

# Safety Data Sheet

Issue Date: 07-Apr-2016

Revision Date: 27-Sept.-2016

Version  
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## 1. IDENTIFICATION

### Product Identifier

**Product Name** SBS Granulated Self Adhering Membranes

### Other means of identification

**SDS #** MFM-001

**Synonyms** Black Wind & Water Seal™, IB-3 ShingleStarter™, IB-3™ IceBuster, IB-3 StormStopper™, ShingleStarter™

### Recommended use of the chemical and restrictions on use

**Recommended Use** Granulated self-adhering membrane used for waterproofing barrier/sealing systems.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

MFM Building Products Corp.  
525 Orange St.  
P.O. Box 340  
Coshocton, OH. 43812

### Emergency Telephone Number

**Company Phone Number** Phone: 740) 622-2645  
Fax: (740) 622-6161

**Emergency Telephone (24 hr)** Name CHEMTRON CORPORATION  
Monday-Friday 7:30 am to 5:00 pm Phone: 440-937-6379  
Nights, Weekends and Holidays Phone: 440-937-5950

## 2. HAZARDS IDENTIFICATION

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the products listed below are considered articles and do not require an SDS. In addition, articles are not included in the scope of the Globally Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, MFM Building Products Corp would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.

**Appearance:** Black pliable solid, rubber

**Physical State:** Solid

**Odor:** Light Petroleum

**Classification**

**Hazards Not Otherwise Classified (HNOC)**

Skin sensitive by some individuals.

**Signal Word**

**Warning**

**Hazard Statements**

Harmful if ingested.

Under extreme and non-normal circumstances such as extensive cutting, grinding and pulverizing, there is some potential exposure to respirable crystalline silica (quartz). Prolonged and frequent exposure to such conditions could in some instances cause silicosis, a fibrosis of the lungs.

**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

If exposure concerns exist, get medical advice/attention

If ingested, call a POISON CENTER or doctor/medical professional

**Precautionary Statements - Storage**

No special precautions are warranted.

**Precautionary Statements - Disposal**

See Section 13.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms**

Black Wind & Water Seal™, IB-3 ShingleStarter™, IB-3™ IceBuster, IB-3 StormStopper™, ShingleStarter™

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Petroleum Asphalt	8052-42-4	40-50
Calcium Carbonate/Crystalline Silica	14808-60-7	6-17
1,3-butadiene-styrene block polymer	9003-55-8	0-7
Petroleum Distillate	64742-65-0	<5
Fibrous Glass	65977-17-3	5-6
Amorphous Silicon Dioxide	7631-86-9	13-14
Aluminum Oxide	1344-28-1	5-6
Iron Oxide (Fe2O3)	1309-37-1	5-6
Calcium Oxide	1305-78-8	1-2

\*Because of product form, exposure to dust or fumes is not expected to occur with normal use.

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	If ingested: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

### Most important symptoms and effects

<b>Symptoms</b>	Some individuals find it to be harmful in contact with skin. This may cause a skin irritation or redness. It may aggravate pre-existing skin conditions.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Carbon dioxide (CO <sub>2</sub> )
<b><u>Unsuitable Extinguishing Media</u></b>	Not determined.
<b><u>Specific Hazards Arising from the Chemical</u></b>	Product is not flammable.
<b><u>Hazardous Combustion Products</u></b>	Carbon monoxide. Sulfur oxides. Various hydrocarbons.
<b><u>Protective equipment and precautions for firefighters</u></b>	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

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Environmental Precautions</b>	Avoid release to the environment. See Section 13: DISPOSAL CONSIDERATIONS. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Clean up in accordance with all applicable regulations. Sweep up, pick up and put into an approved waste container for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged contact with skin, eyes or clothing. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Wash face, hands, and any exposed skin thoroughly after handling. 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 secure location.

#### **Incompatible Materials**

None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

**Exposures at these levels are not expected to occur under normal use. These exposure guidelines are provided as a general method for safe workplace monitoring.**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Petroleum 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
Calcium Carbonate/Crystalline Silica 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : (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 fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Fibrous Glass 65977-17-3	1 f/cc - resp	1 f/cc - resp	
Aluminum Oxide 1344-28-1		15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) 1309-37-1	5 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup> TWA (fume); 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	5 mg/m <sup>3</sup> TWA (as Fe, dust and fume)  2500 mg/m <sup>3</sup> IDLH (as Fe, dust and fume)
Calcium Oxide 1305-78-8	2 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA 25 mg/m <sup>3</sup> IDLH

#### **Other Information**

\*Because of product form, exposure to dust or fumes is not expected to occur in normal use.

### Appropriate engineering controls

#### **Engineering Controls**

Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Safety Showers.

### Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Use approved eye protection to avoid eye contact. Refer to 29 CFR 1910.133 for eye and face protection regulations.
<b>Skin and Body Protection</b>	Wear normal working gloves of 100% cotton or leather. Refer to 29 CFR 1910.138 for appropriate skin and body protection.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Refer to 29 CFR 1910.134 for respiratory protection requirements.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid	<b>Odor</b>	Light Petroleum
<b>Appearance</b>	Black pliable solid, rubber	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Black		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	Not applicable		
<b>Melting Point/Freezing Point</b>	Not determined		
<b>Flash Point</b>	Not determined		
<b>Evaporation Rate</b>	Not applicable		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not determined		
<b>Vapor Pressure</b>	Not applicable		
<b>Vapor Density</b>	Not applicable		
<b>Specific Gravity</b>	Not determined		
<b>Water Solubility</b>	Insoluble in water		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Auto-ignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not applicable		

<b>Dynamic Viscosity</b>	Not applicable
<b>Explosive Properties</b>	Not an explosive
<b>Oxidizing Properties</b>	Not applicable
<b>VOC Content</b>	0.0 g/l

## 10. STABILITY AND REACTIVITY

<b><u>Reactivity</u></b>	Not reactive under normal conditions.
<b><u>Chemical Stability</u></b>	Stable under recommended storage conditions.
<b><u>Possibility of Hazardous Reactions</u></b>	None under normal processing.
<b><u>Hazardous Polymerization</u></b>	Hazardous polymerization does not occur.
<b><u>Conditions to Avoid</u></b>	Temperatures over 400°F may cause resin degradation. Keep out of reach of children. See Sec. 7 Handling & Storage.
<b><u>Incompatible Materials</u></b>	None known based on information supplied.
<b><u>Hazardous Decomposition Products</u></b>	Carbon monoxide. Various hydrocarbons. Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	May be harmful in prolonged contact with skin in some individuals.
<b>Inhalation</b>	Not an expected route of exposure.
<b>Ingestion</b>	Harmful if ingested

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum Asphalt 8052-42-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Calcium Carbonate/Crystalline Silica 14808-60-7	= 500 mg/kg ( Rat )	-	-
Iron Oxide (Fe2O3) 1309-37-1	>10000 mg/kg (Rat)	-	-
Silicon Dioxide 7631-86-9	>5000 mg/kg (Rat)	>2000 mg/kg ( Rabbit)	-
Calcium Dioxide 1305-78-8	500 mg/kg (Rat)	-	-

Aluminum Oxide 1344-28-1	>5000 mg/kg (Rat)	-	-
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**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Numerical measures of toxicity** Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** The product is classified as environmentally hazardous.

**Component Information/Analysis – Aquatic Toxicity**

Chemical Name	Fish	Algae	Invertebrate
Silicon Dioxide 7631-86-9	96 Hr LC50 Brachydanio rerio: 5000 mg/L [static]	72 Hr EC50 Pseudokirchneriella subcapitata: 440 mg/L	48 Hr EC50 Ceriodaphnia dubia: 7600 mg/L
Calcium Oxide (1305-78-8)	96 Hr LC50 Cyprinus carpio: 107 0 mg/L [static]		

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations. This product is not regulated as a hazardous waste by the U.S. EPA under the Resource Conservation and Recovery Act (RCRA).

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum Asphalt	Present	X		Present		Present	X	Present	X	X
Calcium Carbonate/Crystalline	Present	X		Present		Present	X	Present	X	X

Silica

1,3-butadiene-styrene block polymer	Present	X		Present	X	Present	X	X
Fibrous Glass 65977-17-3	X							
Formaldehyde 50-00-0	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*

Other state regulations may apply. Check individual state requirements. The following components appear on one or more of the following state hazardous substances lists:

Chemical Name	CAS #	CA	MA	MN	NJ	PA	RI
Fibrous Glass	65977-17-3	Yes	No	Yes	Yes	No	Yes
Modified Urea		No	No	No	No	No	No
Formaldehyde Resin							
Formaldehyde	50-00-0	Yes	Yes	Yes	Yes	Yes	Yes
Iron Oxide (Fe2O3)	1309-37-1	Yes	Yes	Yes	Yes	Yes	
Silicon Dioxide	7631-86-9	Yes	Yes	Yes	Yes	Yes	
Calcium Oxide	1305-78-8	Yes	Yes	Yes	Yes	Yes	
Aluminum Oxide	1344-28-1	Yes	Yes	Yes	Yes	Yes	
Titanium Oxide	13463-67-7	Yes	Yes	No	Yes	Yes	
Potassium Oxide	12136-45-7	Yes	Yes	No	Yes	Yes	
Magnesium Oxide	1309-48-4	Yes	Yes	No	Yes	Yes	
Sodium Oxide	1313-59-3	Yes	Yes	Yes	Yes	Yes	

**Component Analysis – Inventory**

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Iron Oxide (Fe2O3)	1309-37-1	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Silicon Dioxide	7631-86-9	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Calcium Oxide	1305-78-8	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Aluminum Oxide	1344-28-1	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Titanium Oxide	7440-66-6	Yes	DSL	EIN	Yes	Yes	No	Yes	Yes	Yes
Potassium Oxide	12136-45-7	Yes	DSL	EIN	Yes	Yes	No	Yes	Yes	Yes
Magnesium Oxide	1309-46-4	Yes	DSL	EIN	Yes	Yes	No	Yes	Yes	Yes
Sodium Oxide	1313-59-3	Yes	DSL	EIN	Yes	Yes	No	Yes	Yes	Yes

**US Federal Regulations**

**SARA 313** Not applicable



## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	<b>Health Hazards</b> 1	<b>Flammability</b> 1	<b>Instability</b> 0
<b><u>HMIS</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Physical Hazards</b> Not determined

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**Date:** 27-Sept.-2016  
**Revision** New format  
**Note:** Removed US State Regulations

### **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**