

**POLYESTER LOW DENIER FILAMENT FIBER****1. Product and Company Identification**

**Material name** POLYESTER LOW DENIER FILAMENT FIBER  
**MSDS #** SHY01  
**Revision date** 25-Jun-2008  
**Company information** Performance Fibers Operations, Inc  
Shelby Plant  
2525 Blacksburg Road  
Grover, NC 28073

**Emergency** Salisbury Plant Guardhouse: 1-704-636-6000 ext 4349

**2. Composition/Information on Ingredients**

<b>Components</b>	<b>CAS#</b>	<b>Concentration</b>
POLYETHYLENE TEREPHTHALATE	25038-59-9	95 - 99.9%
TITANIUM DIOXIDE	13463-67-7	<1%
CARBON BLACK	1333-86-4	0 - 2%
FIBER LUBRICANTS	PROPRIETARY	<2%

**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 fiber products are cut, chopped, or manipulated in other similar handling methods, some dust may be produced.

**General hazard information**

This fiber may have been produced using lubricants, additives and/or finishes. If this fiber 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**

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

**Skin**

Not expected to be a primary skin irritant. Fiber 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 fibers may be irritating if inhaled.

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### **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.

## **4. First Aid Measures**

### **First aid procedures**

#### **Eye contact**

Flush eye with water as a precaution. If irritation persists get medical attention.

#### **Skin contact**

Product is not expected to be hazardous by skin contact. Should irritation occur, rinse with water.

#### **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.

#### **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.

### **Extinguishing media**

#### **Suitable extinguishing media**

Use dry chemical, CO<sub>2</sub>, 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 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.

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### Storage

Keep away from heat, sparks, and flame.

### Further information

When fiber 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 fiber 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 fiber products are cut, chopped, or manipulated in other similar handling methods.

### Personal protective equipment

#### Eye / face protection

When the fiber 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.

#### 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

<b>Form/Appearance</b>	Material is a low denier filament yarn.
<b>Color</b>	Based on specification.
<b>Odor</b>	None.
<b>Flammability</b>	Not Determined
<b>Melting point</b>	482-572 °F(250-300 °C)
<b>Odor threshold</b>	Not Determined
<b>Solubility (H2O)</b>	Insoluble
<b>VOC (Weight %)</b>	Not applicable

## 10. Chemical Stability & Reactivity Information

### Chemical stability

Stable, however, may decompose if heated. Molten polymer or prolonged air drying of polymer 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
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#### U.S. - OSHA-Final PELs-Time Weighted Averages (TWAs)

Acetaldehyde	75-07-0	200 ppm TWA;360 mg/m3 TWA
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**POLYESTER LOW DENIER FILAMENT FIBER****U.S. – OSHA-Vacated PELs-TWAs**

Acetaldehyde 75-07-0 100 ppm TWA; 180 mg/m<sup>3</sup> 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.

**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 to 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 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.

