



MATERIAL SAFETY DATA SHEET (MSDS)

Section 1: Product and Company Information

Product: MTube™ Wet

Company: Mississippi Textiles Corporation
160 Corporate Drive
Batesville, MS 38606

Emergency Contacts:

Emergency Contact (24 hours): 877-576-2653

Technical Contacts:

Technical Information (8am - 5pm CT): (662) 578-7797

Section 2: Composition and Ingredient Information

Name	C.A.S. #	% by Weight
Coated Polyester Felt, Article, not considered hazardous		10 ~ < 40
Polyester Resin	64386-66-9	30 ~ < 40
Styrene	100-42-5	15 ~ 30
Organic peroxide	Various	0.1 ~ < 1.0

Section 3: Hazards Identification

Appearance and Odor: Semi-solid / liquid with Characteristic Styrene Odor

Emergency Overview

No unusual emergency situations are expected from this product.

Primary Route (s) of Exposure: inhalation, skin, eye

Potential Health Effects:

ACUTE (short term): Uncured Product: Inhalation of vapors from uncured product may cause upper respiratory irritation and possible central nervous system effects including headaches, nausea, vomiting, dizziness, drowsiness, loss of coordination, impaired judgment, and general weakness. Direct contact may cause dryness, cracking, tenderness and irritation of the skin and may result in immediate irritation to the eyes with redness, burning, tearing and blurred vision. It may cause mouth, throat and gastrointestinal irritation, nausea, vomiting, and diarrhea if ingested.

Cured Product: Exposure to dusts and fibers generated from sawing, drilling or other forms of mechanical alteration of this product may result in itching and irritation of the mouth, nose, throat, skin or eyes. See Section 8 for exposure controls.

CHRONIC (long term): Uncured Product: Styrene is a possible cancer hazard (IARC Group2B). Prolonged exposure may result in nausea, loss of appetite, general weakness, changes in blood chemistry, and peripheral and central nervous system activity. Prolonged or repeated skin contact may result in irritation, dermatitis marked by rough, dry cracking skin.

Cured Product: There are no known chronic health effects associated with exposure to dusts and fibers generated from mechanical alteration of this product.

Section 4: First Aid Measures

General Information: Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation: Insure supply of fresh air. In the event of symptoms refer to medical treatment.

Skin Contact: In case of contact with skin wash off immediately with soap and water for 15 minutes. Seek medical advice if skin irritation persists.

Eye Contact: In case of contact with eyes rinse thoroughly with plenty of water for 15 minutes.

If irritation persists seek medical advice.

Ingestion: Seek Medical Attention

Section 5: Fire Fighting Measures

Flash Point and Method:	88°F (31°C) Method TCC
Flammability Limits (%):	LEL: 0.9 - Styrene UEL: 6.8 - Styrene
Auto Ignition Temperature:	914°F (490°C) - Styrene
Extinguishing Media:	Water spray, Foam, CO ₂ or dry chemical.
Fire Fighting Instructions:	In a sustained fire wear self-contained breathing apparatus and full protective gear.
Hazardous Combustion Products:	Primary combustion products are carbon monoxide, carbon dioxide, and low molecular weight hydrocarbons. Other undetermined compounds could be released in small quantities.

Section 6: Accidental Release Measures

Release of this product to the land, water and air may require reporting to local, state and federal agencies.

Methods for Cleanup: Remove all sources of ignition (flames, hot surfaces, and electrical static or frictional sparks). Insure adequate ventilation in the area. Material is insoluble in water. Soak up any residues with absorbent material (e.g. sand, sawdust, general purpose binder). Dispose of absorbed materials in accordance with local, state and federal agencies.

Section 7: Handling and Storage

Safe Handling Procedures: Use only in well ventilated areas.

Fire & Explosion: Keep away from sources of ignition.

Storage Temperature: Store below 77°F (25°C)

Storage Pressure: Not applicable.

General: Product will cure if exposed to elevated temperatures.

Section 8: Exposure Controls and Personal Protection

Ingredients	OSHA PEL	ACGIH TLV
Styrene	100 ppm TWA 200 ppm Ceiling 600 ppm (5 minute max peak in any 3 hours)	50 ppm TWA 100 ppm STEL

Engineering Controls: General dilution ventilation and /or exhaust ventilation should be provided as necessary to maintain exposures below the regulatory limits and to control irritation.

Personal Protection:

Respiratory Protection: For uncured product: If irritation occurs, or if the TLVs or PELs are exceeded, used a NIOSH/MSHA approved air purifying respirator with organic vapor cartridges or canisters, or supplied air respirators.

Skin Protection: When skin contact is possible, protective clothing is recommended.

Eye Protection: Safety glasses, goggles or face shield.

Work / Hygienic Practices: Handle in accordance with good industrial hygiene and safety practices. These include avoiding unnecessary exposure and removal of the product from skin, eyes and clothing. Remove contaminated clothing immediately. Wash thoroughly after skin contact.

Section 9: Physical and Chemical Properties
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Vapor Pressure: 4.5 Styrene(mm Hg @ 20°C)

Freezing Point: Not Available

Boiling Point: Not Determined

Viscosity: Not available

Physical State: Semisolid/Liquid

Odor Type: Aromatic

Lower Explosive Limit: 1.1%

Vapor Density (Air = 1): 4.5 Styrene

Specific Gravity (Water = 1): 1.2 - 2.0

Solubility in Water: Insoluble

pH: N/A

Appearance: Putty-like

Evaporation Rate (n-Butyl Acetate): N/A

Upper Explosive Limit: 6.0%

Section 10: Stability and Reactivity

General: Stable below 77°F (25°C)

Hazardous Decomposition Products: No hazardous decomposition products known.

Hazardous Polymerization: Ambient temperatures over 77°F (25°C) may cause product to cure. Avoid excessive heat and prolonged storage above 77°F (25°C). Violent polymerization is unlikely.

Section 11: Toxicological Information

Acute Oral Toxicity: Not Determined

Acute Dermal Toxicity: Not Determined

Acute Inhalation Toxicity: Not Determined

Eye Irritation: Not Determined

Skin Irritation: Not Determined

Respiratory Tract Irritation: Not Determined

Sensitization: Not Determined

Chronic Toxicity: Not Determined

Mutagenicity: Not Determined

Reproductive Toxicity: Not Determined

Carcinogenicity: Styrene Monomer has been classified by the International Agency for Research on Cancer (IARC) as a possible carcinogen to humans (Group 2B) due to "inadequate evidence in humans" and "limited evidence in animals."

Section 12: Disposal Considerations

RCRA Hazard Class: Not a RCRA hazardous waste. Prior to curing, this product may be considered a special waste by certain state and local disposal authorities.

Section 13: Transport Information

DOT Shipping Name: RQ, Resin Solution Flammable (contains styrene), 3 , UN1866, PG III.

Hazard Class or Division: 3

Secondary: None

Identification No.: UN 1866

Packing Group: III

Substances: Styrene **RQ:** 1000 lbs.

Transportation of Dangerous Goods – Canada

Proper Shipping Name: RQ, Resin Solution Flammable (contains styrene), 3 , UN1866, PG III.

TDG Hazard Classification: (Primary): 3 (Secondary): None

Product Identification No.: UN 1866

Packing Group: III

Schedule XII Quantity Restriction: None

Maximum Net Quantity per Package: Varies by project.

Section 14: Regulatory

TSCA Status: Each ingredient is on the Inventory. **NSR Status (Canada):** Each ingredient is on the DSL.

SARA Title III:**Hazard Categories:**

Acute Health:	yes
Chronic Health:	yes
Fire Hazard:	yes
Pressure Hazard:	no
Reactivity Hazard:	yes

Report Ingredients:

Sec. 302 / 304:	Styrene
Sec. 313	Styrene

Clean Air Act: Styrene is listed as a hazardous air pollutant. **WHMIS (Canada):** Status: Controlled product **WHMIS Classification:** D2A - possible carcinogen

Section 15: Other Information

HMIS and NFPA Hazard Rating:	Category	HMIS	NFPA
	Acute Health		
	Flammability Reactivity	2 3 2	2 3 2