

CLASSIFICATION: 12 52 19 - Seating - Upholstered Seating

PRODUCT DESCRIPTION: Wool/nylon blend upholstery fabric for use as commercial seating.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes  No

Are All Substances Above the Threshold Indicated:

Characterized  Yes  No

Percent Weight and Role Provided?

Screened  Yes  No

Using Priority Hazard Lists with Results Disclosed?

Identified  Yes  No

Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

TRANSITION 11029 [ SHEEPS WOOL NoGS NYLON 6,6 LT-UNK  
CHROMATE(1-), BIS[2-[[[4,5-DIHYDRO-3-METHYL- 5-OXO-1-PHENYL-1H-PYRAZOL-4-YL)AZO]BENZOATO(2 -)], SODIUM LT-P1 | SKI  
BENZENESULFONIC ACID, 4-[[4-[[2-METHYL-4-[[[4-METHYLPHENYL)SULFONYL]OXY]PHENYL]AZO]PHENYL]AMINO] -3-NITRO-, MONOSODIUM SALT LT-UNK AMARANTH LT-UNK DISODIUM [3-[[[4,5-DIHYDRO-3-METHYL-5-OXO-1-PHENYL-1H-PYRAZOL-4-YL)AZO]-4-HYDROXYBENZENESULPHONATO(3-)]][1-[[2-HYDROXY-5-(PHENYLAZO)PHENYL]AZO]-2-NAPHTHOLATO(2-)]CHROMATE(2-) LT-P1 | MUL | SKI  
BENZENESULFONIC ACID, 3-[[4-AMINO-9,10-DIHYDRO- 9,10-DIOXO-3-[SULFO-4-(1,1,3,3-TETRAMETHYLBUTYL)PHENOXY ]-1-ANTHRACENYL]AMINO]-2,4,6-TRIMETHYL-, DISODIUM SALT LT-P1 | PBT  
PERMETHRIN LT-P1 | END | AQU | SKI | MUL ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The product is made from 74.8 % wool and 25% nylon in a 8 colorway range that uses various combinations of 16 different dyes. The remaining 0.2% intentional content represents 6 chemicals of varying proportions, of which 5 are for dyes (2 showing no warnings on the HPD priority list) and 1 is for protection against moths and carpet beetles. Risks associated with their use have been assessed from Safety Data Sheets that confirm, any risk is in the manufacturing stage and not in the end product, because the dyes are chemically bonded to the wool and nylon.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-05-07

PUBLISHED DATE: 2018-05-08

EXPIRY DATE: 2021-05-07



## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### TRANSITION 11029

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: The product is made from 74.8 % wool and 25% nylon in a / colorway range that uses various combinations of 16 different dyes. The remaining 0.2% intentional content represents 6 chemicals of varying proportions, of which 5 are for dyes (2 showing no warnings on the HPD priority list) and 1 is for protection against moths and carpet beetles. Risks associated with their use have been assessed from Safety Data Sheets that confirm, any risk is in the manufacturing stage and not in the end product, because the dyes are chemically bonded to the wool and nylon.

OTHER PRODUCT NOTES: Transition is one of our ESD wool upholstery and uses thick and thin yarns to create a new concept with an interesting texture that is soft to touch. The design transitions from a dot texture to a chevron and back again across the width of the fabric. Produced from fine worsted Australian wool, with 50,000 Martindale rubs without change of appearance. Transition is suitable for Heavy Duty Upholstery use and available in 8 colours from our Pantone Fashion Colour Palette. Let your fitout Evolve with transition

#### SHEEPS WOOL

ID: Not registered

#: 74.8000 - 74.8000 GS: NoGS RC: None NANO: No ROLE: Face fibre of fabric

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The product is a natural, rapidly renewable resource that is biodegradable. Being made from Wool and containing no VOC's, the product can absorb VOC's from the surrounding environment, making the atmosphere safer.

#### NYLON 6,6

ID: 32131-17-2

#: 25.0000 - 25.0000 GS: LT-UNK RC: None NANO: No ROLE: Face fibre of fabric

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Nylon is blended with the wool fibre, to increase the strength and durability of the woollen upholstery, resulting in a high abrasion test result on the Martindale rub test.

#### CHROMATE(1-), BIS[2-[(4,5-DIHYDRO-3-METHYL- 5-OXO-1-PHENYL-1H-PYRAZOL-4-YL)AZO]BENZOATO(2 -)], SODIUM

ID: 41741-86-0

%: **0.0600 - 0.0600** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Provides colour to the fabric**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**SKIN SENSITIZE** **MAK** Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: **A chemical used to provide colour to the fabric**

**BENZENESULFONIC ACID, 4-[[4-[[2-METHYL-4-[[4-METHYLPHENYL]SULFONYLOXY]PHENYL]AZO]PHENYL]AMINO] -3-NITRO-, MONOSODIUM SALT** ID: **12220-06-3**

%: **0.0400 - 0.0400** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Provides colour to the fabric**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**None Found** **No warnings found on HPD Priority lists**

SUBSTANCE NOTES: **A chemical used to provide colour to the fabric**

**AMARANTH** ID: **915-67-3**

%: **0.0300 - 0.0300** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Provides colour to the fabric**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**None Found** **No warnings found on HPD Priority lists**

SUBSTANCE NOTES: **A chemical used to provide colour to the fabric**

**DISODIUM [3-[[4,5-DIHYDRO-3-METHYL-5-OXO-1-PHENYL-1H-PYRAZOL-4-YL]AZO]-4-HYDROXYBENZENESULPHONATO(3-)] [1-[[2-HYDROXY-5-(PHENYLAZO)PHENYL]AZO]-2-NAPHTHOLATO(2-)]CHROMATE(2-)** ID: **52587-68-5**

%: **0.0300 - 0.0300** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Provides colour to the fabric**

HAZARDS: AGENCY(IES) WITH WARNINGS:

**MULTIPLE** **German FEA - Substances Hazardous to Waters** **Class 2 - Hazard to Waters**

**SKIN SENSITIZE** **MAK** Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: **A chemical used to provide colour to the fabric**

**BENZENESULFONIC ACID, 3-[[4-AMINO-9,10-DIHYDRO- 9,10-DIOXO-3-[SULFO-4-(1,1,3,3-TETRAMETHYLBUTYL)PHENOXY ]-1-ANTHRACENYL]AMINO]-2,4,6-TRIMETHYL-, DISODIUM SALT** ID: **72243-90-4**

%: **0.0200 - 0.0200** GS: **LT-P1** RC: NANO: ROLE: **Provides colour to**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

SUBSTANCE NOTES: A chemical used to provide colour to the fabric

## PERMETHRIN

ID: 52645-53-1

#: 0.0200 - 0.0200      GS: LT-P1      RC: None      NANO: No      ROLE: Insect resistant agent

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 2 - In vitro evidence of biological activity related to Endocrine Disruption
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life M = 1000
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Protects the product against moths and carpet beetles.

## Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

No accessories are required for this product.

## Section 5: General Notes

**Wool for Interior Textiles:** Wool fabrics will stand up to years of everyday wear and tear and still bounce back. Wool will maintain a clean and ‘as new’ appearance for much longer than other fiber type fabric. Upholstery is more exposed to greasy soiling because of the frequent handling it receives, especially on the arms of chairs. The ability to resist soiling and shed soil during cleaning allows Wool fabrics to retain their appearance when others become matted and dirty. Wool’s inherent resistance to flame and heat make it one of the safest of all upholstery fibres. Wool can readily absorb and dissipate the body’s perspiration, preventing the build-up of heat and dampness. These are major reasons why wool fabrics have been chosen for office interiors and in cars and all forms of public transport. Wool is the natural choice for soft furnishings because of its comfort and warmth, long-life performance ratings and safety factors. More than any other fabric on earth - wool combines more luxury and fabric performance due to its appearance retention, tactile properties, drape, elasticity and wrinkle resistance.

**Wool Natural Properties:** Wool is naturally flame resistant; it is difficult to ignite and has low flame spread and heat release properties. Wool does not melt or drip and has superior self extinguishing properties. Wool has an ability to shed water, yet readily admit water vapour. Microscopic pores of the wool fibre effectively respond to changes in humidity, making fabric suitable for every climate. Wool can absorb up to one-third of its own weight in vapour depending on relative humidity, while Synthetic fibers can only absorb 2-3 per cent of moisture before they begin to feel wet. Although Wool has a very high resistance to fading and colour change, like all fibers it will change if left in direct sunlight for a period of time. Because wool is a protein fibre, it has an affinity for acid, basic, reactive and disperses dyes. Dyes chemically bond inside the wool fibres where they hold fast.

**Wool the Natural Fibre:** For performance measured over time, wool products are low in cost and high in value. Wool has filled our lives with comfort and warmth for thousands of years. When we are surrounded by the natural luxury of wool, its remarkable strength and softness give strong feelings of safety and security. Wool provides us with a personal environment that is health-enhancing because it is a natural fibre. Wool disperses moisture from our skin, provides even warmth and body temperature, resists flame and static electricity and helps to reduce the stressful noise levels that surround us every day. And yet, while we have been living with the qualities of wool throughout the ages, wool is also a fibre for the future. Regardless of the advances mankind makes in the creation of new synthetics, technology will never recreate the comfort, strength, softness and security only wool can offer. Source: [www.woolfurnishings.com](http://www.woolfurnishings.com), The Interior Textiles Division of The Woolmark Company



## MANUFACTURER INFORMATION

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MANUFACTURER: **textile mania**

ADDRESS: **560 SWAN ST**

**RICHMOND Victoria 3121, Australia**

WEBSITE: **http://www.textilemania.com.au**

CONTACT NAME: **Jim Frame**

TITLE: **Sales and Marketing Director**

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EMAIL: **jim\_frame@textilemania.com.au**

## KEY

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**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Hazard Types

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**BM-3** Benchmark 3 (use but still opportunity for improvement)

**BM-2** Benchmark 2 (use but search for safer substitutes)

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**NoGS** Unknown (no data on List Translator Lists)

### Recycled Types

**PreC** Preconsumer (Post-Industrial)

**PostC** Postconsumer

**Both** Both Preconsumer and Postconsumer

**Unk** Inclusion of recycled content is unknown

**None** Does not include recycled content

### Other Terms

#### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material

**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product

**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*