

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Westex UltraSoft Woven Fabrics

1.2. Intended Use of the Product

Use of the substance/mixture: Woven fabrics for secondary FR protection for flash fire hazards and arc resistance.

1.3. Name, Address, and Telephone of the Responsible Party

Milliken & Co - Westex
122 West 22nd Street
Oak Brook, IL 60523
773-523-7000

1.4. Emergency Telephone Number

Emergency Number : 773-523-7000

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US classification

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

2.2. Label Elements

GHS-US Labeling

No labeling applicable

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Component	Product Identifier	%
Cotton fiber	N/A	65 - 90
Polyamide 6,6 fiber	(CAS No) 032131-17-2	0 - 12

3.2. Mixture

Name	Product Identifier	%
Phosphonium, tetrakis(hydroxymethyl)-, chloride (2:1)(salt), polymer with urea	(CAS No) 27107-30-9	10 - 25
Formaldehyde	(CAS No) 50-00-0	< 0.001

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: The need for first aid is not anticipated under normal conditions of use.

First-aid Measures After Inhalation: Not expected to be a primary route of exposure.

First-aid Measures After Skin Contact: Not expected to present a significant dermal hazard under anticipated conditions of normal use.

First-aid Measures After Eye Contact: Prolonged exposure may cause slight irritation to eyes.

First-aid Measures After Ingestion: Not expected to be a primary route of exposure.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible Dust.

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Explosion Hazard: Dust explosion hazard in air.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Risk of dust explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use of personal protective equipment (PPE) is not generally required but should be evaluated based on the extent and severity of accidental release.

Emergency Procedures: Evacuate the area if accidental release presents a significant hazard.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection as conditions warrant.

Emergency Procedures: Upon arrival at the scene a first responder is expected to protect oneself and the public, secure the area, and call for the assistance of trained personnel as conditions permit.

6.2. Environmental Precautions

The product does not pose a significant hazard to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain the product and collect as any solid.

Methods for Cleaning Up: Clean up accidental release immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping as conditions permit.

6.4. Reference to Other Sections

See Section 8 for advice on personal protective equipment and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Further processing of the product requires an evaluation of potential hazards based upon intended use. Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Precautions for Safe Handling: Avoid creating or spreading dust. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: No specific conditions are required for storage of the product.

Incompatible Products: None known.

7.3. Specific End Use(s): Woven fabrics for secondary FR protection for flash fire hazards and arc resistance.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Components in this product may have exposure guidelines; however exposure to hazardous ingredients is unlikely due to product form. The exposure limits provided are for reference purposes in the event that dusts or vapors of this product are generated.

Formaldehyde (50-00-0)		
USA ACGIH	ACGIH Ceiling (ppmv)	0.3 ppmv
USA ACGIH	ACGIH chemical category	dermal sensitizer,Suspected Human Carcinogen
USA NIOSH	NIOSH REL (TWA) (ppmv)	0.016 ppmv
USA NIOSH	NIOSH REL (ceiling) (ppmv)	0.1 ppmv
USA IDLH	US IDLH (ppmv)	20 ppmv
USA OSHA	OSHA PEL (TWA) (ppmv)	0.75 ppmv
USA OSHA	OSHA PEL (STEL) (ppmv)	2 ppmv (see 29 CFR 1910.1048)

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8.2. Exposure Controls

- Appropriate Engineering Controls** : Engineering controls are not required for normal use of this product. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices.
- Personal Protective Equipment** : Personal protective equipment is not generally required but should be evaluated based on conditions of use.
- Materials for Protective Clothing** : None required.
- Hand Protection** : Wear protective gloves to protect from abrasion.
- Eye Protection** : Safety glasses.
- Skin and Body Protection** : None required.
- Respiratory Protection** : Under normal conditions of use this product cannot be inhaled. If used in a way that creates dust or vapors, approved respiratory protection should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

- Physical State** : Solid
- Appearance** : Dyed in various colors.
- Odor** : No data available
- Odor Threshold** : No data available
- pH** : No data available
- Evaporation Rate** : No data available
- Melting Point** : No data available
- Freezing Point** : No data available
- Boiling Point** : No data available
- Flash Point** : No data available
- Auto-ignition Temperature** : No data available
- Decomposition Temperature** : No data available
- Flammability (solid, gas)** : No data available
- Vapor Pressure** : No data available
- Relative Vapor Density at 20 °C** : No data available
- Relative Density** : No data available
- Solubility** : No data available
- Partition Coefficient: N-Octanol/Water** : No data available
- Viscosity** : No data available

9.2. Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** None known.
- 10.5. Incompatible Materials:** None known.
- 10.6. Hazardous Decomposition Products:** Products of combustion include smoke, toxic fumes, compounds of carbon, hydrogen and oxygen, including carbon monoxide and oxides of phosphorous, sulfur and ammonia.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Phosphonium, tetrakis(hydroxymethyl)-, sulfate (2:1) (salt), polymer with urea (63502-25-0)	
ATE (Oral)	500.00 mg/kg body weight
ATE (Dermal)	1,100.00 mg/kg body weight

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

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Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

12.2. Persistence and Degradability

Westex UltraSoft Woven Fabrics	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Westex UltraSoft Woven Fabrics	
Bioaccumulative Potential	Not established.

12.4. Mobility in Soil: No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose in a safe manner in accordance with local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Phosphonium, tetrakis(hydroxymethyl)-, sulfate (2:1) (salt), polymer with urea (63502-25-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2 US State Regulations

Neither this product nor its chemical components appear on any US state lists.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 12/14/2015
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)