



MITEK® WATERPROOF MEMBRANE SAFETY DATA SHEET (SDS)

Section 1 – Product and Company Identification

Manufacturer: MiTek Inc.

Products: Waterproof Membrane & Components

Address: 560 East Richey Road, Houston, Texas 77073

Phone Number: 1-800-328-5934

Email: barriersystems@mii.com

Website: www.mii.com/watertight

Recommended use: Waterproofing membrane, with or without printed logo, for use in wet area applications behind or under tile or stone.

Restrictions on use: No known adverse chemical reactions.

Section 2 – Hazard Identification

Route(s) of Entry: Skin (None), Eyes (None), Inhalation (None), Ingestion (None)

Health Hazards (Acute and Chronic)

Skin (No Known Hazard)

Eyes (No Known Hazard)

Inhalation (No Known Hazard)

Ingestion (No Known Hazard)

Carcinogenicity: No Known Toxicity Effects (Skin, Eyes, Inhalation, Ingestion)

Signs and Symptoms of Exposure: Skin (None), Eyes (None), Inhalation (None), Ingestion (None)

Medical Conditions Generally Aggravated by Exposure: None

Section 3 – Composition / Information on Ingredients

Preparation: Sealing membrane in roll form and preformed components

Chemical Characterization: Polypropylene fleece & polyethylene

Hazard Classification: This material is considered not hazardous by the U.S. Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard (29 CFR 19010.1200) and SIMDUT in Canada.

Section 4 – First-aid Measures

Ingredient Name	CAS Number	Percent of Total Weight
Polypropylene	9003-07-0	~66
Polyethylene	9002-88-4	~34

Emergency and First Aid Procedures in Case of:

- Contact with skin – remove residue with soap and water, consult a physician in case of skin reaction
- Contact with eyes – flush eyes with water for 10 to 15 minutes while holding eyelids apart, consult an ophthalmologist should symptoms persist
- Inhalation – person affected by formation of dust should be removed to fresh air and kept still, seek medical attention if respiratory difficulties develop
- Ingestion – Not a probable route of exposure; in the case of formation of dust, rinse mouth, seek medical attention if difficulties develop

Section 5 – Fire-fighting Measures

Melt Point: Polypropylene fleece = 160° C; polyethylene foil = 130° C

Flash Point: Not applicable

Auto Ignition Temperature: > 350° C

Extinguishing Media: Water fog, foam, dry extinguishing powder, carbon dioxide

Specific or Unusual Fire and Explosion Hazards: Flammability characteristics will not be detected by any flash point method

Combustion By-Products: Smoke, carbon black, carbon monoxide, carbon dioxide, and other decomposition products of hydrocarbons

Special Fire Fighting Procedures: Do not use a high-power water jet. Use of foam or water may cause frothing. Apply water from as far away as possible. Do not release runoff from fire control to sewers or waterways. Use water spray to cool exposed rolls.

Special Protective Equipment: Normal firefighting equipment and protective clothing. Wear a self-contained, positive-pressure breathing apparatus where smoke is present or may occur.

Section 6 – Accidental Release Measures

Personnel Precautions: None

Environmental Precautions: Remove

Clean-Up Method: Remove mechanically, place in appropriate container for disposal, and dispose in a legal manner consistent with local regulations.

Product Recovery: Can be recycled (plastic #5)

Waste Disposal Method: Remove mechanically, place in appropriate container for disposal, and dispose in a legal manner consistent with local regulations.

Precautions to Be Taken in Handling and Storing: None

Spill and Leak Procedures: Collect and dispose of material in an approved container for disposal. If the product becomes molten, allow the article to cool before disposal or removal from the substrate.

Other Precautions: Do not allow waste or residual material to enter groundwater, surface water, or drains.

Section 7 – Handling and Storage

Handling

- Provide adequate ventilation and local exhaust as needed.
- Avoid generation of dust
- Avoid inhalation of dust generated
- Precaution for safe handling – no specific measures
- Personnel precautions – Non hazardous
- Precautions against fire and explosion – slow to ignite, relatively easy to combust

Storage

- Storage conditions – store away from heat sources
- Avoid for storage – Do not freeze
- Incompatible materials – none
- Recommended container – store in original packaging
- Containers not recommended - none

Section 8 – Exposure Controls / Personal Protection

Skin Protection: None required for recommended use

Eye Protection: None required for recommended use

Respiratory Protection: None required for recommended use

Ventilation: Recommended use requires none in excess of accepted workplace safety recommendations

Other Protective Clothing or Equipment: None required for recommended use

Permissible Exposure Limit (PEL): Not applicable for recommended use

Section 9 – Physical and Chemical Properties

Physical Appearance: Solid membrane

Form: 1-meter wide membrane roll, sealing tape roll, and preformed components

Color: TRITON® yellow

Odor: None

pH Value: No data available

Flash Point: Not applicable

Melting Point: Polypropylene fleece = 160° C; polyethylene foil = 250° C

Initial Boiling Point and Boiling Range: No data available

Evaporation Rate: No data available

Flammability: Combustible

Explosive Properties: Non-explosive

Explosive Limits: Lower Explosion Limit (LEL)- not applicable; Upper Explosion Limit (UEL)- not applicable

Vapor Pressure: No data available

Vapor Density: No data available

Density: 0.95 g/cm³ (specific gravity, water=1)

Water Solubility: Insoluble

Fat Solubility: Almost insoluble

Partition Coefficient: No data available

Auto Ignition Temperature: > 250° C

Thermal Decomposition: No data available
Oxidizing Characteristics: Non-oxidizing
Other Information: Flammable limit > 350° C

Section 10 – Stability and Reactivity

Reactivity: No data Available
Chemical Stability: Stable under recommended storage conditions
Possibility of Hazardous Reactions: No hazardous reaction when material is handled and stored as recommended
Conditions to Avoid: Protect from frost, heat, and sunlight
Incompatible Materials: Strong oxidizing agents and solvents
Hazardous Decomposition Products: If heated to decomposition, product may emit smoke, carbon monoxide, carbon dioxide, and other decomposition products of hydrocarbons
Thermal Decomposition: No data available

Section 11 – Toxicological Information

Toxicological Tests

Acute Toxicity (oral): Based on available data, the classification criteria are not met
Acute Toxicity (dermal): Based on available data, the classification criteria are not met
Acute Toxicity (inhalative): Based on available data, the classification criteria are not met
Skin Corrosion/Irritation: Based on available data, the classification criteria are not met
Eye Damage/Irritation: Based on available data, the classification criteria are not met
Respiratory Sensitization: Based on available data, the classification criteria are not met
Skin Sensitization: Based on available data, the classification criteria are not met
Germ Cell Mutagenicity: Based on available data, the classification criteria are not met
Germ Cell Genotoxicity: Based on available data, the classification criteria are not met
Carcinogenicity: Based on available data, the classification criteria are not met
Reproductive Toxicity: Based on available data, the classification criteria are not met
Lactation Effects: Based on available data, the classification criteria are not met
Specific Target Organ Toxicity (single exposure): Based on available data, the classification criteria are not met
Specific Target Organ Toxicity (repeated exposure): Based on available data, the classification criteria are not met
Aspiration Hazard: Based on available data, the classification criteria are not met

Other Information

Polyethylene

- IARC Rating: Group 3
- OSHA Carcinogen: Not listed
- NTP Rating: Not listed

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- OSHA Carcinogen: Not listed
- NTP Rating: Not listed

Section 12 – Ecological Information

Eco Toxicological Effects: No toxicity for the environment. The product is almost completely mechanically separated in water treatment facilities. Do not release or allow to enter into ground water, surface water, or drains.

Mobility in Soil: No data available

Persistence and Degradability:

In Soil – Product is not soluble in water and is not biodegradable.

In Water – Product is not soluble in water and is not biodegradable.

Additional Ecological Information: 0% by Weight = 0 g/L

Section 13 – Disposal Considerations

Product – The allocation of waste identity numbers and waste descriptions must be carried out according to the EEC, specific to the industry and process.

Polyethylene – Plastic #4

Polypropylene – Plastic #5

Contaminated Packaging

Waste Key Number 150101 – Paper and Cardboard Packaging

Waste Key Number 150102 – Plastic Packaging

Section 14 – Transport Information

US Department of Transportation (DOT): Not controlled by DOT regulations

Sea Transport (IMDG): Not restricted, not a marine pollutant

Air Transport (IATA): Not restricted

Section 15 – Regulatory Information

US Federal Regulations

Product:	TSCA Inventory – not listed
Polyethylene:	TSCA Inventory – Listed, EPA Flags XU TSCA HPVC: not listed Carcinogen Status: <ul style="list-style-type: none">– IARC Rating: Group 3– OSHA Carcinogen: Not listed– NTP Rating: Not listed
Polypropylene:	TSCA Inventory – Listed, EPA Flags XU TSCA HPVC: not listed Carcinogen Status: <ul style="list-style-type: none">– IARC Rating: Group 3– OSHA Carcinogen: Not listed– NTP Rating: Not listed

Section 16 – Other Information

Hazard Rating Systems

NFPA Hazard Rating:

Health: 0 (minimal)
Fire: 1 (slight)
Reactivity: 0 (minimal)

HMIS Version III Rating:

Health: 0 (minimal)
Flammability: 1 (slight)
Physical Hazard: 0 (minimal)
Personal Protection: X (consult your supervisor)



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