



JULIUS INDUSTRIES LIMITED

Technical Report: (8821)152-0025

Date Received: Jun 1, 2021

Jun 1, 2021

Page 1 of 2

JULIUS INDUSTRIES LIMITED
UNIT2108-2109, 21/F, CCT TELECOM BUILDING, 11
WO SHING STREET, FOTAN, SHATIN, HONG KONG

Sample Description:	86% POLYESTER, 8% SPANDEX, 6% LONIC+' METALLIC KNIT FABRIC		
Vendor:	N/A	Sample Size:	1
Manufacturer:	N/A	Style No(s):	WTN87004
Labeled Age Grade:	NOT RECORD	SKN/SKU No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	PO No.:	NOT PROVIDE
Client Specified Age Grade:	NOT SPECIFIED	Ref #:	NOT PROVIDE
Tested Age Grade:	N/A	Country of Origin:	NOT PROVIDE
UPC Code:	N/A	Assortment No.:	NOT PROVIDE
Test Starting Date:	JUN 1, 2021	Test Finished Date:	JUN 1, 2021

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- Classification of not being toxic (acute/chronic), corrosive, a skin/eye irritant, or strong sensitizer as defined in the 16 CFR 1500.3(b)(5), (7) – (9) (FHSA regulations), when used as intended or under circumstances involving reasonable foreseeable misuse, based on a Toxicological Risk Assessment of the submitted product formulation by a toxicologist.
- Classification of not being acute toxic, skin corrosive, serious eye-damaging, germ cell mutagenic, carcinogenic, reproductive toxic, respiratory/skin sensitizing or specific target organ toxic (single or repeated exposure) as defined in Annex I of sections 3.1.1, 3.2.1, 3.3.1, 3.4.1, 3.5.1, 3.6.1, 3.7.1, 3.8.1, 3.9.1 of Regulation (EC) no. 1272/2008.

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- Based on the provided art material formulation, the sample was evaluated to the requirements of the LHAMA regulation in accordance with 16 CFR 1500.14 and ASTM D4236 "Standard Practice for Labeling Art Materials for Chronic Health Hazards" by a toxicologist.

Note: The submitted formulation would not be expected to pose any significant chronic adverse health effects to humans when it is used as intended or under circumstances involving reasonable foreseeable misuse. The product(s) will not require any additional chronic health hazard labeling according to ASTM D4236. The product(s) must bear the following statement:
"Conforms to ASTM D4236"

Note: The Toxicological Risk Assessments and LHAMA evaluation were performed at a Bureau Veritas CPS approved subcontract lab.



RESULT:

Exposure Assessment and Considerations:

Evaluation of Julius Industries Limited 86% Polyester, 8% Spandex, 6% Ionic+' Metallic knit fabric for requirements of applicable sections of Federal Hazardous Substances Act (FHSA) 16 CFR Part 1500, U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), 16 CFR 1500 14(b)(8), LHAMA (16 CFR 1500.14), Products requiring Special Labeling - 16 CFR 1500.14, Banned Hazardous Substances - 16 CFR 1500.17., Poison Prevention Packaging Act (PPPA) 16 CFR Part 1700, ASTM D4236, ASTM F963 Section 8.2 - Standard Consumer Safety Specification for Toy Safety, California Proposition 65, REGULATION (EC) No /2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 November 2009 on cosmetic products, Cosmetic Product Safety Report (1223/2009/EC), Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures, Toy Safety Directive 2009/48/EC, Directive 67/548/EEC, Directive 2006/121/EC, Directive 1999/45/EC, Regulation (EC) No 1907/2006 of the European Parliament and requirements for Toxicology Risk Assessments

In making this evaluation Oneil M. Banks, Ph.D., CIH, DABT (certified by the American Board of Toxicology in General Toxicology 1980-2005) followed the Consumer Product Safety Commission, Guidelines for Determining Chronic Toxicity of Products Subject to the Federal Hazardous Substances Act NOHSC:1008(2004) Chapters 4 & 5 health effects criteria for classifying a substance on the basis of its health effects.

According to information supplied Julius Industries Limited 86% Polyester, 8% Spandex, 6% Ionic+' Metallic knit fabric contains: Polyethylene Terephthalate (CAS No. 25038-59-9), 2-(2-Quinoxaliny)malondialdehyde (CAS No.205744-84-9) and Propanedial,2-(2- quinoxaliny) (CAS No. 24938-04-3).

. Ater review of the supplied information, and risk assessment based on exposure. Potential, acceptable daily intake and appropriate safety factors, Oneil M. Banks, Ph.D., DABT (certified by the American Board of Toxicology in General Toxicology 1980-2005) find Julius Industries Limited 86% Polyester, 8% Spandex, 6% Ionic+' Metallic knit fabric is not explosive, oxidising, extremely or highly flammable, very toxic, harmful, corrosive, sensitising, irritating to the skin or eyes carcinogenic, mutagenic, toxic for reproduction or dangerous for the environment, and will not pose acute or chronic adverse health effects in humans when used as intended.

Julius Industries Limited 86% Polyester, 8% Spandex, 6% Ionic+' Metallic knit fabric complies with requirements of applicable sections of Federal Hazardous Substances Act (FHSA) 16 CFR Part 1500, U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), 16 CFR 1500 14(b)(8), LHAMA (16 CFR 1500.14), Products requiring Special Labeling - 16 CFR 1500.14, Banned Hazardous Substances - 16 CFR 1500.17., Poison Prevention Packaging Act (PPPA) 16 CFR Part 1700, ASTM D4236, ASTM F963 Section 8.2 - Standard Consumer Safety Specification for Toy Safety, California Proposition 65, REGULATION (EC) No /2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 November 2009 on cosmetic products, Cosmetic Product Safety Report (1223/2009/EC), Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures, Toy Safety Directive 2009/48/EC, Directive 67/548/EEC, Directive 2006/121/EC, Directive 1999/45/EC, Regulation (EC) No 1907/2006 of the European Parliament and requirements for Toxicology Risk Assessments

Containers of materials larger than one ounce must have full precautionary labeling as determined by manufacturer. No other precautionary labeling is deemed necessary. Where containers of materials which require warning labels are packed in a point of sale package which obscures the warning statement, the point of sale package must have the signal word and the following wording: " Read cautions on individual containers carefully."

Oneil M. Banks, Ph.D., DABT



Toxicologist

END OF REPORT