Azusa Road Arcadia, CA 91006 1-626-443-6433 (phone) 1-626-443-1435 (fax)
<b>Emergency Telephone Number</b>	Infotrac 1-800-535-5053 (North America) or 1-352-323-3500 (International)

## 2. Hazards Identification

**Emergency Overview:** A colorless liquid which can irritate the eyes and may cause allergic reactions from repeated dermal contact. Flammable. Harmful if swallowed and hazardous from repeated exposure. Ingestion can present an aspiration hazard.

<b>OSHA Regulatory Status</b>	Hazardous
<b>WHMIS Regulatory Status</b>	Hazardous
<b>OSHA Classification</b>	Serious eye damage/eye irritation: 2 Skin sensitization: 1 Specific target organ toxicity-single exposure: 3 Specific target organ toxicity-repeated exposure: 1 Aspiration hazard: 1 Flammable liquids: 3
<b>OSHA Signal Word</b>	Danger
<b>OSHA Hazard Statements</b>	Flammable liquid and vapor Causes serious eye irritation May be fatal if swallowed and enters airways May cause allergic skin reaction May cause drowsiness or dizziness May cause damage to kidney, liver or central nervous system through prolonged or repeated exposure.
<b>OSHA Precautionary Statements</b>	Keep away from flames and hot surfaces. – No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/ lighting/.../equipment. Use only non-sparking tools. Take precautionary measures against static discharge Wear protective gloves/eye protection/face protection In case of fire, use dry chemical, carbon dioxide, foam or water spray. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin or clothing. Wear protective gloves and safety glasses with side shields. Wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately

	call a physician. IF ON SKIN, wash with plenty of water. Wash contaminated clothing before reuse. Get medical attention for irritation. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF INGESTED: Immediately call a poison control center or doctor. Do not induce vomiting Store in a well-ventilated place. Keep container tightly closed. Dispose of container in accordance with Federal and local regulations.
<b>OSHA Label Symbols</b>	
<b>Other Hazards Not Specified by OSHA</b>	None
<b>Percent unknown toxicity</b>	0%

#### Potential Health Effects:

<b>Skin</b>	May cause irritation from prolonged contact and may cause allergic skin reactions.
<b>Eyes</b>	Can cause irritation
<b>Ingestions</b>	Harmful if swallowed and may induce potentially fatal aspiration of liquid into lungs.
<b>Inhalation</b>	Mists may be irritating.
<b>Chronic Effects</b>	Contains small amounts of ethylbenzene which is carcinogenic. Repeated exposures may central nervous system, kidney, liver effects. May cause developmental effects in pregnant women.

### 3. Composition / Information on Ingredients

Chemical Name	CAS #	Wt. %*
Petroleum distillate	Trade secret	30 – 50
Additives (includes small amounts of ethylbenzene, xylene and toluene)	Trade secret	50 – 70

\* Exact concentrations are trade secret where ranges are used.

### 4. First Aid Measures

<b>Skin</b>	Wash with plenty of water. Wash contaminated clothing before reuse. Get medical attention for irritation or allergic effects
<b>Eyes</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists call a doctor.
<b>Ingestions</b>	Get medical advice/attention for any effect beyond irritation. Do not induce vomiting.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable till irritation subsides.
<b>Advice to Physician</b>	Treat symptomatically.

### 5. Fire Fighting Measures

<b>Extinguishing Media:</b>	Dry chemical, carbon dioxide, foam or water spray. Avoid solid streams of water as these may spread burning liquid.
<b>Fire/Explosion Hazards:</b>	None indicated
<b>Fire Fighting Procedures:</b>	Avoid contact with skin, eyes and clothing. Wear self-contained positive pressure breathing apparatus. Do not discharge fire-fighting liquids into sewers and natural bodies of water.
<b>Flammable Limits:</b>	Not determined
<b>Flash Point</b>	125 ° F (51.6 ° C) Pensky-Martins Closed Cup

<b>Auto ignition Temperature:</b>	Not determined
<b>Hazardous Combustion Products:</b>	Various organics, carbon dioxide, carbon monoxide.

## 6. Accidental Release Measures

<b>Personal Precautions:</b>	Eliminate all sources of ignition. Provide ventilation to area of spill. Wear proper personal protective equipment indicated in Section 8. Avoid contact with liquid.
<b>Containment:</b>	Spilled liquid can be surrounded by absorbent material to prevent spreading spill.
<b>Clean Up:</b>	Use absorbent material (sand, earth, vermiculite) and place into containers for disposal. Do not let spilled liquid contact skin or eyes. Spray area with soap and water. Wash clothing and equipment before reuse.
<b>Notification Requirements:</b>	See section 15 for RQs (if any).

## 7. Handling and Storage

<b>Handling:</b>	Keep away from sources of ignition such as open flames, sparks, static electricity sources, etc. Wear proper personal protective equipment indicated in Section 8. Avoid contact with liquid. Wash hands before eating or drinking.
<b>Storage:</b>	Should be stored in a cool dry location away from any source of ignition. Keep packages tightly closed. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

<b>Engineering Controls:</b>	Use local exhaust for liquid transfer points. General ventilation should be used to maintain concentrations below permissible exposure limits.
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### Personal Protective Equipment:

<b>Eyes and Face:</b>	Wear safety glasses or chemical goggles to avoid accidental eye contact.
<b>Respiratory:</b>	If permissible exposure levels are reached or exceeded, use a NIOSH approved respirator suitable for use with the maximum concentration anticipated.
<b>Hands, Arms, and Body:</b>	Use rubber or neoprene gloves
<b>Other</b>	Safety shower and an eyewash should be available for emergency exposures.

### Exposure Guidelines:

Ingredient	ACGIH TLV®	OSHA PEL	NIOSH REL
Ethyl benzene	20 ppm TWA	100 ppm TWA	100 ppm TWA 125 ppm STEL
Toluene	20 ppm TWA	200 ppm TWA 300 ppm STEL 500 ppm Ceiling	100 ppm TWA 150 ppm STEL
Xylenes	100 ppm TWA 150 ppm STEL	100 ppm TWA	100 ppm TWA 150 ppm STEL

## 9. Physical and Chemical Properties

<b>Appearance &amp; Physical State</b>	Colorless liquid
<b>Odor:</b>	Organic but not specific
<b>Odor Threshold:</b>	Not determined

<b>pH</b>	Not determined - organic
<b>Specific Gravity:</b>	0.8
<b>Initial Boiling Point &amp; Range:</b>	355-395°F (179-202°C)
<b>Melting Point /Freezing Point:</b>	Not determined
<b>Evaporation Rate:</b>	< 1 (vs. water)
<b>Percent Volatile:</b>	Not determined
<b>Solubility in Water</b>	Not soluble in water.
<b>Vapor Density:</b>	5.3
<b>Vapor Pressure:</b>	5 mm Hg
<b>Upper/ Lower Flammable Limits:</b>	7%, 1%
<b>Flash Point</b>	125 ° F (51 ° C) Pensky-Martins Closed Cup
<b>Auto ignition Temperature:</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<b>Octanol/water partition coefficient</b>	Not determined
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Not determined
<b>VOC content</b>	≤ 742 g/L

## 10. Stability and Reactivity

<b>Stability:</b>	Normally stable.
<b>Conditions to Avoid:</b>	Excessive heat
<b>Materials to avoid</b>	Strong oxidizers may ignite product
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Organic materials including oxides of carbo and silicone.

## 11. Toxicological Information

<b>Eye:</b>	Causes irritation
<b>Skin:</b>	May cause irritation from prolonged contact and may cause allergic skin reaction (sensitization)
<b>Oral:</b>	Low toxicity > 2000 mg/kg (calculated). Ingestion may present a potentially fatal aspiration hazard due to the petroleum distillate.
<b>Inhalation:</b>	May cause temporary mild irritation.
<b>Chronic:</b>	Contains small amounts of ethylbenzene a suspect carcinogen. Contains small amounts of toluene which may present a reproductive developmental hazard. Repeated exposures at levels above safe exposure limits or at levels presenting continuous irritation can present central nervous system, kidney and liver effects.

Ingredients found on established carcinogen lists:

<b>Ingredient</b>	<b>NTP Status</b>	<b>IARC Statue</b>	<b>OSHA List</b>
Ethylbenzene	---	2B possibly carcinogenic	---

## 12. Ecological Information

<b>Acute ecotoxicity:</b>	Not determined for mixture but it is advisable to keep out of natural bodies of water such as lakes and streams.
<b>Chronic ecotoxicity:</b>	Not determined
<b>Other Information</b>	Not determined

### 13. Disposal Considerations

<b>RCRA Status</b>	Ignitable hazardous waste. D001
<b>Disposal Method:</b>	Conform to Federal, State and Local regulations. Dispose of in a permitted facility.

### 14. Transportation Considerations

<b>DOT Proper Shipping Name:</b>	Not regulated for transport in non-bulk containers In Bulk: UN1268, Petroleum Distillates, n.o.s., 3, III
<b>DOT Primary Hazard Class</b>	Flammable liquid
<b>DOT UN / NA Number:</b>	UN 1268
<b>DOT Packing Group</b>	III
<b>TDG (Canada)</b>	UN 1268, Petroleum Distillates, n.o.s., 3, III
<b>IMDG (International water)</b>	UN 1268, Petroleum Distillates, n.o.s., 3, III
<b>ICAO (Air transport)</b>	UN 1268, Petroleum Distillates, n.o.s., 3, III

### 15. Regulatory Information

#### UNITED STATES: Toxic Substances Control Act (TSCA)

<b>TSCA Inventory Status:</b>	Ingredients listed on TSCA Chemical Inventory
<b>Other TSCA Issues:</b>	None

#### SARA Title III/CERCLA

Ingredients with "Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs).

<b>Ingredient</b>	<b>SARA/CERCLA RQ (lb.)</b>	<b>SARA EHS TPQ (lb.)</b>
Ethyl benzene	1000	---
Toluene	1000	---
Xylene (mixed isomers)	100	---

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

<b>SARA 311 Hazard Class:</b>	Serious eye damage/eye irritation: 2 Skin sensitization: 1 Specific target organ toxicity-single exposure: 3 Specific target organ toxicity-repeated exposure: 1 Aspiration hazard: 1 Flammable liquids: 3
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#### SARA 313 Toxic Chemicals:

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percent are found in Section 2.

<b>Ingredient</b>	<b>Comment</b>
Ethyl benzene	---
Toluene	---
Xylenes	---

#### State Right-To-Know

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<b>Ingredient</b>	<b>Weight %</b>	<b>Comment</b>
Ethylbenzene	<1	California Proposition 65 carcinogen
Toluene	<1	California Proposition 65 reproductive (developmental) toxin

<b>Additional Regulatory Information:</b>	None presented
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## 16. Other Information

<b>Issue Date:</b>	May 5, 2017
<b>Previous Issue Date:</b>	February 1, 2012
<b>Changes from previous version:</b>	Revision of SDS format and recalculation of hazards profile. All sections of SDS should be read.

### National Fire Protection Assoc. (NFPA) Classification:

4 = Severe; 3 = Serious; 2 = Moderate; 1 = Slight, 0 = Minimal

Health	2
Flammability	2
Reactivity	0

### Hazardous Materials Information Systems (HMIS):

4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant

Health	2
Flammability	2
Physical Hazard	0