



Hesgon

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## SAFETY DATA SHEET

### 1.- Product Identification

<b>Product Name</b>	Fiber Glass, Polyester, Polyester/Fiber Glass . untreated narrow woven fabric
<b>Company Information</b>	Hesgon 3330 East 14 <sup>th</sup> Street Brownsville, Texas 78521
<b>Telephone Number</b>	1-956-542-5491
<b>Emergency Phone Number</b>	1-956-542-5491

### 2.- Hazards Identification

#### Emergency Overview

#### **Polyester narrow woven fabrics made of polyester yarns**

Low hazard exists for usual industrial or commercial handling

#### **General hazard information**

This yarn may have been produced using lubricants, additives. If this yarn 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

Tearing.

##### **Skin**

Not expected to be a primary skin irritant. Fiber particles and dusts may mechanically irritating to skin. While irritation is not expected under normal us, 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.

**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.

**Fiber Glass narrow woven fabrics made of fiber glass yarns**

Fiberglass may cause mechanical irritation to the skin, eye an upper respiratory tract.

**Precautions**

Avoid contact with eyes. Avoid contact with skin. Avoid breathing dust. Do not swallow. Do not eat, drink, smoke in work area.

Wash thoroughly after handling.

**3.- Composition / Information on Ingredients**

Components	CAS#	Concentration
<b>Polyester narrow woven fabrics made of polyester yarns</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%
<b>Fiber Glass narrow woven fabrics made of fiber glass yarns</b>		
Fibrous glass	65-17-3	>95 (typical)
Organic Surface Binder/Sizing	NONE	<5 (typical)

E-glass is composed principally of oxides of silicon, aluminum and calcium, fused in an amorphous vitreous state

**4.- First Aid Measures****Polyester narrow woven fabrics made of polyester yarns****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.

## **Fiber Glass narrow woven fabrics made of fiber glass yarns**

### **Inhalation**

Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment

Information

### **Eyes contact**

Remove contact lens and pour a gentle stream of warm water through the affected eye for at least 15 minutes. If irritation persists contact a poison control center, emergency room, or physician as further treatment may be necessary.

### **Skin contact**

Run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. If any symptoms persist, contact a poison control center, , emergency room, or physician as further treatment may be necessary.

### **Ingestion**

Gently wipe or rinse the inside of the mouth with water. Sips of water can be given.

Never give anything by mouth to an unconscious person. Contact a poison control center, , emergency room, or physician for treatment information.

## **5.- Fire Fighting Measures**

### **Polyester narrow woven fabrics made of polyester yarns**

#### **Flammable properties**

May burn, but does not ignite readily.

#### **Extinguishing media**

##### **Suitable extinguishing media**

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

##### **Unsuitable extinguishing media**

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

#### **Protection of 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. Included are carbon monoxide, carbon dioxide, various hydrocarbon fragments, as well as, thick smoke.

#### **Flammability**

Not determined

### **Fiber Glass narrow woven fabrics made of fiber glass yarns**

#### **Flash point**

N/A

**Extinguishing media**

Use extinguishers appropriate for surrounding fire.

**Special firefighting procedures**

Fiber Glass itself will not support combustion, but in a sustained fire, proper protection against products of combustion from the fuel and sizing binder must be worn.

**6.- Accidental Release Measures****Polyester narrow woven fabrics made of polyester yarns****Methods for cleaning up**

Sweep up or gather material and place in appropriate container

**Fiber Glass narrow woven fabrics made of fiber glass yarns****Action to be taken if material is released or spilled**

Sweep up or gather material and place in proper container for disposal or recovery. Use vacuuming or wet sweeping methods instead of dry sweeping.

**7.- Handling and Storage****Polyester narrow woven fabrics made of polyester yarns****Handling**

Use care in handling/storage

**Storage**

Keep away from heat, sparks, and flame.

**Fiber Glass narrow woven fabrics made of fiber glass yarns****Precautions to be taken during handling and storage**

Store in dry area . Material is not an electrical conductor, and may accumulate static charge

**8.- Exposure Controls/Personal Protection****Polyester narrow woven fabrics made of polyester yarns****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.

**Personal protective equipment****Eye/face protection**

When the fiber products are cut 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.

**Fiber Glass narrow woven fabrics made of fiber glass yarns****Exposure limits**

8-hour Time Weighted Average (TWA); 15 minute Short-Term Exposure Limit (STEL)

**OSHA**

15 mg/m<sup>3</sup>TWA. (total dust)

5 mg/m<sup>3</sup> (respirable fraction)

**ACGIH**

5 mg/m<sup>3</sup> TWA (inhalable fraction)

1 fiber/cm<sup>3</sup> TWA (respirable fraction)

**Respiratory protection**

If use or application of this product generates dust, use an appropriate NIOSH-approved particulate filter respirator.

**Ventilation**

Use local exhaust or general room / dilution ventilation sufficient to maintain employee exposure below the permissible exposure limits.

**Eye/face protection**

Standard safety glasses with side shields.

**Protective gloves**

Use gloves to protect against physical irritation or injury if required by handling conditions.

**Other protective equipment**

Wear clean, body-covering clothing. Good personal hygiene and the use of barrier creams, caps, protective gloves, cotton coveralls or long sleeved loose fitting clothing will maximize comfort. Vacuum equipment may be used to remove fibers from clothes. Work clothing should be laundered separately from other clothing before reuse.

## 9.- Physical & Chemical Properties

### Polyester narrow woven fabrics made of polyester yarns

Form/Appearance	Material is a filament yarn
Color	White and/or color
Odor	None
Flammability	Not determined
Melting point	482-572oF (250-300oC)
Odor threshold	Not determined
Solubility (H2O)	Insoluble
VOC (Weight %)	Not applicable

### Fiber Glass narrow woven fabrics made of fiber glass yarns

Boiling point	NA
Vapor Density (Air=1)	Not applicable
Specific Gravity (Water=1)	2.6 – 2.7 (bare glass)
pH	NA
Freezing/Melting Point	>-1400oF (800oC)
Solubility (wt.% in water)	insoluble
Bulk Density (kg/M3)	NA
Volume % Volatile	None
Vapor Pressure	NA
Evaporation Rate	NA
Heat of Solution	NA
Physical State	Solid
Odor	Odorless
Color	White

## 10.- Stability & Reactivity

### Polyester narrow woven fabrics made of polyester yarns

#### Chemical Stability

Stable, however, may decompose if heated. Molten polymer or prolonged air drying of polymer at temperatures above 195oC 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

**U.S. – OSHA-Vacated PELs-TWAs**

Acetaldehyde 75-07-0 100 ppm TWA; 180 mg/m3 TWA

**ACGIH-Threshold Limits Values – Ceilings (TLVC-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

**Fiber Glass narrow woven fabrics made of fiber glass yarns**

**Stability**

Stable

**Hazardous Polymerization**

Will not occur

**Incompatibility (Conditions/materials to avoid)**

None known

**Hazardous thermal decomposition/combustion products**

Fiber Glass will not burn, but smoking of the product may occur at approximately 400 – 500 oF (approximately 200 – 260 oC) due to decomposition of the surface binder. Surface binders may decompose in a fire situation and release carbon monoxide, carbon dioxide and water. Additionally, there are many chemicals that can evolve during any partial decomposition of chemical products. The amounts or identities cannot be predicted and can differ in each situation.

**11.- Toxicological Information**

**Polyester narrow woven fabrics made of polyester yarns**

Due to the high molecular weight, and results of toxicity studies of similar products, this material is to be of little to no toxicological concern.

**Skin contact**

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

**Fiber Glass narrow woven fabrics made of fiber glass yarns**

**Carcinogenicity status**

This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC., or OSHA

**Medical conditions aggravated**

None known

**Effects of overexposure**ACUTE

Eye: Dusts from this product may cause temporary mechanical irritation to the eyes

Skin: Dusts from this product may cause temporary mechanical irritation to the skin

Inhalation: Dusts from this product may cause temporary mechanical irritation of the nose, throat and respiratory tract.

Ingestion: Although ingestion of this product is not likely to occur in industrial applications, accidental ingestion may cause irritation to the mouth and gastrointestinal tract.

CHRONIC

There are not known health effects from the long term use or contact with nonrespirable continuous filament fibers. Nonrespirable fibers cannot reach the deep lung because they have a diameter of greater than 3.5 micrometers.

Fibers of this diameter cannot penetrate the narrow, bending passages of human respiratory tract to reach the lower regions of the lung and thus, have no possibility of causing serious pulmonary damage. Instead, they deposit on the surfaces of the upper respiratory tract, nose, or pharynx. These fibers are then cleared through normal physiological mechanisms.

**12.- Ecological Information****Polyester narrow woven fabrics made of polyester yarns****Eco toxicity**

This product is not expected to produce significant eco toxicity upon exposure to aquatic organisms and aquatic systems.

Based on similar substances, this material is expected to be essentially non-biodegradable.

**Environmental affects**

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

**Fiber Glass narrow woven fabrics made of fiber glass yarns****Eco toxicological information**

Fiber Glass is generally considered to be an inert solid waste. No special precautions are needed in case of a release or spill.

**Environmental fate**

No data at this time.

**13.- Disposal Considerations****Polyester narrow woven fabrics made of polyester yarns****Disposal instructions**

Any unused product, if discarded, is not considered a RCRA hazardous waste. Dispose as a nonhazardous waste in accordance



to local, state and federal regulations.

### **Fiber Glass narrow woven fabrics made of fiber glass yarns**

#### **Disposal instructions**

Waste material must be disposed of in accordance with federal, state, provincial and local environmental control regulations.

## **14.- Transport Information**

### **Polyester narrow woven fabrics made of polyester yarns**

#### **Department of Transportation (DOT) Requirements**

Not regulated

#### **General**

Not regulated as dangerous goods.

### **Fiber Glass narrow woven fabrics made of fiber glass yarns**

#### **Proper Shipping Name**

Not regulated

## **15.- Regulatory Information**

### **Polyester narrow woven fabrics made of polyester yarns**

#### **United States Regulations**

##### **Federal Regulations**

Product as supplied, is an article under TSCA

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

<b>Hazard categories</b>	Immediate Hazard – No
	Delayed Hazard – No
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard – No

**Section 302 extremely** No

#### **Hazardous substance**

#### **International Regulations**

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

### **Fiber Glass narrow woven fabrics made of fiber glass yarns**

**USA TSCA:** This product is considered an article and is exempt from TSCA requirements

**SARA TITLE III**

<b>SARA (311. 312) Hazard Class</b>	NA
<b>SARA (313) Chemicals</b>	Not listed
<b>SARA Extremely Hazardous Substance</b>	Not listed
<b>CERCLA Hazardous Substance</b>	Not listed

**16.- Other Information**

**Polyester narrow woven fabrics made of polyester yarns**

<b>HMIS ratings</b>	Health: 0 Flammability: 1 Physical hazard: 0
<b>NFPA</b>	Health: 0 Flammability: 1 Physical hazard: 0

**Fiber Glass narrow woven fabrics made of fiber glass yarns**

These products do not contain, nor are manufactures with, Class 1 or Class II Ozone-Depleting Chemicals (CFCs) identified in the Clean Air Act Amendment, 1990 List of Ozone Depleting Chemicals.

**Revision Date**

May 21, 2015

September 27, 2012

May 10, 2009

**Disclaimer:**

The information on this Material Safety Data Sheet was prepared based on the information provided by the raw material manufacturers. No representation, warranty or guarantee is made 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 precautions may be required.