



Safety Data Sheet

Issue Date: 01-Feb-2012

Revision Date: 12-Jan-2016

Version 1

1. IDENTIFICATION

Product Identifier

Product Name 511 Porous Plus

Other means of identification

SDS # MSC-011R

Product Code OMB No. 1218-0072

Recommended use of the chemical and restrictions on use

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 Colorless

Physical state Liquid

Odor Solvent

Classification

Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable Liquids	Category 4

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin
Causes mild skin irritation

Signal Word

Danger

Hazard statements

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

**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
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Get medical advice/attention if you feel unwell
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

Other hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Proprietary	Proprietary	Proprietary
Proprietary	Proprietary	Proprietary
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	Flush immediately with clean, free-flowing water for 15 minutes. Consult a physician if irritation persists.
Skin Contact	Wash off with soap and clean water for 15 minutes. If irritation persists call a physician.
Inhalation	Remove person to fresh air. If not breathing, administer artificial respiration including oxygen. Provide medical attention. Call a physician or poison control center immediately.
Ingestion	Do not induce vomiting. Call physician. Keep victim's head below hips to prevent 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**

CO₂, dry foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is combustible & may ignite if exposed to high temperature or direct flame. Heat will cause phosgene gas.

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.

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: soak up with inert absorbent material. Scoop up and place in a proper waste disposal container. 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. Wear eye/face protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Avoid breathing vapors or mists. Use with adequate ventilation. Keep cool. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using 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. Store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 32°F or heat above 110°F. Store locked up.
Incompatible Materials	Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m ³
Proprietary	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m ³	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m ³ 15 min TWA: 85 ppm TWA: 350 mg/m ³

Appropriate engineering controls

Engineering Controls	Local exhaust: Recommended Mechanical exhaust: General ventilation system should be provided.
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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	Liquid	Odor	Solvent
Appearance	Colorless	Odor Threshold	Not determined
Color	Colorless		
Property	Values	Remarks • Method	
pH	Neutral		
Melting Point/Freezing Point	Not tested		
Boiling Point/Boiling Range	> 320 °F / 160 °C		
Flash Point	62.77 °C / 145 °F		
Evaporation Rate	Not tested		

Flammability (Solid, Gas)	Not determined
Flammability Limits in Air	
Upper Flammability Limits	Not tested
Lower Flammability Limit	Not tested
Vapor Pressure	Not tested
Vapor Density	Not tested
Relative Density	0.80
Water Solubility	None
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 737 g/L

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

Heat, flame & sparks.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

CO₂, CO, HF.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Eye Contact Irritating to eyes.

Skin Contact Causes mild skin irritation. May be harmful in contact with skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

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
Proprietary	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit) > 20 mL/kg (Rabbit)	-
Proprietary	-	= 3000 mg/kg (Rabbit)	= 103 g/m ³ (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**

Toxic to aquatic life with long lasting effects.

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
Proprietary	3300: 48 h Desmodesmus subspicatus mg/L EC50	220 - 250: 96 h Pimephales promelas mg/L LC50 flow-through 352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	560: 48 h Daphnia magna mg/L EC50 Static
Proprietary		375.0: 96 h Cichlid fish mg/L LC50	10: 24 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Proprietary	0.6
Proprietary	4.66

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.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Proprietary		Included in waste stream: F039		U112

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Proprietary	Toxic Ignitable
Proprietary	Toxic Ignitable

14. TRANSPORT INFORMATION

Note

DOT Ground: Combustible liquids are not regulated in non-bulk shipments per 49 CFR 173.150(f)(2).

DOT

Not regulated (If shipped in NON BULK packaging by ground transport)

IATA

Not regulated

IMDG

Not regulated

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
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Proprietary	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

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		
Proprietary	X	X	X
Proprietary	X	X	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