


1. Product and Company Identification

Product Name	511 Impregnator
Other Product Name(s)	MSC-010R
Product Use	Water, Stain & Slip Protection for: Quarry Tile, Ceramic Tile, Porcelain Tile, Glazed Tile, Marble, Granite, Travertine, Slate, Grout, Quartz, Brick, Terrazzo.
Manufacturer	Miracle Sealants Company 12318 Lower Azusa Road Arcadia, CA 91006 1-626-443-6433 (phone) 1-626-443-1435 (fax)
Emergency Telephone Number	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.

OSHA Regulatory Status	Hazardous
WHMIS Regulatory Status	Hazardous
OSHA Classification	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
OSHA Signal Word	Danger
OSHA Hazard Statements	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.
OSHA Precautionary Statements	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.
OSHA Label Symbols	
Other Hazards Not Specified by OSHA	None
Percent unknown toxicity	0%

Potential Health Effects:

Skin	May cause irritation from prolonged contact and may cause allergic skin reactions.
Eyes	Can cause irritation
Ingestions	Harmful if swallowed and may induce potentially fatal aspiration of liquid into lungs.
Inhalation	Mists may be irritating.
Chronic Effects	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

Skin	Wash with plenty of water. Wash contaminated clothing before reuse. Get medical attention for irritation or allergic effects
Eyes	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.
Ingestions	Get medical advice/attention for any effect beyond irritation. Do not induce vomiting.
Inhalation	Remove person to fresh air and keep comfortable till irritation subsides.
Advice to Physician	Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media:	Dry chemical, carbon dioxide, foam or water spray. Avoid solid streams of water as these may spread burning liquid.
Fire/Explosion Hazards:	None indicated
Fire Fighting Procedures:	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.
Flammable Limits:	Not determined
Flash Point	125 ° F (51.6 ° C) Pensky-Martins Closed Cup

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

6. Accidental Release Measures

Personal Precautions:	Eliminate all sources of ignition. Provide ventilation to area of spill. Wear proper personal protective equipment indicated in Section 8. Avoid contact with liquid.
Containment:	Spilled liquid can be surrounded by absorbent material to prevent spreading spill.
Clean Up:	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.
Notification Requirements:	See section 15 for RQs (if any).

7. Handling and Storage

Handling:	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.
Storage:	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

Engineering Controls:	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:

Eyes and Face:	Wear safety glasses or chemical goggles to avoid accidental eye contact.
Respiratory:	If permissible exposure levels are reached or exceeded, use a NIOSH approved respirator suitable for use with the maximum concentration anticipated.
Hands, Arms, and Body:	Use rubber or neoprene gloves
Other	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

Appearance & Physical State	Colorless liquid
Odor:	Organic but not specific
Odor Threshold:	Not determined

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

10. Stability and Reactivity

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

11. Toxicological Information

Eye:	Causes irritation
Skin:	May cause irritation from prolonged contact and may cause allergic skin reaction (sensitization)
Oral:	Low toxicity > 2000 mg/kg (calculated). Ingestion may present a potentially fatal aspiration hazard due to the petroleum distillate.
Inhalation:	May cause temporary mild irritation.
Chronic:	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:

Ingredient	NTP Status	IARC Statue	OSHA List
Ethylbenzene	---	2B possibly carcinogenic	---

12. Ecological Information

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

13. Disposal Considerations

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

14. Transportation Considerations

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

15. Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA)

TSCA Inventory Status:	Ingredients listed on TSCA Chemical Inventory
Other TSCA Issues:	None

SARA Title III/CERCLA

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

Ingredient	SARA/CERCLA RQ (lb.)	SARA EHS TPQ (lb.)
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.

SARA 311 Hazard Class:	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.

Ingredient	Comment
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.

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

Additional Regulatory Information:	None presented
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16. Other Information

Issue Date:	May 5, 2017
Previous Issue Date:	February 1, 2012
Changes from previous version:	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