



MITEK® WATERPROOF BENCHES & CURBS SAFETY DATA SHEET (SDS)

The Benches and Curbs are a composite insert of 2lb density EPS expanded polystyrene foam insulation, as a base material. The entire assembly is coated with waterproof membrane. A finish coat of latex-modified, cementitious coating is then applied. This SDS will be treated as a two-part document covering:

(A) the expanded polystyrene foam thermal insulation

(B) the waterproof coating

(A) EXPANDED POLYSTYRENE THERMAL INSULATION

Section 1 – Product and Company Identification

Manufacturer: MiTek Inc.

Products: Waterproof Benches & Curbs

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: Waterproof Benches and associated foam products are intended for ease of use in tile or stone shower installations. Can also be used in kitchens, hallways, and other living. Comprised of two (2) primary components: (1) expanded polystyrene thermal insulation, and (2) the factory-applied waterproof coating.

Restrictions on use: No known adverse chemical reactions.

Section 2 – Health Hazard Identification

Eye:	Dust particles may cause eye irritation and/or injury
Skin Contact:	None. May product slight irritation in a few individuals
Ingestion:	Biologically inert. May act as an obstruction if swallowed.
Inhalation:	Little or no smell. May cause dizziness in a few individuals.
Systemic (Other Target Organ) Effects:	None.
Carcinogenicity:	None.
Teratology (Birth Defects):	None.
Reproductive Effects:	None.

Section 3 –Composition / Information on Ingredients

TLV PEL CAS

Chemical Name: Polystyrene

CAS Number: 009003-53-6

Flame Retardant Additive

This document was prepared pursuant to the OSHA hazard communication standard (29 CFR 1910.1200). In addition, other substances not hazardous per this OSHA standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard. This part of the document has been taken from SDS information supplied to us from Compotite.

Section 4 – First-aid Measures

Eye: Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Wash with mild soap and running water. Remove and launder contaminated clothing before reuse. Seek medical attention if irritation persists.

Ingestion: Ingestion of this material is unlikely. If it does occur, do not induce vomiting, seek medical attention.

Inhalation: Move person to fresh air. Seek medical attention if irritation persists

Section 5 – Fire-fighting Measures

Flash Point: 610 • F Min.

Method Used: ASTM D 1929

Flammable Limits LFL: Not Applicable

Flammable Limits UFL: Not Applicable

Extinguishing Media: Water Fog, Carbon Dioxide, Dry

Hazardous Combustion Products: Not Applicable

Fire-fighting Instructions:	Keep people away. Isolate fire area and deny unnecessary entry. If material is molten, do not apply direct water stream. Use fine water spray or foam. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone.
Protective Fire-fighting Equipment:	Use approved self-contained breathing apparatus and personal protective clothing (turn out gear)

Section 6 – Accidental Release Measures

(See Section 15 for Regulatory Information)

Protect People:	Clear non-emergency personnel from area. Use appropriate safety equipment. For additional information, refer to Section 08, Exposure Controls/Personal Protection.
Protect the Environment:	Fire/water run off may be toxic.
Cleanup:	Pick up, or if dust or in small pieces, sweep up and place in suitable container for disposal. See Section 13, Disposal Considerations.

Section 7 – Handling and Storage

Handling:	Use protective equipment (gloves, safety glasses, etc.) when handling uncontained material. Avoid breathing dusts from this material.
Storage:	Store in a well-ventilated area. Avoid direct exposure to very high heat, open flame or other source of ignition.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls:	Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.
Respiratory Protection:	Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, including but not limited to saw, router, or hot wire cutting, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator.
Skin Protection:	No precaution other than clean body-covering clothing should be needed.

Eye Protection: Use Safety Glasses. If there is a potential for exposure to particles, which could cause mechanical injury to the eye, wear chemical goggles.

Section 9 – Physical and Chemical Properties

Appearance (physical state, color, etc.)	Solid, TRITON® yellow
Odor:	Slight Hydrocarbon Odor
Odor Threshold:	Not Applicable
pH:	Not Applicable
Melting Point / Freezing Point:	Softens at 175 • F to 220 • F
Initial Boiling Point & Boiling Range:	Not Applicable
Flash Point:	610 • F Min.
Evaporation Rate (Water = 1):	None.
Flammability:	Not Applicable
Upper Flammability / Explosive Limit:	Not Applicable
Lower Flammability / Explosive Limit:	Not Applicable
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Relative Density:	2.0 pcf to 3.0 pcf
Solubility in Water:	Insoluble
Partition Coefficient: n-octanol/water:	Not Applicable
Auto-ignition Temperature:	Not Applicable
Decomposition Temperature:	Not Applicable
Viscosity (cps):	Not Applicable
VOC Content:	-
Percent Volatiles:	<4% (pentane and water)

Section 10 – Stability and Reactivity

Stability:	This is a stable material, avoid sources of ingestion
Incompatibility with Other Materials:	Reactive with oxidizing agents. Organic solvents, esters, amines and aldehydes will dissolve product. High temperature, poor ventilation with freshly expanded product may create hazardous, explosive or fire conditions.
Hazardous Decomposition Products:	Does not normally decompose. Evolution of small amounts of hydrogen halides occurs when heated above 250°C. Under high heat, non-flaming conditions, small amounts of aromatic hydrocarbons such as styrene and ethylbenzene are generated. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hazardous decomposition products may include and are not limited to ethylbenzene, aromatic compounds, aldehydes, hydrogen bromide, hydrogen chloride, hydrogen fluoride, polymer fragments, and styrene.
Hazardous Polymerization:	Will not occur

Section 11 – Toxicological Information

No known effects

Section 12 – Ecological Information

Ecotoxicity:	This product has not been tested. Based on information related to all raw materials in the finished product, it is not expected to harm the ecosystem through its applied use.
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Section 13 – Disposal Considerations

(See Section 15 for Regulatory Information)

Disposal:	For unused & uncontaminated product: For additional information, refer to Section 07, Handling & Storage Information. MiTek can provide names of information resources to help identify waste management companies and other facilities, which recycle, reprocess or manage Waterproof Benches/Curbs. Call MiTek for further details.
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Section 14 – Transport Information

Department of Transportation (DOT):	This product is not regulated by the D.O.T. when shipped domestically by land.
Canadian TDG Information:	This product is not regulated by the T.D.G. when shipped domestically by land.

Section 15 – Regulatory Information

(Not meant to be all-inclusive - selected regulations represented)

NOTICE: The information contained in this data sheet is furnished in good faith and without warranty, representations, or inducement or license of any kind, except that it is accurate to the best of MiTek's knowledge or was obtained from sources believed by MiTek to be reliable. The accuracy, adequacy, or completeness of health and safety precautions set forth herein cannot be guaranteed, and the buyer is solely responsible for ensuring that the product is used, handled, stored, and disposed of safely and in compliance with applicable federal, state, or provincial and local laws. MiTek disclaims liability for loss, damage, or personal injury that arises from or is in any way related to the use of the information contained in this datasheet.

U.S. Regulations:

SARA 313 Information:	This product contains the following substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372
Chemical Name:	Chlorodifluoroethane
CAS Number:	000075-00-3
Concentration:	< 15%
SARA Hazard Category:	This product has been reviewed according to the EPA "Hazard Categories" promulgated under sections 311 and 312 of the Superfund amendments and Reauthorization Act of 1986 (SARA, Title III) and is considered, under applicable definitions, to meet the following categories: Not to have met any hazard category.
State Right-to-Know:	The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the SDS.

Chemical Name:	Chlorodifluoroethane	Talc
CAS Number:	000075-00-3	014807-96-6
List:	NJ2 PAI NJ3	PAI NJ3

NJ2 = New Jersey Environmental Hazardous Substance (present at greater than or equal to 1.0%)

NJ3 = New Jersey Workplace Hazardous Substance (present at greater than or equal to 1.0%)

PAI = Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%)

OSHA Hazard Communication Standard: This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Canadian Regulations:

WHMIS Information: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is: This Product is not a "Controlled Product" under WHMIS.

Canadian Environmental Protection Act (CEPA): All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

Section 16 – Other Information

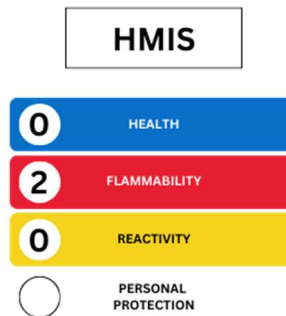
National Fire Protection Association (NFPA) Ratings:

Health 0 (minimal)
Flammability 2 (moderate)
Reactivity 0 (minimal)



HMIS Ratings:

Health 0 (minimal)
Flammability 2 (moderate)
Reactivity 0 (minimal)



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(A) the expanded polystyrene foam thermal insulation

(B) the waterproof coating

(B) THE WATERPROOF COATING

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Restrictions on use: avoid strong acids and bases.

Section 2 – Health Hazard Identification

Eye: Can cause slight irritation.

Skin Contact: Can cause slight irritation.

Ingestion: Can cause slight irritation.

Inhalation: Can cause slight irritation.

Systemic (Other Target Organ) Effects: No data available

Cancer Information: This product contains Crystalline (quartz) Silica, which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) Silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of this product.

Carcinogenicity Silica, Crystalline Quartz

ACGIH Suspected Human carcinogen

IARC	Human carcinogen
NTP	(NE)
OSHA	(NE)
Teratology (Birth Defects):	No data available
Reproductive Effects:	No data available

Section 3 –Composition / Information on Ingredients

Chemical Name	WT%	TLV (mg/m ³)	PEL (mg/m ³)	CAS Number	STEL	CEIL
Silica, Crystalline Quartz	15.00 - 40.00	0.05	0.1	14808-60-7	(NE)	(NE)

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(T) – Total (R) – Respirable (NE) – Not Established (P) - Proprietary

Section 4 – First-aid Measures

Eye:	Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
Skin Contact:	Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.
Ingestion:	Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
Inhalation:	Remove victim from exposure. If there is difficulty with breathing, administer oxygen. If breathing has stopped, administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

Section 5 – Fire-fighting Measures

Flash Point:	>2. 00.01 °F (93.34°C)
Flammable Limits LFL:	No data available

Flammable Limits UFL:	No data available
Extinguishing Media:	Water Fog, Foam, Carbon Dioxide, Dry Chemical
Hazardous Combustion Products:	No data available
Fire-fighting Instructions:	Suitable extinguishing methods include water fog, foam, carbon dioxide (CO ₂), and dry chemical.
Protective Fire-fighting Equipment:	As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

Section 6 – Accidental Release Measures

(See Section 15 for Regulatory Information)

Containment Procedures:	Take action to eliminate source of leak; contain spill by diking.
Cleanup Procedures:	Wear appropriate protective equipment (refer to section 10). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.
Special Procedures:	None known

Section 7 – Handling and Storage

Handling:	Keep out of reach of children. For personal protection see section 08.
Storage:	Keep tightly closed.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls:	Local exhaust ventilation can be necessary to control any air contaminants to within their TLV's during the use of this product.
Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.
Skin Protection:	Wear as appropriate: impervious clothing, preventive skin protection and/or impervious gloves.

Eye Protection:	Wear as appropriate: safety glasses with side-shields, goggles and/or face shield.
Hygienic Practices:	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of the workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices.

Section 9 – Physical and Chemical Properties

Appearance (physical state, color, etc.)	Liquid
Odor:	Mild acrylic
Odor Threshold:	No data available
pH:	9.1, 0
Melting Point / Freezing Point:	No data available
Initial Boiling Point & Boiling Range:	No data available
Flash Point:	>2. 00.01 °F (93.34°C)
Evaporation Rate (Water = 1):	Slower than Butyl acetate
Flammability:	No data available
Upper Flammability / Explosive Limit:	No data available
Lower Flammability / Explosive Limit:	No data available
Vapor Pressure:	No data available
Vapor Density:	Heavier than air
Relative Density:	1.5
Solubility in Water:	Dilutable
Partition Coefficient: n-octanol/water:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity (cps):	No data available
VOC Content:	11 g/l
Percent Volatiles:	No data available

Section 10 – Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	No data available
Materials to Avoid:	Strong acids and strong bases.
Hazardous Decomposition Products:	No data available
Hazardous Polymerization:	Will not occur under normal conditions

Section 11 – Toxicological Information

Exposure

Product	Type	Value
Silica, Crystalline Quartz	LC50	No data available
Acute toxicity	LC50	No data available

Product

Silica, Crystalline Quartz	LD50 (Oral)	No data available
Acute oral toxicity	LD50 (Oral)	1,300 mg/kg

Product

Silica, Crystalline Quartz	LD50 (Dermal)	No data available
Acute dermal toxicity	LD50 (Dermal)	No data available

Section 12 – Ecological Information

Movement & Partitioning:	No data available
Degradation & Persistence:	No data available
Ecotoxicity:	There is no data available for this product

Section 13 – Disposal Considerations

(See Section 15 for Regulatory Information)

Disposal: Handle disposal of waste material in a manner, which complies with local, state, province and federal regulations. For unused & uncontaminated product, use excess product in an alternate beneficial application.

For additional information, refer to Section 07, Handling and Storage Information

MiTek can provide names of information resources to help identify waste management companies and other facilities, which recycle, reprocess or manage Waterproof Benches/Curbs. Call MiTek for further details.

Section 14 – Transport Information

Department of Transportation (DOT): Proper shipping name - Not regulated.

International Air Transport Association (IATA): Proper shipping name - Not regulated.

Section 15 – Regulatory Information

(Not meant to be all-inclusive - selected regulations represented)

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SARA 311/312 (RTK): This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions to meet the following categories: IMMEDIATE(ACUTE) HEALTH HAZARD

SARA 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name:	WT%	CAS Number
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This product contains no chemical subject for the SARA 313 supplier notification requirements.

CERCLA: CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product:

Chemical Name:	RQ	CAS Number
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NO CERCLA chemicals exist in this product above reportable concentrations.

TSCA Section 12(b) Export Notification: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b), if exported from the United States:

Chemical Name:	CAS Number
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Benzyl Chloride	100-44-7
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California Proposition 65:	The chemical(s) below, and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this SDS, these chemicals are present at <0.1%:
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Chemical Name:	CAS Number
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Silica, Crystalline Quartz	14808-60-7
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Carbon Black	1333-86-4
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Benzyl Chloride	100-44-7
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Ethylene Oxide	75-21-8
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Benzene	71-43-2
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Toluene	108-88-3
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Mercury	7439-97-6
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Inorganic Lead	7439-92-1
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Arsenic	7440-38-2
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4-Vinylcyclohexene	100-40-3
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1,3-Butadiene	106-99-0
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Section 16 – Other Information

National Fire Protection Association (NFPA) Ratings:

Health: 1 (slight)

Flammability: 1 (slight)

Physical Hazard: 0 (minimal)

WHMIS Class:

D2B – Skin / Eye Irritant



Safety Data Sheet (SDS) issued October 24, 2024

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