

FIRESTONE BUILDING PRODUCTS COMPANY

Material Safety Data Sheet

Product: Geomembrane EPDM Series

July 30, 2002

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Geomembrane EPDM Series**
Chemical Name / Synonym: Cured rubber material, Standard membrane, Pond Liner.
Manufacturers Name: Firestone Building Products Company
Manufacturers Address: 525 Congressional Blvd., Carmel, IN 46032, USA
Manufacturers Phone: + 1 317 575 70 00
Manufacturers Fax: + 1 317 575 71 00
24-Hour Emergency phone: USA: + 1 800 424 9300
Belgium: + 32 70 245 245 (Antigifcentrum)

SECTION 2: CHEMICAL COMPOSITION

Substance/Preparation: Preparation
Chemical Nature: Cured rubber material
Hazardous components:

CAS #	Component	% (by wt)	Hazard Classification	Hazard Labelling (Risk)
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SECTION 3: HAZARD IDENTIFICATION

Adverse human health effects: No known adverse effects.
Environmental effects: No known adverse effects.

SECTION 4: FIRST AID MEASURES

Inhalation: No special action necessary.
Ingestion: No special action necessary.
Skin contact: No special action necessary.
Eye Contact: No special action necessary.
Remarks: None.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon Dioxide, foam, sand/earth or dry chemicals.
Recommended Fire Fighting Procedures: Wear impermeable protective clothing and self-contained breathing apparatus.
Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Sulphur Dioxide, partially burned Carbon.
Unusual Fire and Explosion Hazards: Toxic fumes and vapours may be evolved. Oil "bleeds" from material when burning.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Not applicable.
Environmental Precautions: Not applicable.
Methods for cleaning up: Not applicable.

SECTION 7: HANDLING AND STORAGE

Handling: Keep materials away from heat, sparks and open flames.
Storage: Keep materials away from heat, sparks and open flames. Store in a dry area. Storage area should be well ventilated.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Not relevant.
Working Conditions: Store and use in a well-ventilated location.
Control Parameters: Not relevant.
Personal Protective Equipment:
- **Respiratory equipment:** None required.
- **Eye Protection:** None required.
- **Skin Protection:** None required.
- **Other:** None.
Work/Hygienic Practices Wash exposed skin prior to eating, drinking and smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Black solid with slight rubber odour.		
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:	Varies
Solubility in oil:	Unknown	Percent Volatile:	Unknown
Vapour density:	Not Applicable	Decomposition temperature:	Unknown
Vapour pressure:	Not Applicable	Auto-ignition temperature:	Unknown

SECTION 10: STABILITY AND REACTIVITY

Thermal Stability: Stable.
Conditions/Materials to avoid: Avoid flames, sparks and other sources of ignition.
Hazardous decomposition products / Hazardous polymerisation: Product will not undergo polymerisation.



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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:	Not applicable.
OEL values:	Not applicable.
Chronic Toxicity:	No known adverse effects.
Sensitisation:	None known.
Carcinogenicity:	None.
Medical Conditions Aggravated by Exposure:	Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapours.

SECTION 12: ECOTOXICOLOGICAL INFORMATION

Ecotoxicity:	This product contains no components mentioned in the EC directive 76/464/EEC – substances that are harmful to the aquatic environment.
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SECTION 13: DISPOSAL CONSIDERATIONS

Packaging:	Polyethylene packaging to be disposed of as per the local requirements.
Immobilization:	Not applicable.
Contaminated Packaging:	Not applicable.
Not immobilized Product:	Product to be disposed of as per the local requirements.

SECTION 14: TRANSPORT INFORMATION

UN classification:	Not applicable				
<u>ADR (road transport):</u>		<u>IMDG (sea transport):</u>		<u>ICAO (air transport):</u>	
Class:	Not applicable	Hazard Class:	Not applicable	Class:	Not applicable
Packaging Group:	Not applicable	Packaging Group:	Not applicable	Packaging group:	Not applicable
Hazard label:	Not applicable	IMDG-page:	Not applicable		
TREM-card:	Not applicable	Label:	Not applicable		

SECTION 15: REGULATORY INFORMATION

Regulations:	Not applicable.
Hazardous components:	Not applicable.
Obligatory information on label:	Not applicable.



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SECTION 16: OTHER INFORMATION

Additional Comments:	Rubber products stored for a prolonged period of time in a poorly ventilated area or heated during reprocessing may generate measurable amounts of volatile N-nitrosamines, some of which may be animal carcinogens. Insure proper ventilation when this product is used or stored.
Date of latest US format MSDS:	20-Jun-00
Date of previous ISO format MSDS	New MSDS
Changes since previous MSDS:	New MSDS
Telephone number for additional Information:	+1 317 575 7190

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