

# GenFlex Roofing Systems, LLC

## Material Safety Data Sheet

June 7, 2010

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### SECTION 1: PRODUCT IDENTIFICATION

Product Name: Wood Fiber Roof Insulation  
 Chemical Name / Synonym: None  
 Chemical Family: Fiberboard  
 24-Hour Emergency Phone: (800) 424-9300 CHEMTREC  
 Manufacturer's Name: GenFlex Roofing Systems, LLC  
 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

### SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Wood/Wood Dust	Wood/Wood Dust	None	60-100	TLV 1 mg/m <sup>3</sup> (Inhalable)
Asphalt	Bitumen	8052-42-4	7-13	TLV 0.5 mg/m <sup>3</sup> (Inhalable)
Aromatic Petroleum Pitch	Petroleum Pitch	68187-58-6	5-10	None established

### SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure: Skin. Inhalation & eye if cutting.

Signs and Symptoms of Exposure: Repeated/prolonged handling may cause dry skin. Upon cutting or otherwise disturbing material so that dust is created, mechanical eye irritation may occur. Excessive dust exposure may also cause temporary irritation to nose, throat and/or lungs or sinusitis.

Medical Conditions Aggravated by Exposure: Pre-existing skin, eye and respiratory conditions or allergies.

Chronic Effects: None known.

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.  
 Petroleum asphalt is listed by IARC as a class 3, *unclassifiable as to carcinogenicity in humans*.  
 Wood dust is listed by IARC as a class 1, *carcinogenic to humans*, and by NTP as a *known to be a human carcinogen*.

### SECTION 4: FIRST AID MEASURES

First Aid Procedures: If dust enters the eyes, hold eyelids open and wash with gentle stream of water until foreign material is removed. Get medical

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attention if material lodges in eye or irritation persists. If excessive dust (from cutting or otherwise disturbing material) occurs and is inhaled causing respiratory irritation, move to fresh air.

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### SECTION 5: FIRE FIGHTING PROCEDURES

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Suitable Extinguishing Media:	Water fog. Use methods appropriate for materials in surrounding area.
Hazardous Combustion Products:	Carbon oxides, sulfur oxides, hydrogen sulfide, irritating fumes and gases, black smoke.
Recommended Fire Fighting Procedures:	Typical fire fighting gear.
Unusual Fire and Explosion Hazards:	Wood dusts may form explosive mixtures with air in the presence of an ignition source. An airborne dust concentration of 40 g/m <sup>3</sup> is often used as the lower explosion limit for wood dust. Material may continue to smolder after flames have been extinguished.

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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 the product dry and stored flat. Care should be taken to minimize the amount of dust generated when cutting, applying or handling this product. The amount of dust generated while using this product is expected to vary depending on the user's application. Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding, or machining wood or wood products to prevent sparks or other ignition sources in ventilation equipment. Use wet methods, if appropriate to reduce generation of dust.

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### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ventilation:	When cutting, or otherwise disturbing material, do so in a well ventilated area. Prevent sparks or other ignition sources from entering ventilation equipment.
Respiratory Protection:	When cutting, or otherwise disturbing material, the use of a NIOSH-approved respirator may be warranted, if applicable exposure limit may be exceeded.
Eye Protection:	When cutting, or otherwise disturbing material, 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 to prevent splinters or skin drying.
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 rigid board; resinous wood odor.		
Flash Point:	Not Applicable	Lower Explosive Limit:	40 g/m <sup>3</sup>
Method Used:		Upper Explosive Limit:	Not Applicable
Evaporation Rate:	Not Applicable	Boiling Point:	Not Applicable
pH (undiluted product):	Not Applicable	Melting Point:	Not Applicable
Solubility in Water:	Insoluble	Specific Gravity:	Varies
Vapor Density:	Not Applicable	Percent Volatile:	Not Applicable
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:	Sparks, open flames, solvents or solvent-based adhesives. Oxidizing agents and drying oils.

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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:	This product is not expected to present health hazards under normal conditions and use. Hazard statements included in this MSDS are for the dust that may be generated as the product is processed, altered or applied.
Date of Previous MSDS:	February 5, 2008
Changes Since Previous MSDS:	Formatting & product formulation change.
Telephone Number for Additional Information:	(317) 575-7190

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### DISCLAIMER

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