

Firestone Building Products Company

Material Safety Data Sheet

December 12, 2008

Page: 1

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Firestone CLAD-GARD SA
Chemical Name / Synonym:	None
Chemical Family:	Mixture
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	Firestone Building Products Company
Manufacturer's Address:	250 West 96 th 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:
Asphalt (Petroleum)	Bitumen	8052-42-4	38-55.2	TLV 0.5 mg/m ³ (Inhalable)
Calcium Carbonate	Limestone	1317-65-3	4.3-23.8	PEL (Respirable) 5 mg/m ³ PEL (Total) 15 mg/m ³
Continuous Filament Glass Fiber	Fiberglass	65997-17-3	0-3.7	TLV 1 f/cc TLV 5 mg/m ³ (inhalable)
Non-Hazardous	None	None	>17.3	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation upon excessive heating or cutting.
Signs and Symptoms of Exposure:	Causes a foreign body reaction (mechanical irritation). Fumes generated by molten (heated) 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:	<p>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.</p> <p>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.</p> <p>Petroleum asphalt is listed by IARC as a class 3, <i>unclassifiable as to carcinogenicity in humans</i>. Petroleum asphalt is classified by NIOSH as a <i>potential occupational carcinogen</i>.</p> <p>Continuous filament glass fibers is listed by IARC as a class 3, <i>unclassifiable as to carcinogenicity in humans</i>.</p>

Firestone Building Products Company

Material Safety Data Sheet

December 12, 2008

Page: 2

SECTION 4: FIRST AID MEASURES

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.

SECTION 5: FIRE FIGHTING PROCEDURES

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 causes dense black smoke. Water may cause frothing.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Not Applicable
Precautions to Be Taken in Handling and Storing: Keep away from heat, sparks and open flames. Protect against dust that may be generated from cutting or altering this product.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use in well ventilated area.
Respiratory Protection: A NIOSH-approved respirator may be warranted, based upon end-user determination.
Eye Protection: Safety glasses with side shields may be needed as determined by end-user.
Skin Protection: Leather or cotton gloves may be required for direct handling.
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.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Black rolled material. Asphalt odor.		
Flash Point:	>430 °F	Lower Explosive Limit:	Unknown
Method Used:	Unknown	Upper Explosive Limit:	Unknown
Evaporation Rate:	Not Applicable	Boiling Point:	>650 °F
pH (undiluted product):	Unknown	Melting Point:	>290 °F
Solubility in Water:	Insoluble	Specific Gravity:	1.02-1.3 g/cc
Vapor Density:	Unknown	Percent Volatile:	<0.1%
Vapor Pressure:	Unknown		

Firestone Building Products Company

Material Safety Data Sheet

December 12, 2008

Page: 3

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid:	Strong oxidizing agents at elevated temperatures and uncontrolled fumes.

SECTION 10: TRANSPORTATION

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

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	The calcium carbonate is bound in an asphalt matrix, and not expected to be released. Fiberglass is bound within the asphalt matrix of this product in such a way that the release of fibers is expected (if at all) only when the material is cut, buffed or altered.
Date of Previous MSDS:	Not applicable. New product.
Changes Since Previous MSDS:	Not applicable.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

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