POLYESTER TIRE CORD GREIGE FABRIC

1. Product and Company Identification

Material name	**POLYESTER TIRE CORD GREIGE FABRIC**
MSDS #	WIN02
Revision date	10-Mar-2009
Company information	Performance Fibers Operations, Inc Winnsboro Plant 199 Maple Street Winnsboro, SC 29180
Emergency	Salisbury Plant Guardhouse: 1-704-636-6000 ext 4349

2. Composition/Information on Ingredients

Components	CAS#	Concentration
POLYETHYLENE TEREPHTHALATE	25038-59-9	96 - 99.9%
TITANIUM DIOXIDE	13463-67-7	<1%
FIBER LUBRICANTS	PROPRIETARY	<2%
COTTON	N/A	<1%

Composition comments

One or more of the ingredients may have been claimed as trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s), if any, are given on this MSDS.

3. Hazards Identification

Emergency overview

Low hazard exists for usual industrial or commercial handling. When the fabric products are cut, chopped, or manipulated in other similar handling methods, some dust may be produced.

Health Hazards: Routes of entry include Inhalation, Skin, Eyes and Ingestion.

FIRST AID: For inhalation exposure, move individual to fresh air. If not breathing, give CPR and seek medical attention immediately. For eye exposure, flush with plenty of water for 5 – 15 minutes and seek medical attention immediately. For skin exposure, wash with soap and water. If irritation develops, seek medical attention.

General hazard information

This fabric may have been produced using lubricants, additives and coatings. If this fabric contains any of these materials in an amount that may present a hazard, or requires additional precautions during normal handling and use, additional information has been included in the appropriate section in this MSDS.

OSHA regulatory status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CR 1910.1200), this MSDS contains valuable information for the safe handling and proper use of the product.

Potential health effects

Eyes

The fabric particles and dusts may be mechanically irritating when in contact with eyes. Symptoms include itching, burning, redness and tearing.

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Skin
Not expected to be a primary skin irritant. The fabric particles and dusts may be mechanically irritating to skin. While irritation is not expected under normal use, prolonged exposure and continuous rubbing of fiber particles on skin may produce skin irritation. Symptoms of mechanical irritation may include redness and/or itching.

Inhalation
Not a likely route of entry under normal use. Dusts produced during cutting or chopping of fabric may be irritating if inhaled.

Ingestion
Not a likely route of entry under normal use. Ingestion of large amounts of fibers may cause gastrointestinal blockage which can cause stomach distress.

Immediate Effects

Skin
Mechanical irritation may irritate skin.

Eyes
Mechanical irritation may irritate eyes.

Inhalation
Avoid inhalation.

Ingestion
Avoid ingestion.

4. First Aid Measures

First aid procedures

Eye contact
Flush eyes with plenty water for 5 – 15 minutes. If irritation persists get medical attention.

Skin contact
Wash with soap and water. If irritation develops, seek medical attention.

Inhalation
No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention, if cough or other symptoms develop. If not breathing, give artificial respiration. Get medical help immediately. If breathing is difficult, give oxygen. Get medical assistance immediately.

Ingestion
If swallowed, do NOT induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Consult a physician if necessary.

5. Fire Fighting Measures

Flammable properties
May burn, but does not ignite readily.

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Extinguishing media

Suitable extinguishing media

Use dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Protection of firefighters

Protective equipment and precautions for firefighters

Firefighters should wear full protective clothing including a self contained breathing apparatus.

Hazardous combustion products

Irritating and toxic gases or fumes may be released during a fire. Included are carbon monoxide, carbon dioxide, various hydrocarbon fragments, as well as, thick acrid smoke.

Flammability

Not determined

6. Accidental Release Measures

Methods for cleaning up

Sweep up or gather material and place in appropriate container.

7. Handling and Storage

Handling

Use care in handling/storage.

Storage

Keep away from heat, sparks, and flame.

Further information

When fabric products are cut, chopped, or manipulated in other similar handling methods, some dust may be produced. Use good housekeeping methods to keep accumulation of dust to a minimum.

8. Exposure Controls/Personal Protection

Exposure guidelines

Use local exhaust ventilation to keep formation of airborne dusts to a minimum when the fabric products are cut, chopped, or manipulated in other similar handling methods.

Engineering controls

Use local exhaust ventilation to keep formation of airborne dusts to a minimum when the fabric products are cut, chopped, or manipulated in other similar handling methods.

Personal protective equipment

Eye / face protection

When the fabric products are cut, chopped, or manipulated in other similar handling methods, it may be necessary to wear safety glasses with side shields.

Skin protection

No special protective clothing is needed for normal use and handling. When material is heated, wear gloves to protect against thermal burns.

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Respiratory protection
When dust or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate respiratory protection may be needed.

General hygiene considerations
Use good industrial hygiene practices in handling this material. Wash hands before breaks and at the end of workday.

9. Physical & Chemical Properties

Form/Appearance	Material is a Polyester Tire Cord Fabric
Color	White to Yellowish.
Odor	None.
Flammability	Not Determined
Melting point	482-572 °F(250-300 °C)
Odor threshold	Not Determined
Solubility (H2O)	Insoluble
VOC (Weight %)	Not applicable

10. Chemical Stability & Reactivity Information

Chemical stability
Stable, however, may decompose if heated. Molten fabric or prolonged air drying of fabric at temperatures above 195 °C will release small quantities of acetaldehyde (CAS# 75-07-0).

NIOSH – Pocket Guide-IDLHs (Immediately Dangerous to Life or Health)		
Acetaldehyde	75-07-0	2000 ppm IDLH
U.S. - OSHA-Final PELs-Time Weighted Averages (TWAs)		
Acetaldehyde	75-07-0	200 ppm TWA; 360 mg/m3 TWA
U.S. – OSHA-Vacated PELs-TWAs		
Acetaldehyde	75-07-0	100 ppm TWA; 180 mg/m3 TWA
ACGIH-Threshold Limits Values – Ceilings (TLV-C)		
Acetaldehyde	75-07-0	25 ppm Ceiling
ACGIH – Threshold Limits Values – TLV Basis – Critical Effects		
Acetaldehyde	75-07-0	eye and upper respiratory tract irritation

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
This product may react with strong oxidizing agents.

11. Toxicological Information

Toxicological information
Due to this material's high molecular weight, and results of toxicity studies of similar products, this material is considered to be of little to no toxicological concern.

Skin contact
Similar products produced no irritation or sensitization in skin tests on human subjects.

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12. Ecological Information

Ecotoxicity

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. Based on similar substances, this material is expected to be essentially non-biodegradable.

Environmental effects

Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.

13. Disposal Considerations

Disposal instructions

Any unused product, if discarded, is not considered a RCRA hazardous waste. Dispose of as a nonhazardous waste in accordance with local, state and federal regulations.

The information offered here is for the product as shipped. Use of and / or alterations to the product, such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method

14. Transport Information

Department of Transportation (DOT) Requirements

Not regulated

General

Not regulated as dangerous goods.

15. Regulatory Information

United States Regulations

Federal Regulations

Product as supplied, is an article under TSCA.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard – No Delayed Hazard – No Fire Hazard – No Pressure Hazard – No Reactivity Hazard – No
Section 302 extremely Hazardous substance	No

International Regulations

As an article the product does not need to be labeled in accordance with ED-directives or respective national laws.

16. Other Information

HMIS ratings	Health: 0 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 1 Instability: 0

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Disclaimer:

The information in this Material Safety Data Sheet relates only to the specific material designated and may not apply where such material is used in combination with any other material or in any process. This information is to the best of our knowledge based on accurate and reliable information, but may be subject to revision as new information becomes available. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. Each user is responsible for satisfying itself as to the suitability of such information for its own particular use; therefore additional safety precautions may be required.