

Firestone Building Products Company

Material Safety Data Sheet

July 17, 2008

Page: 1

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Multi-Purpose MB Cold Adhesives
 Chemical Name / Synonym: Multi-Purpose MB Cold Adhesive and Multi-Purpose MB Flashing Cement
 Chemical Family: Mixture
 24-Hour Emergency Phone: (800) 424-9300 CHEMTREC
 Manufacturer's Name: Firestone Building Products Company
 Manufacturer's Address: 250 West 96th Street, Indianapolis, IN 46260
 NFPA Hazard Rating: Health 1, Flammability 2, Reactivity 0
 HMIS Hazard Rating: Health 1, Flammability 2, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Aromatic Petroleum Distillate	Petroleum Naphtha	64742-95-6	1-5	None Established
Asphalt (Petroleum)	Bitumen	8052-42-4	43-50	TLV 0.5 mg/m ³ (Inhalable, benzene-soluble)
Stoddard Solvent	Mineral Spirits	8052-41-3	15-18	PEL 500 ppm TLV 100 ppm
Nonhazardous as per 29 CFR 1910.1200.	None	None	26-42	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure: Inhalation, skin contact

Signs and Symptoms of Exposure: Eye contact may cause moderate eye irritation, redness, tearing and blurred vision. Prolonged or repeated skin contact may cause irritation, dermatitis and drying of the skin. Inhalation may cause respiratory system irritation and central nervous system depression (narcosis) characterized by headache, dizziness, muscular weakness and fatigue. May cause unconsciousness if exposure is excessive.

Medical Conditions Aggravated by Exposure: Pre-existing lung, skin or nervous system disorders may be aggravated by exposure to this material.

Chronic Effects: May cause kidney, ureter, bladder and blood damage based upon animal studies.

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*.

Firestone Building Products Company

Material Safety Data Sheet

July 17, 2008

Page: 2

SECTION 4: FIRST AID MEASURES

First Aid Procedures:	If this material contacts the eyes, hold eyelids open and flush immediately with a gentle stream of water for at least 15 minutes, preferably at an eyewash fountain. In case of skin contact, clean with rubbing alcohol first, followed immediately by washing affected area with soap and water. For inhalation of this product's vapor, remove to fresh air and treat symptomatically. In case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.
-----------------------	---

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media:	Alcohol foam, carbon dioxide, water fog, sand, earth or dry chemical.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide, partially burned carbon and acrid fumes.
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:	Heat builds up pressure in closed containers. Cool with a water stream.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:	Remove ignition sources. Keep people away. Absorb on inert material. Using non-sparking tools, place in secure containers for proper disposal.
Precautions to Be Taken in Handling and Storing:	Keep away from heat, sparks, and open flames. Keep containers tightly closed when not in use and store between 60°F and 80°F. Application to hot surfaces requires special precautions. Avoid prolonged or repeated contact with skin. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation:	Use in well ventilated area.
Respiratory Protection:	If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, a NIOSH approved organic vapor air purifying respirator may be appropriate based on employer-determined exposure conditions. Air supplied or SCBA respirators may be required when the measured chemical concentration exceeds the capacity of the air purifying respirator or when personal exposure levels are unknown.
Eye Protection:	The use of safety glasses with side shields when handling or applying this product may be appropriate to prevent eye contact.

Firestone Building Products Company

Material Safety Data Sheet

July 17, 2008

Page: 3

Skin Protection:	Chemical resistant gloves, such as nitrile or polyvinyl alcohol, may be necessary to avoid direct skin contact.
Other:	None recommended; however, the end user is expected to evaluate the need for other forms of personnel protective equipment based upon individual use/application.
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 viscous fluid with aromatic solvent odor		
Flash Point:	105° F	Lower Explosive Limit:	0.9%
Method Used:	SETA Closed Cup	Upper Explosive Limit:	6.0%
Evaporation Rate:	<1 (Butyl Acetate = 1)	Boiling Point:	310-400° F
pH (undiluted product):	Not applicable	Melting Point:	Not applicable
Solubility in Water:	Insoluble	Specific Gravity:	1.2 (Water=1)
Vapor Density:	>1 (Air=1)	Percent Volatile:	20 - 25
Vapor Pressure:	2 mm Hg @ 68° F		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid:	Contact with moisture and strong oxidizers

SECTION 10: TRANSPORTATION

Regulatory Agency:	DOT
Non-Bulk:	Not Regulated
Bulk:	Combustible liquid, n.o.s., (Petroleum Distillates), Combustible liquid, NA 1993, III
Or Bulk (elevated temperature):	Elevated temperature liquid, flammable, n.o.s., (Petroleum Distillates), 3, UN3256, III

Note: If bulk departs below its flash point then NA1993; but if it is at or above flash point, then UN3256.

Regulatory Agency:	IATA
Flammable liquid, n.o.s., (Petroleum Distillates), 3, UN1993, III	

Regulatory Agency:	IMDG
IMDG Code 2.3.2.5 – exempt from marking, labeling & testing of packages.	

Firestone Building Products Company
Material Safety Data Sheet

July 17, 2008

Page: 4

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	None
Date of Previous MSDS:	March 27, 2006
Changes Since Previous MSDS:	Address change in section 1; carcinogenicity information in section 3.
Telephone Number for Additional Information:	(317) 575-7190

DISCLAIMER

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, a subsidiary of Bridgestone Americas Holding, Inc. assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.