



# SAFETY DATA SHEET

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Revision Number 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS Product Identifier

Product Name: Polymer-Modified MasterSeal (PMM) Ultra Pavement Sealer

### Other Means of Identification

Product Code(s): S1093

Synonyms: None

### Recommended Use of the Chemical and Restrictions on Use

Recommended Use: No Information Available

Uses Advised Against: No information Available

### Supplier Address

SealMaster  
Locations Nationwide  
[www.sealmaster.net](http://www.sealmaster.net)  
1-800-341-7325

### Manufacturer Address

SealMaster  
Locations Nationwide  
[www.sealmaster.net](http://www.sealmaster.net)  
1-800-341-7325

### Emergency Telephone Number

Chemtrec 1-800-424-9300


## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

### GHS Label Elements, Including Precautionary Statements

#### Emergency Overview

<b>Signal Word</b>	<b>Warning</b>
	<ul style="list-style-type: none"><li>• Harmful if swallowed</li><li>• May cause skin irritation</li></ul>
<b>Appearance:</b> Black	<b>Physical State:</b> Liquid
	<b>Odor:</b> Asphaltic

### Precautionary Statements

#### Prevention

#### General Advice

#### Storage

#### Disposal

#### Inhalation:

#### Eye Contact:

#### Skin Contact:

#### Ingestion:

- None
- Keep container tightly closed
- Dispose of material/containers in accordance with the appropriate state, regional, or local regulations.

May cause irritation of respiratory tract.

Contact with eyes may cause irritation.

May cause irritation.

Ingestion may cause stomach discomfort.

### Hazard Not Otherwise Classified (HNOC)

Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Limestone	1317-65-3	20-40	*
Asphalt	8052-42-4	20-40	*
Quartz	14808-60-4	<20	*
Kaolin	1332-58-7	<10	*
Bentonite	1302-78-9	<10	*

\*The exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of Necessary First-Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions, see a physician.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

#### Most Important Symptoms/Effects, Acute and Delayed

**Most Important Symptoms/Effects** No information available

#### Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

**Notes to Physician** Treat Symptomatically. May cause sensitization by skin contact.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Carbon Dioxide (CO<sub>2</sub>). Dry Chemical. Foam. Water Fog.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific Hazards Arising from the Chemical

No information available

#### Explosion Data

<b>Sensitivity to Mechanical Impact</b>	None
<b>Sensitivity to Static Discharge</b>	None

#### 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.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

**Personal Precautions:** Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

#### Environmental Precautions

**Environmental Precautions:** See Section 12 for additional Ecological Information

#### Methods and Materials for Containment and Cleaning Up

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.  
**Methods for Cleaning Up:** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

#### Precautions for Safe Handling

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. Avoid breathing vapors or mists. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.

**Conditions for Safe Storage, Including Any Incompatibilities**

**Storage:** Keep container tightly closed  
**Incompatible Products:** Strong oxidizing agents. Acids.

<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Control Parameters**  
**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> respirable dust TWA 10 mg/m <sup>3</sup> total dust
Asphalt 8052-42-4	TWA: 0.5 mg/m <sup>3</sup> benzene soluble aerosol fume, inhalable fraction	-	Ceiling: 5 mg/m <sup>3</sup> fume 15 min.
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	30/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, Total Dust; 250/(%SiO <sub>2</sub> +5) mppcf TWA, respirable fraction; 10/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, respirable TWA: 0.1 mg/m <sup>3</sup> (vacated)	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Kaolin 1332-58-7	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA 5 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Bentonite 1302-78-9	TWA 1 mg/m <sup>3</sup> respirable fraction	-	-

**Appropriate Engineering Controls**

**Engineering Measures:** Showers  
Eyewash Stations  
Ventilation Systems

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** If splashes are likely to occur, wear: Safety glasses with side shields.  
**Skin and Body Protection:** Impervious gloves.  
**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Information on Basic Physical and Chemical Properties**

**Physical State:** Liquid  
**Odor:** Asphaltic

**Appearance:** Black  
**Odor Threshold:** No Information Available

Property	Values	Remarks/Method
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	100° C	None known
Flash Point	Not applicable	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Density	1.08-1.32 @ 77 F	None known
Water Solubility	Easily dispersible	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

<b>Flammable Properties</b>	Not Flammable
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>VOC Content</b>	Less than 15 g/l

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	None under normal processing.
<b>Hazardous Polymerization:</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	None known
<b>Incompatible Materials:</b>	Strong oxidizing agents. Acids.
<b>Hazardous Decomposition Products:</b>	Carbon Monoxide (CO), Carbon Dioxide (CO <sub>2</sub> ), Hydrogen Sulfide, Nitrogen Dioxide

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### **Product Information**

<b>Inhalation:</b>	May cause irritation of respiratory tract.
<b>Eye Contact:</b>	Contact with eyes may cause irritation.
<b>Skin Contact:</b>	May cause irritation.
<b>Ingestion:</b>	Ingestion may cause stomach discomfort.

Chemical Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
Asphalt	5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	-
Quartz	500 mg/kg (Rat)		
Bentonite	>5000 mg/kg (Rat)	-	-

### Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

**Symptoms:** No information available.

### Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure

**Sensitization:** No information available.  
**Mutagenic Effects:** No information available.  
**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen. The IARC, NTP, and OSHA do not list asphalt as a carcinogen. In general, the oxidation of polycyclic aromatic hydrocarbons destroys their carcinogenic potential. Petroleum asphalt, shale oil asphalts, and coal tars show distinct variation in their relative carcinogenicity for experimental animals. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Asphalt	A3	Group 2B	Reasonably Anticipated	X
Quartz	A2	Group 1	Known	X

#### **ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 – Animal Carcinogen  
A2 – Suspected Human Carcinogen

#### **IRAC: (International Agency for Research on Cancer)**

Group 2B – Possibly Carcinogenic to Humans  
Group 1 – Carcinogenic to Humans

#### **NTP: (National Toxicity Program)**

Reasonably Anticipated – Reasonably Anticipated to be a Human Carcinogen  
Known – Known Human Carcinogen

#### **OSHA: (Occupational Safety & Health Administration)**

X – Present

<b>Reproductive Toxicity:</b>	No information available.
<b>STOT - Single Exposure:</b>	No information available.
<b>STOT – Repeated Exposure:</b>	No information available.
<b>Aspiration Hazard:</b>	No information available.

### Numerical Measures of Toxicity – Product

*The following values are calculated based on Chapter 3.1 of the GHS document*

<b>LD50 Oral:</b>	12542 mg/kg; Acute toxicity estimate
<b>LD50 Dermal</b>	6181 mg/kg; Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Bentonite 1302-78-9		LC50 96 h: 8.0-19.0 g/L (Salmo gairdneri) LC50 96 h: = 19000 mg/L static (Oncorhynchus mykiss)		

**Persistence and Degradability:** No information available.  
**Bioaccumulation**

Chemical Name	Log Pow
Asphalt	6.006

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging:** Do not re-use empty containers.

## 14. TRANSPORTATION INFORMATION

**DOT:** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** – Complies

**DSL/NDSL** – Complies

### Legend

**TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %	SARA 313 – Threshold Values %
Asphalt	8052-42-4	20-40	0.1

### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

### 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).

**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). There may be specific requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65:**

Chemical Name	CAS Number	California Prop. 65
Quartz	14808-60-7	Carcinogen

**U.S. State Right-To-Know Regulations**

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Limestone	X	X	X		X
Asphalt	X	X	X		X
Quartz	X	X	X	-	X
Kaolin	X	X	X		X

**U.S. EPA Label Information**

EPA Pesticide Registration Number: Not applicable

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	Health Hazard: 1	Flammability: 0	Instability: 0	Physical and Chemical Hazards- Personal Protection: X
<b>HMIS</b>	Health Hazard: 1	Flammability: 0	Physical Hazard: 0	

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**General Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.