



## Triton WPBK™ Waterproof Backer Board Safety Data Sheet (SDS)

### Section 1 – Product and Company Identification

**Manufacturer/Distributor:** MiTek, Inc.

**Products:** Triton WPBK™ Waterproof Backer Board

**Address:** 770 Bradfield Rd. #575, Houston, TX 77044

**Information Phone Number:** 833-909-0839

**Email:** [info@tritonwatertight.com](mailto:info@tritonwatertight.com)

**Website:** [www.tritonwatertight.com](http://www.tritonwatertight.com)

**Emergency Phone Number:** 877-453-8868

**Recommended use:** Triton WPBK™ Waterproof Backer Board is intended for use as interior tile backer board in wet area vertical applications of tile or stone. Triton WPBK™ Waterproof Backer Board is comprised of Triton WP™ Waterproof Membrane factory applied over Triton BK™ Backer Board, an environmental and people friendly water and fire resistant magnesium oxychloride cement tile backer board. The application of the WP™ to the BK™ may incur in the field with thin set or during the manufacturing of the board with concrete directly applied or with an adhesive.

**Restrictions on use:** No known adverse chemical reactions.

### Section 2 – Hazard Identification

#### **Triton WP™ Waterproof Membrane**

**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

#### **Triton BK™ Backer Board**

**Emergency Overview:**

**Hazard Symbol:**



#### **WARNING:**

**PROLONGED EXPOSURE TO DUST MAY CAUSE LONG TERM LUNG DAMAGE**

This product contains very low levels of materials suspected to cause cancer. These materials are at such low levels in this product that there is no expected danger, however minimizing exposure to dust will eliminate any potential and is a good practice when cutting any construction material.

**Route(s) of Entry:** Skin (None), Eyes (Dust and Chip Form), Inhalation (Dust and Chip Form), Digestion (Dust and Chip Form)

**Health Hazards (Acute and Chronic):**

- Eyes (Dust and Chip Form - Irritation Hazard)
- Inhalation (Dust and Chip Form – Irritation Hazard)
- Skin (Fiberglass may cause itching irritation)
- Ingestion (No Known Hazard)

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

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

**Medical Conditions Generally Aggravated by Exposure:** Asthma (Inhalation Exposure of Dust Form and Combustion Products) (Avoid Inhalation)

### Section 3 – Composition/ Information on Ingredients

**Triton WP™ Waterproof Membrane**

**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.

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

**Triton BK™ Backer Board**

Ingredient Name	CAS Number	Percent of Total Weight
Magnesium Oxide	1309-48-4	<50
Magnesium Chloride	7786-30-3	<20
Perlite	130885-09-5	<10
Expanded Polystyrene	9003-53-6	<2
Fiberglass Scrim	65997-17-3	<2
Quartz, crystalline silica	14808-60-7	<3

### Section 4 – First-aid Measures

**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

**Information to Physician** – Treat symptomatically

### Section 5 – Fire-fighting Measures



**Triton WP™ Waterproof Membrane**

**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 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.

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

**Triton BK™ Backer Board**

**Flash Point:** Solid - Not Applicable

**Flammable Limits:** Solid - Not Applicable...keeps shape even after intense heat exposure

**LEL:** Solid - Not Applicable

**UEL:** Solid - Not Applicable

**Extinguishing Media:** None, E84 0/0 Rated; Does not burn.

**Special Fire Fighting Procedures:** none

**Unusual Fire and Explosion Hazards:** NONE

## Section 6 – Accidental Release Measures

**Triton WP™ Waterproof Membrane**

**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 approved container for disposal. If product becomes molten, allow article to cool before disposal or removal from substrate.

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

**Triton BK™ Backer Board**

**Steps to be taken in Case Material Is Released or Spilled:** Beneficial to water and soil, no environmental concerns with release and disposal. Dust and Chips can be swept, scooped or vacuumed and removed. Sheets shall be collected and removed.

**Waste Disposal Method:** Follow Local, State and Federal Regulations for nonhazardous refuse waste.

**Precautions to Be Taken in Handling and Storing:** Protective Gloves to prevent skin irritations; careful not to touch eyes during handling of material.

**Other Precautions:** None



## Section 7 – Handling and Storage

**Restrictions on use:** No known adverse chemical reactions.

**Minimize dust exposure:** If sawing and in a confined space a NIOSH dust mask is recommended

### **Respirator Recommendations**

NIOSH

Up to 0.5 mg/m<sup>3</sup>

(APF=10) Any Particulate respirator equipped with an N95, or P95 filter (including N95, R95, and P95 filtered face pieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100, and P100.

Store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation

Materials should be stored on level supports off the ground to prevent sagging. Cover loosely with waterproof material to prevent condensation from forming while protecting against weather, direct sunlight, surface contamination, and construction traffic.

Never stack more than 4 pallets high for wooden pallets and 2 for steel pallets.

## Section 8 – Exposure Controls/ Personal Protection

### **Triton WP™ Waterproof Membrane**

**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 work place safety recommendations

**Other Protective Clothing or Equipment:** None required for recommended use

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

### **Triton BK™ Backer Board**

**Skin Protection:** Protective Gloves and Clothing

**Eye Protection:** Safety Glasses or Goggles

**Respiratory Protection:** NIOSH dust mask. See Section 7 for guidance

**Ventilation:** General under Standard Conditions. Local Exhaust is recommended in High Dust Formation Areas.

**Other Protective Clothing or Equipment:** None

**Work/Hygienic Practices:** General Clean-up After Exposure. Score and snap generates less dust than sawing, which minimizes nuisance dust.

### **Ingredients- Exposure Limits**

Component	CAS Number	OSHA-PEL	ACGIH-TLV
Magnesium Oxide	1309-48-4	15 mg/m <sup>3</sup> (Nuisance Particulate)	10 mg/m <sup>3</sup> (Nuisance Particulate)
Perlite	130885-09-5	5mg/m <sup>3</sup> (Nuisance Dust)	10mg/m <sup>3</sup> (Total Nuisance Dust)



Fiberglass Scrim	65997-17-3	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	5 mg/m <sup>3</sup> (inhalable) 1 f/cc (respirable fibers)
Expanded Polystyrene	9003-53-6	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	5 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Quartz, crystalline silica	14808-60-7	50 mg/m <sup>3</sup> (total dust)	-

\*The weight percent for Crystalline Silica represents total Crystalline Silica and not the respirable fraction.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Crystalline silica has a detection limit of 3% in solid products. At levels below this, it is not expected to have any adverse health effects or be detectable in the dust. EU has determined that levels of crystalline silica in products at levels about 10 wt.% are dangerous. The US has yet to set a product limit and only specifies dust exposure levels. These products contain less than 3% and it is reported only because it is detectable. It is contained as an impurity in the Magnesium Oxide and is not added. It has been considered previously under the Magnesium Oxide CAS number but has been added in the 2017 revisions for transparency to EU users.

**Additional Information:** Products listed in this SDS do not contain any form of Asbestos.

## Section 9 – Physical and Chemical Properties

### **Triton WP™ Waterproof Membrane**

**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/cm<sup>3</sup> (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

### **Triton BK™ Backer Board**

**Boiling Point:** Solid

**Vapor Pressure (mm Hg):** Solid



**Vapor Density (AIR = 1):** Solid

**Solubility in Water:** Solid

**Specific Gravity (H<sub>2</sub>O = 1):** 0.85

**Melting Point (°F):** Blow torch applied for 30 minutes straight by local fire marshal with no significant side effects...also tested with flame temperatures of 1400 degrees Celsius

**Heat Deflection Temperature:** Not Available

**Evaporation Rate (Butyl Acetate = 1):** Solid

**Appearance and Odor:** Sheet

## Section 10 – Stability and Reactivity

**Stability:** Stable (Non-reactive to known substances)

**Conditions to Avoid:** No Known Conditions

**Incompatibility (Materials to Avoid):** No Known Substances

**Hazardous Decomposition or Byproducts:** No Known Conditions

**Hazardous Polymerization:** No Known Conditions

**Conditions to Avoid:** No Known Conditions

## Section 11 – Toxicological Information

### Triton WP™ Waterproof Membrane

#### **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

##### **Polyethylene**

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

### Triton BK™ Backer Board

All risk information above is basis the raw materials. This product has not toxic data.



## Section 12 – Ecological Information

### Triton WP™ Waterproof Membrane

**Eco Toxicological Effects:** No toxicity for the environment. 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

### Triton BK™ Backer Board

This product is safe for disposal and has no known adverse effects.

## Section 13 – Disposal Considerations

### Triton WP™ Waterproof Membrane

**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

### Triton BK™ Backer Board

Dispose of per federal, state and local government regulations. Recycle if possible.

## 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

### Triton WP™ Waterproof Membrane

#### **US Federal Regulations**

**Product:** TSCA Inventory – not listed

**Polyethylene:** TSCA Inventory – Listed, EPA Flags XU  
TSCA HPVC: not listed  
Carcinogen Status:  
- 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:





Triton, a division of MiTek®

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

### **Triton BK™ Backer Board**

US:


TSCA Inventory Status: Not listed

EPCRA 311/312 (Hazard Categories): Acute

EU regulation declaration:

Hazard elements of the STOT RE 2 label for products containing quartz (fine fraction 1-10%) or cristobalite (fine fraction 1-10%)

Warning



H 373: May cause damage to lungs through prolonged or repeated exposure via inhalation

## 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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