


1. Product and Company Identification

Product Name	Mira Matte
Other Product Name(s)	MSC-012
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 clear colorless flammable liquid which can irritate the skin and eyes. Harmful if swallowed and hazardous from repeated exposure. Ingestion can present an aspiration hazard.

OSHA Regulatory Status	Hazardous
WHMIS Regulatory Status	Hazardous
OSHA Classification	Flammable liquids: 3 Skin corrosion/irritation: 2 Eye damage/irritation: 2A Carcinogen: 1 Germ Cell Mutagenicity: 1B Reproductive toxicity: 2 Specific target organ toxicity-single exposure: 3 Specific target organ toxicity-repeated exposure: 2 Aspiration hazard: 1 For EU use: Aquatic hazards acute and chronic 2
OSHA Signal Word	Danger
OSHA Hazard Statements	Flammable liquid and vapor May be fatal if swallowed and enters airways Causes skin irritation Causes serious eye irritation May cause cancer Suspected of causing genetic effects Suspected of damaging fertility or the unborn child 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.

	<p>Do not handle until all safety precautions have been read and understood.</p> <p>Do not get in eyes, on skin or clothing. Wear protective gloves and safety glasses with side shields. Wash thoroughly after handling.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If irritation persists, call a physician. IF ON SKIN, wash with plenty of water. Wash contaminated clothing before reuse. If irritation develops, call a physician. 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</p> <p>Store in a well-ventilated place. Keep container tightly closed. Dispose of container in accordance with Federal and local regulations.</p>
OSHA Label Symbols	
Other Hazards Not Specified by OSHA	None
Percent unknown toxicity	1.8 %

Potential Health Effects:

Skin	May cause irritation.
Eyes	Can irritate eyes.
Ingestions	Harmful if swallowed and may induce potentially fatal aspiration of liquid into lungs.
Inhalation	Vapors may be irritating.
Chronic Effects	Contains small amounts of benzene and ethylbenzene which are carcinogenic. Contains small amounts of cumene which is a suspect carcinogen. Repeated exposures may central nervous system, kidney, liver effects. Contains toluene cause developmental effects in pregnant women.

3. Composition / Information on Ingredients

Chemical Name	CAS #	Wt. %*
Petroleum distillate	Trade secret	60 – 95
2-Butoxyethanol	111-76-2	1 - 10
Trimethyl benzene (mixed and/or individual isomers)	25551-13-7, 95-63-6, 108-67-8, 526-73-8	1 – 35
Additional and impurities (which may include varying small amounts of benzene, cumene, ethylbenzene, xylene and toluene)	Trade secret	5 – 20

* 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.
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	Immediately call a poison control center or doctor. Do not induce vomiting as this may cause aspiration into the lungs with potentially fatal results.
Inhalation	Remove person to fresh air and keep comfortable till irritation subsides.

Advice to Physician	Treat symptomatically. Be aware of potential chronic and target organ effects as indicated in section two.
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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	116 ° F (46.7 ° 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. Grounding or bonding of conductive containers is recommended.
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
Benzene (skin)	0.5 ppm TWA 2.5 ppm STEL	1 ppm TWA 5 ppm STEL	0.1 ppm TWA 1 ppm STEL
2-Butoxyethanol (skin-OSHA, NIOSH) BEI	20 ppm TWA 200 mg/g creatinine	50 ppm TWA	5 ppm TWA
Cumene	50 ppm TWA Intended change to 0.1 ppm TWA	50 ppm TWA	50 ppm TWA
Ethyl benzene	20 ppm TWA	100 ppm TWA	100 ppm TWA 125 ppm STEL
Trimethyl benzene (all isomers)	25 ppm	---	25 ppm
Toluene	20 ppm TWA	200 ppm TWA 300 ppm STEL 500 ppm Ceiling	100 ppm TWA 150 ppm STEL
Xylenes (all isomers)	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 solvent
Odor Threshold:	Not determined
pH	Not determined - organic
Specific Gravity:	0.85
Initial Boiling Point & Range:	212°F (100°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:	Not determined
Vapor Pressure:	Not determined
Upper/ Lower Flammable Limits:	Not determined
Flash Point	116 ° F (46.7 ° 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	738 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	Various irritating and chronically toxic organic materials.

11. Toxicological Information

Eye:	Causes irritation
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Skin:	May cause irritation
Oral:	Low, calculated at > 2000 mg/kg. Ingestion may present a potentially fatal aspiration hazard due to the petroleum distillate.
Inhalation:	May cause temporary irritation.
Chronic:	Contains varying amounts of benzene, cumene, trimethylbenzene and ethylbenzene which are confirmed and suspect carcinogens. Contains various petroleum distillates which may cause germ cell mutagenicity. 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
Benzene	Known carcinogen	1 Carcinogenic	Listed carcinogen
Cumene	Anticipated carcinogen	2B possibly carcinogenic	---
Ethylbenzene	---	2B possibly carcinogenic	---

12. Ecological Information

Acute ecotoxicity:	Contains ingredients that are toxic to aquatic species.
Chronic ecotoxicity:	Contains ingredients that are chronically toxic to aquatic species.
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.)
Benzene	10	---
Cumene	10	---
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:	Flammable liquids: 3 Skin corrosion/irritation: 2 Eye damage/irritation: 2A Carcinogen: 1 Germ Cell Mutagenicity: 1B Reproductive toxicity: 2 Specific target organ toxicity-single exposure: 3 Specific target organ toxicity-repeated exposure: 2 Aspiration hazard: 1
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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
Benzene	0.1% threshold for reporting on SDS
Cumene	0.1% threshold for reporting on SDS
1,2,4 trimethyl benzene	0.1% threshold for reporting on SDS
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	0.0007 max	California Proposition 65 carcinogen
Toluene	0.007 max	California Proposition 65 reproductive (developmental) toxin
Benzene	0.74 max	California Proposition 65 carcinogen
Cumene	.037 max	California Proposition 65 carcinogen

Additional Regulatory Information:	None presented
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16. Other Information

Issue Date:	June 2, 2017
Previous Issue Date:	July 30, 2016

Changes from previous version:

Revision of SDS format and recalculation of hazards profile based on most recent formulation. All sections of SDS should be read.

National Fire Protection Assoc. (NFPA) Classification:

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

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