

SAFETY DATA SHEET FOR CIRCULAR KNITTED POLYESTER FABRIC
Revised: 02.14.2020

1. Identification

1.1 Product

Product Description:

Knitted Polyester Fabric in tubular form of various colours or combinations thereof, in roll form or in lengths

Recommended Use:

Various industrial applications

Emergency Phone:

(519) 457-7166 / (866) 457-7166

Supplier Name:

Zodiac Fabrics Company

Address:

688 Sovereign Road, London Ontario, N5V 4K7
Canada

Prepared By:

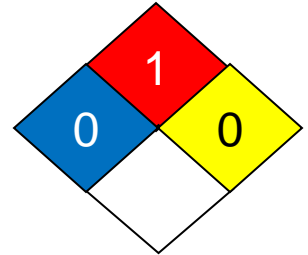
Zodiac Fabrics Company

Phone:

(519) 457-7166 / (866) 457-7166

Preparation Date:

February 14, 2020



2. Hazards Identification

Health:

0

Flammability:

1

Reactivity:

0

Special Notice:

None

Emergency Overview

We believe that there is no risk to the health of employees if the fabric is handled properly and used for its intended purpose.

3. Composition / Information on Ingredients

Composition

%

CAS-Name	Polyethylene terephthalate with fiber finish	CAS-Number	25038-59-9
Polymer (PET)			N.D. (Not defined)
Additives			
Titanium dioxide			0 – 1.5
Polyaliphaticimide-copolymer			0 – 2.0
Carbon black			0 – 2.5
Spinfinish/Cone oil			0.8 – aprox. 3.0
Size: Aliphatic polyester			0 – aprox. 8
Dyestuff			0 – aprox. 6
Mineral oil			0 – aprox. 0.2

Components (remarks)

Fabric finish

The product itself is not toxic, if the fabric is used as intended, so far no impairments of health have become known.

If being used at temperatures between approximately 130°C and 190°C the applied finish may evaporate or decompose.

If the product is intended for use in special applications (e.g. in the food industry or in the hygiene, medical or surgery sectors) special requirements specific to application should be investigated.

There are only dyestuffs used, which -according to suppliers information- cannot release amines of MAK classes III A1 or III A2 or which are indicated as carcinogens.

Residual solvents: n.a.

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4. First-Aid Measures

Inhalation

A hazard caused by the inhalation of the product is unlikely, therefore, no special treatment is necessary. If fabric is being cut within confined spaces fiber fly, dust and decomposition products of the finishes may develop and should be avoided by means of removal by suction and ventilation. If exposed to excessive levels of fiber dust or fly, remove to fresh air and get medical attention if cough or other symptoms develop.

Ingestion

Unlikely to be ingested. No specific cautions necessary. Get medical attention if required.

Skin Contact

Wash with soap and water. Get medical attention if irritation develops or persists.

Eye Contact

Fiber fly and dust may cause eye irritation in extreme conditions. Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

5. Fire Fighting Measures

Flammable Properties

Flash point	Non applicable, product will burn in a fire
Forced ignition temperature	Non detected
Auto-ignition temperature	510°C
Decomposition temperature	> 350°C

Hazardous Combustion Products:

Carbon dioxide and carbon monoxide.
Under certain circumstances also low molecular weight organic compounds.

Unusual Fire and Explosion Hazards:

Accumulation of fiber dust and fly at sufficient concentrations could present a fire hazard. Keep away ignition sources. Do not forget the effects of electrostatic charge.

Extinguishing Media

Suitable Media:	All generally used extinguishing media
Unsuitable Media:	Water if fire was caused by an electrical short circuit

Fire Fighting in Confined Spaces:	Use autonomous respirators.
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6. Accidental Release Measures

Cleaning Up

Gather loose fabric and dispose of as non-hazardous waste. Before cleaning up, study the sections "5. Fire Fighting Measures" and "7. Handling and Storage" of this document. Use personal protection during cleaning activities.

7. Handling and Storage

All fabric rolls or pieces, storage cartons and bales should be stored in accordance with relevant provisions and good material handling practices.

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8. Exposure Controls and Personal Protection

Avoid extreme concentrations of fiber fly, dust and decomposition products of the finish by means of removal by suction and ventilation.

Personal Protective Equipment

Eye Protection:	Wear safety glasses with side shields (or goggles)
Skin Protection:	Fabrics being handled or processed at high speeds can cause abrasions and cuts. It is a good industrial hygiene practice to minimize skin contact.
Respiratory Protection:	Should only be needed if relevant provisions (e.g. MAK values) have been enacted.

9. Physical and Chemical Properties

Appearance

Physical State:	Filament yarn, knitted into tubular fabric form of various widths and colours in roll form or in cut lengths
Odor and Appearance:	Slight odor of mineral based lubricating oils
Colour:	Bright or dull White or dyed of various colours or combinations thereof.

Safety-Relevant Data

Specific gravity	1.3 – 1.4 gr/cc @ 20°C
Melting point	250 – 260 °C
Solubility in water	Negligible
Content of solvents	n.a.
Forced ignition temperature	Not detected
Auto-ignition temperature	510°C
Decomposition Temperature	> 350°C

10. Stability and Reactivity

Chemical Stability	Stable
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Conditions to Avoid

Temperatures above 350°C will cause decompositions in the presence of oxygen (see also items 5. Flammable Properties and 10. Decomposition).

Incompatibility with Other Materials

Incompatible or can react with strong oxidizers, bases and acids.

Decomposition

Hazardous decomposition products: carbon dioxide, carbon monoxide under certain circumstances also low molecular weigh organic compounds.

Polymerization

Polymerization will not occur.

11. Toxicological Information

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The product itself does not present special risks on humans if used in accordance with good Industrial hygiene practice and the concerning legal requirements. Spin-finish on the fabric may cause skin irritation at long-term contact.

12. Ecological Information

The fabric (polymer) is ecologically not hazardous.
Above 130°C the finish will evaporate or start to decompose.

13. Disposal Considerations

Complying with local statutory regulations, the fabric product is to be disposed like non hazardous waste in an authorized disposal facility.

14. Transportation Information

There is no data available
Not classified as hazardous.

15. Regulatory Information

The fabric product is not a hazardous product in the meaning of national and international regulations/provisions.

16. Other Information

The information contained in this Safety Data Sheet (SDS) for circular knitted polyester fabric refers exclusively to fabric product described herein. It covers neither its use in combination with any other material/preparation/product nor its use in any process.

The objective of the SDS for circular knitted polyester fabric is to provide adequate information to commercial uses of said fabric and to thus make a contribution to the protection of human beings and the environment.

The information contained in this SDS for man made fibers reflects the standard of knowledge of the party completing the sheet at the time of printing. It is no contractual warranty of properties.

Abbreviations: n.d.: not detected
 n.a.: not applicable