



MATERIAL SAFETY DATA SHEET

Advanced Composite Membranes

SECTION 1: MATERIAL IDENTIFICATION AND USE

Chemical Family: Mixture
Material Use: Self Adhesive Membrane

Chemical Formula: Proprietary
Effective Date: October 1, 1996

SECTION 2: HAZARDOUS INGREDIENTS

Hazardous Component	OSHA-PEL	ACGIH TLV	LD50	% Wt
Petroleum Asphalt (CAS # 8052-42-4)		5.0mg/m	5-15g/Kg	>50%
Petroleum Oil (CAS # 64741-88-4)		0.2000 TWA		<15%

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Not Applicable
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
Solubility in Water: Insoluble

Specific Gravity (H₂O=1): 1.2
Melting Point: >200°F
Evaporation Rate (Bu AC=1): N/A
Appearance and Odor: Black Solid, Slight Petroleum Odor

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (Method): >410°F (T.O.C.)
Sensitivity to Static Discharge: Not Determined
Extinguishing Media: Standard Fire Extinguisher Water Spray, Regular Foam, Dry Chemical or Carbon Dioxide
Special Fire Fighting Procedures: The use of self-contained breathing apparatus is recommended for firefighters.
Unusual Fire And Explosion Hazards: None Known
Flammability: Will Support Combustion
Under What Conditions: Direct Flame

Upper Explosion Limits: Not Determined
Lower Explosion Limits: Not Determined

SECTION 5: REACTIVITY DATA

Stability: Stable
Incompatibility: Not Applicable

Conditions To Avoid: Not Applicable

Hazardous Decomposition/Combustion Products: Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen and Sulfur
Hazardous Polymerization: Will Not Occur
Conditions To Avoid: Not Applicable

SECTION 6: HEALTH HAZARD DATA

Primary Routes of Entry

Inhalation:

Skin: XX

Ingestion: XX

Effects of Overexposure (Acute and Chronic): **Skin:** Avoid contact with skin. Excessive exposure may cause irritation to eyes, nose, throat and skin. Prolonged and repeated skin contact may cause skin irritation.

Ingestion: Slightly toxic

Emergency and First Aid Procedures: **Inhalation:** Not Applicable

Skin: Wash thoroughly with soap and water. If redness or irritation develops, obtain medical assistance.

Eyes: Flush with water at least 15 minutes. Obtain medical assistance.

Ingestion: Drink liquids. Obtain medical assistance.

Medical Conditions Aggravated By Exposure:

Disorders or Diseases of the Skin, Eye, Respiratory Track or Allergies

Carcinogenicity: No

NTP: No

IARC Monographs: OSHA Regulated

Irritant: Yes

Sensitizer: Yes

Mutagenic: No

Teratogenic: No

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Leak and Spill Procedures: Follow Federal, State and Local Regulations, *Not a RCRA Hazardous Waste*

Waste Disposal Method: Dispose in a licensed waste disposal facility in accordance with all applicable federal, state and local laws, codes and regulations.

Precautions To Be Taken In Handling And Storage: Do not ingest. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling, especially prior to eating or smoking. Launder soiled clothes.

Other Precautions: Keep Out of Reach of Children

SECTION 8: EXPOSURE CONTROL

Respiratory Protection: Not Applicable

Ventilation: Not Applicable

Eye Protection: Not Required

Other Protective Clothing or Equipment: Not Applicable

Protective Gloves: Yes. Polyvinyl chloride (PVC), neoprene, nitrile, polyvinyl alcohol (PVA) or viton gloves have been found effective.

Hygienic Practices: Wash thoroughly after handling, especially prior to eating or smoking. Wash clothing before reuse.

SECTION 9: REGULATORY INFORMATION

Reportable Quantity: Not Applicable

RCRA Hazardous Waste No: Not a RCRA Hazardous Waste

Proper Shipping Name: Asphaltic Roofing Material

DOT Hazard Class: Not Required

Identification Number: Not Required

Volatile Organic Content: Not Applicable

Label Requirements: Not Required