Hesgon

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SAFETY DATA SHEET

1.- Product Identification

Product Name	Polyester/Fiberglass woven narrow fabrics
Company Information	Hesgon
	3330 East 14th Street
	Brownsville, Texas 78521
Telephone Number	1-956-542-5491
Emergency Phone Number	1-956-542-5491

2.- Hazards Identification

Emergency Overview

Warp yarn - Polyester

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 SDS.

OSHA regulatory status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CR 1910.1200). this SDS 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.

Filling yarn- Fiberglass

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
Warp yarn - Polyester		
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%
Filling yarn- Fiberglass		
Fibrous glass	65-9917-3	>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

Warp yarn - Polyester

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.

Filling yarn- Fiberglass

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

Warp yarn - Polyester

Flammable properties

May burn, but does not ignite readily.

Extinguishing media

Suitable extinguishing media

Use dry chemical, CO_2, 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

Filling yarn- Fiberglass

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

Warp yarn - Polyester

Methods for cleaning up

Sweep up or gather material and place in appropriate container

Filling yarn- Fiberglass

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

Warp yarn - Polyester

Handling

Use care in handling/storage

Storage

Keep away from heat, sparks, and flame.

Filling yarn- Fiberglass

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

Warp yarn - Polyester

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.

Filling yarn- Fiberglass

Exposure limits

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

OSHA

15 mg/m3TWA. (total dust)

5 mg/m3 (respirable fraction)

ACGIH

5 mg/m3 TWA (inhalable fraction)

1 fiber/cm3 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 exhaustion 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

Warp yarn - Polyester

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

Filling yarn- Fiberglass

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

Warp yarn - Polyester

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

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

Filling yarn- Fiberglass

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

Warp yarn - Polyester

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.

Filling yarn- Fiberglass

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 non-respirable continuous filament fibers. Non-respirable 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

Warp yarn - Polyester

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.

Filling yarn- Fiberglass

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

Warp yarn - Polyester

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.

Filling yarn- Fiberglass

Disposal instructions

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

14.- Transport Information

Warp yarn - Polyester

Department of Transportation (DOT) Requirements

Not regulated

General

Not regulated as dangerous goods.

Filling yarn- Fiberglass

Proper Shipping Name

Not regulated

15.- Regulatory Information

Warp yarn - Polyester

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	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.

Filling yarn- Fiberglass

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

SARA TITLE III

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

16.- Other Information

Warp yarn - Polyester

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

Filling yarn- Fiberglass

These products don not contain, nor are manufactured 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

August 2, 2016

May 21, 2015

September 27, 2012

May 10, 2009