



Safety Data Sheet

Issue Date: 01-Feb-2012

Revision Date: 12-Jan-2016

Version 1

1. IDENTIFICATION

Product Identifier

Product Name 511 Impregnator

Other means of identification

SDS # MSC-010R

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

Appearance Clear, colorless liquid

Physical state Liquid

Odor Aromatic

Classification

Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable Liquids	Category 3

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Signal Word

Danger

Hazard statements

May be fatal if swallowed and enters airways
Causes damage to organs through prolonged or repeated exposure
Flammable liquid and vapor



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 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

Precautionary Statements - Response

Get medical advice/attention if you feel unwell
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 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 cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Proprietary	Proprietary	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

Most important symptoms and effects**Symptoms**

Eyes: May cause eye irritation
Skin: May cause mild skin irritation; drying of the skin.
Ingestion: May cause vomiting, nausea and diarrhea.
Inhalation: Excessive inhalation causes headache, dizziness, nausea and incoordination.

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. Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage or even death due to chemical pneumonia.

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.

Explosion Data

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**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. 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. Do not breathe vapors or spray mist. Do not eat, drink or smoke when handling this product.

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 per 29 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

Physical state
Appearance
Color

Liquid
Clear, colorless liquid
Colorless

Odor
Odor Threshold

Aromatic
Not determined

Property

pH
Melting Point/Freezing Point
Boiling Point/Boiling Range
Flash Point

Values

Neutral
Not available
355-395 °F / 179.44-201.66 °C
51.66 °C / 125 °F

Remarks • Method

PCC

Evaporation Rate	<0.1	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	7%	
Lower Flammability Limit	1%	
Vapor Pressure	5 mmHg	@ 20 C
Vapor Density	5.3	(Air=1)
Relative Density	0.80	
Water Solubility	Insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

Other Information

VOC Content	Less than or equal to 742 g/L
Density	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.
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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	Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. May be harmful in contact with skin.
Inhalation	May cause irritation if inhaled.
Ingestion	May be fatal if swallowed and enters airways. May cause irritation of gastrointestinal tract.

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Proprietary	> 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 Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

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	Crustacea
Proprietary	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

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 According to 49 CFR §173.150(f)(1), this material should be reclassified as "NA1993, Combustible Liquid, N.O.S." if it is shipped in bulk. DOT Ground: Combustible liquids are not regulated in non-bulk shipments per 49 CFR 173.150(f)(2).

DOT (If shipped in NON BULK packaging by ground transport)

IATA Please contact manufacturer for most current information
UN/ID No UN1268

IMDG Please contact manufacturer for most current information
UN/ID No UN1268

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary	X	X	X		X	Present	X	X

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*
- AICS - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

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

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary	X		

16. OTHER INFORMATION

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

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 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