

# Firestone Building Products Company

## Material Safety Data Sheet

March 2, 2009

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### SECTION 1: PRODUCT IDENTIFICATION

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Product Name: SBS Metal Flash - AL  
Chemical Name/Synonym: None  
Chemical Family: Modified Bitumen Roofing Membrane  
24-Hour Emergency Phone: (800) 424-9300 CHEMTREC  
Manufacturer's Name: Firestone Building Products Company  
Manufacturer's Address: 250 West 96<sup>th</sup> Street, Indianapolis, IN 46260  
NFPA Hazard Rating: Health 1, Flammability 1, Reactivity 0  
HMIS Hazard Rating: Health 1, Flammability 1, Reactivity 0

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### SECTION 2: CHEMICAL COMPOSITION

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Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Asphalt (Petroleum)	Bitumen	8052-42-4	40-60	TLV 0.5 mg/m <sup>3</sup> (Inhalable)
Fibrous Glass	Fiberglass	None	<2	TLV 1 f/cc TLV 5 mg/m <sup>3</sup> (inhalable)

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### SECTION 3: HAZARD IDENTIFICATION

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Primary Route of Exposure: Inhalation

Signs and Symptoms of Exposure: Causes a foreign body reaction (mechanical irritation). Fumes generated by molten asphalt may cause eye, skin and respiratory tract irritation. Molten asphalt will cause thermal burns.

Medical Conditions Aggravated by Exposure: None known

Chronic Effects: No significant health effects have been reported in surveys of asphalt workers in oil refineries and in the roofing industry.

Carcinogenicity: Animal inhalation studies have not yielded sufficient evidence of asphalt induced lung cancer, and only limited investigation has been done on the chemical properties and the metabolic changes caused by petroleum asphalt fumes. A roofing petroleum asphalt proved non-carcinogenic to the skin of mice and rabbits, although the condensates of coal tar fumes proved highly carcinogenic.

Direct implantation of glass fibers into the lung tissue of laboratory animals has produced lung fibrosis and lung cancer. Human epidemiological studies of inhalation exposure have yielded negative results.

Petroleum asphalt is listed by IARC as a class 3, *unclassifiable as to carcinogenicity in humans*.

Continuous filament glass fibers is listed by IARC as a class 3, *unclassifiable as to carcinogenicity in humans*.

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### SECTION 4: FIRST AID MEASURES

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First Aid Procedures:	Hold eyelids open and wash with gentle stream of water until foreign material is removed. Get medical attention if irritation persists. For inhalation of the fume, smoke or dust of this material, remove to fresh air and treat symptomatically. For thermal burns, flush the affected area with cold water and seek medical attention.
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### SECTION 5: FIRE FIGHTING PROCEDURES

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Suitable Extinguishing Media:	Alcohol foam, carbon dioxide, or dry chemical.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide and partially burned carbon.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus as toxic fumes and vapors may be evolved.
Unusual Fire and Explosion Hazards:	Combustion of this product produces dense black smoke.

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### SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to Be Taken in Case Material is Released or Spilled:	None Required.
Precautions to Be Taken in Handling and Storing:	Keep away from heat, sparks and open flames. Care should be taken to minimize the amount of dust generated when applying or handling this product. The amount of dust generated while handling this product is expected to vary depending on the user's application.

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### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ventilation:	Use in well ventilated area.
Respiratory Protection:	Use NIOSH- approved dust, mist, and fume respirator if exposure might exceed the PEL or TLV.
Eye Protection:	The use of safety glasses with side shields may be warranted.
Skin Protection:	The use of leather or cotton gloves for direct handling may be warranted.
Other:	None recommended
Work / Hygienic Practices:	Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

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### SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and Odor:	Black mat with aluminum foil surface and poly film.	Asphalt odor.	
Flash Point:	Not Applicable	Lower Explosive Limit:	None
Method Used:	Not Applicable	Upper Explosive Limit:	None
Evaporation Rate:	Not Applicable	Boiling Point:	None
pH (undiluted product):	Not Applicable	Melting Point:	Unknown
Solubility in Water:	Insoluble	Specific Gravity:	Unknown
Vapor Density:	Not Applicable	Percent Volatile:	Unknown

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Vapor Pressure: Not Applicable

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### SECTION 9: STABILITY AND REACTIVITY

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Thermal Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to Avoid: Strong oxidizing agents

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### SECTION 10: TRANSPORTATION

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Regulatory Agency: Not Regulated  
Proper Shipping Name: Not Applicable  
Hazard Classification: Not Applicable  
Identification Number: Not Applicable  
Labels Required: Not Applicable  
Other Requirements: Not Applicable

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### SECTION 11: MISCELLANEOUS INFORMATION

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Additional Comments: The fibrous glass is encased in an asphalt coating, and is not expected to be released.  
Date of Previous MSDS: July 17, 2008  
Changes Since Previous MSDS: Company name change  
Telephone Number for Additional Information: (317) 575-7190

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