



Auriga Polymers Inc.  
1550 Dewberry Road  
Spartanburg, SC 29307  
Ph: (864)579 5650

## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

**Material name** Polyester Fiber  
**Version #** 1.1  
**Issue/Revision date** March 1, 2011/March 15, 2011  
**MSDS Number** 2000

#### Company information:

**Auriga Polymers Inc.**  
(A wholly-owned subsidiary of Indorama Ventures Pcl)  
1550 Dewberry Rd.  
Spartanburg, South Carolina

**Emergency** Transport Emergency CHEMTREC 1-800-424-9300

**General Information** Product Information 1-864-579-5650

### 2. Composition I Information on Ingredients

<u>Components</u>	<u>CAS #</u>	<u>Concentration</u>
POLYETHYLENETEREPHTHALAT	POLYMER	90 – 99.9%
TITANIUM DIOXIDE	13463-67-7	0 – 5 %
FIBER LUBRICANTS	PROPRIETARY	0.02 – 2 %

#### Composition comments

One or more of the ingredients 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. Molten polymer or prolonged air drying of polymer at temperatures above 195°C will release small quantities of acetaldehyde (CAS# 75-07-0. This product may have been produced with Titanium Dioxide. Titanium Dioxide is not water soluble and is encapsulated. It is not extracted or released in normal processing. Therefore Titanium Dioxide in this material does not present a hazard in normal handling, processing use and disposal.

### 3. Hazards identification

#### Emergency overview

Low hazard for typical 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.

This fiber may have been produced with titanium dioxide. This compound, as present in this material, is not water soluble and is encapsulated in the polymer. It is not extracted or released in normal processing and handling. Therefore this compound is not expected to present a hazard in normal handling, processing, use and disposal.

## **OSHA Regulatory Status**

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 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**

Health injuries are not known or expected under normal use.

### **Ingestion**

Not a likely route of entry. 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 eyes 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.

### **Notes to physician**

Treat symptomatically.

## **5. Fire Fighting Measures**

### **Flammable Properties**

May burn, but does not ignite readily.

### **Extinguishing media**

#### **Suitable extinguishing media**

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 self contained breathing apparatus.

### Hazardous combustion products

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

## 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 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

Molten polymer or prolonged air drying of polymer at temperatures above 195 O( will release small quantities of acetaldehyde (CAS# 75-07-0).

### 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

Wear suitable protective clothing. When material is heated, wear gloves to protect against thermal burns.

#### Respiratory protection

When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate respiratory protection must be provided.

#### 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 may be a filament yarn, staple or tow.
<b>Color:</b>	Based on specification.
<b>Odor:</b>	None
<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>	0.5% estimated

## 10. Chemical Stability & Reactivity Information

### Chemical stability

Stable, however, may decompose if heated.

### 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.

This fiber may have been produced with titanium dioxide. Titanium dioxide, as present in this material, is not water soluble and is encapsulated in the polymer. Titanium dioxide is not extracted or released in normal processing and handling. Therefore titanium dioxide not expected to present a hazard in normal handling, processing, use and disposal.

### Component analysis -

#### Carcinogenicity

Titanium dioxide (airborne particles of respirable size) is a listed carcinogen by IARC (2B). Titanium dioxide used in products of this material is not believed to have the potential to become of respirable size.

#### 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

Dispose in accordance with all applicable regulations.

## 14. Transport Information Department of Transportation (DOT) Requirements

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

### General

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

## 15. Regulatory Information United States Regulations

### United States Regulations

#### Federal Regulations

Product, as supplied, is an article under TSCA.

This fiber may have been produced with titanium dioxide. This substance, as present in this material, is not water soluble and is encapsulated in the polymer. Titanium dioxide is not extracted or released in normal processing and handling. Therefore this compound is not expected to present a hazard in normal handling, processing, use and disposal.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard Categories</b>	Immediate Hazard – No
	Delayed Hazard – Yes
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard – No
	Environmental Hazard – No

**Section 302 extremely hazardous substance - No**

#### International Regulations

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

## 16. Other Information

<b>HMIS ratings</b>	Health: 0 Flammability: 1 Physical Hazard: 0
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<b>NFPA ratings</b>	Health: 0 Flammability: 1 Instability: 0
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#### Disclaimer:

**This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed all the information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that may infringe existing patents. No warranty is made, either express or implied.**

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Reason for issue: To remove references to obsolete products  
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