

Recyclable TUNTEX Commercial Duraback with Nylon 6 yarn by Suzhou Tuntex Fiber and Carpet Co., Ltd.

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 09 68 13

PRODUCT DESCRIPTION: Recyclable TUNTEX™ Commercial Duraback™ is designed with recyclability in mind, being completely free from harmful Volatile Organic Compounds (VOCs). Nylon consumer products (i.e. clothes hangers, backpack, seatbelt etc.) are useful recycled products made from used TUNTEX carpets after the process of separation of face yarn and backing. The backing will also be recycled then put back as new carpet tile backing. The whole carpet tile is recyclable and this is a total solution to minimize the environmental burden. The carpet tile serves as a floor covering and can be used in low traffic to high traffic commercial settings. Steam cleaning is recommended for maintenance, with cleaning frequency dependent on use.

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

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

RECYCLABLE TUNTEX COMMERCIAL DURABACK WITH NYLON 6 YARN [

CALCIUM CARBONATE BM-3 POLYVINYL CHLORIDE (PVC) LT-P1 | RES

BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3 NYLON 6 LT-UNK

POLYETHYLENE TEREPHTHALATE (PET) LT-UNK UNDISCLOSED BM-2

WATER BM-4 ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK SOLID

GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | CAN

CALCIUM OXIDE LT-P1 UNDISCLOSED LT-1 | CAN UNDISCLOSED LT-P1 |

PBT | MUL CAPROLACTAM LT-UNK | SKI | EYE UNDISCLOSED LT-1 | CAN |

END ISOPHTHALIC ACID TEREPHTHALIC ACID ETHYLENE GLYCOL

POLYMER (ISOPHTHALIC ACID TEREPHTHALIC ACID ETHYLENE

GLYCOL POLYMER) NoGS]

Number of Greenscreen BM-4/BM3 contents ... 3

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Manufacturer has opted for the basic inventory display – chemical substances are listed by weight in the entire product instead of grouped by material. Nanomaterials are not used in this product. All substances including residuals are disclosed to 1,000 ppm. Not all substance name and identifiers are disclosed due to their proprietary nature to the supplier or manufacturer, however all substances are screened with their hazards reported.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Green Label Plus Indoor Air Quality Testing Program

Management: Quality Management System (ISO9001:2015)

Management: Environmental Management System (ISO14001:2015)

Other: Singapore Green Building Product Labelling Scheme Certificate

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**
VERIFIER: **GreenCircle Certified**
VERIFICATION #: **6H3-2763**

SCREENING DATE: **2018-02-05**
PUBLISHED DATE: **2018-12-19**
EXPIRY DATE: **2021-02-05**



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

RECYCLABLE TUNTEX COMMERCIAL DURABACK WITH NYLON 6 YARN

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals are considered as all substances including residuals are disclosed to 1,000 ppm. Residuals were identified through supplier and consultant expertise regarding the substances disclosed. Any known impurities, unreacted inputs, and residuals were marked accordingly.

OTHER PRODUCT NOTES: All substances including residuals disclosed to 1,000 ppm.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-05

#: 56.8900 - 62.3400

GS: BM-3

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Substance ranges based on supplier documentation

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-05

#: 12.0100 - 13.2000

GS: LT-P1

RC: None

NANO: No

ROLE: Secondary Backing

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagen

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

BIS(2-ETHYLHEXYL) TEREPHTHALATE

ID: 6422-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-02-05

#: 8.7700 - 9.6500

GS: BM-3

RC: None

NANO: No

ROLE: Plasticizer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Substance ranges based on supplier documentation

NYLON 6

ID: 25038-54-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **8.5900 - 16.9000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Yarn**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Substance ranges based on supplier documentation

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **1.1300 - 2.0600**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Primary Backing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **0.8500 - 0.9300**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Plasticizer**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Substance ranges based on supplier documentation. This substance is considered proprietary by the supplier; however, the range and health hazards are disclosed.

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **0.8100 - 0.9600**

GS: **BM-4**

RC: **None**

NANO: **No**

ROLE: **Water**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-05**%: **0.8100 - 0.9600**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Adhesive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: **Substance ranges based on supplier documentation.****SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS)**

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-05**%: **0.6800 - 0.7400**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Structure**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER**EU - GHS (H-Statements)****H351 - Suspected of causing cancer**SUBSTANCE NOTES: **Substance ranges based on supplier documentation.****CALCIUM OXIDE**

ID: 1305-78-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-05**%: **0.1400 - 0.1500**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: **Substance ranges based on supplier documentation.****UNDISCLOSED**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2018-02-05**%: **0.0900 - 0.4500**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Colorant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER**US CDC - Occupational Carcinogens****Occupational Carcinogen****CANCER****MAK****Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification****CANCER****CA EPA - Prop 65****Carcinogen - specific to chemical form or exposure route****CANCER****IARC****Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**

SUBSTANCE NOTES: Substance ranges based on supplier documentation. This substance is considered proprietary by the supplier; however, the range and health hazards are disclosed.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **0.0500 - 0.1700** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Antistatic**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Substance ranges based on supplier documentation. This substance is considered proprietary by the supplier; however, the range and health hazards are disclosed.

CAPROLACTAM

ID: **105-60-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

UNDISCLOSED

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **0.0000 - 0.5100** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Colorant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Substance ranges based on supplier documentation. This substance is considered proprietary by the supplier; however, the range and health hazards are disclosed.

**ISOPHTHALIC ACID TEREPHTHALIC ACID ETHYLENE GLYCOL POLYMER
(ISOPHTHALIC ACID TEREPHTHALIC ACID ETHYLENE GLYCOL POLYMER)**

ID: 24938-04-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2018-02-05**

#: **0.0000 - 0.8200**

GS: **NoGS**

RC:
None

NANO:
No

ROLE: **Primary
Backing**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

No hazards found

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

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.

VOC EMISSIONS

Green Label Plus Indoor Air Quality Testing Program

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2008-12-04**

EXPIRY DATE: **2018-02-14**

CERTIFIER OR LAB: **The Carpet and Rug Institute**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: http://www.tuntex-carpet.com/en/international_recognition.php

CERTIFICATION AND COMPLIANCE NOTES: **Range of Total VOCs 0.5 mg/m3 or less for Private Office Scenario.**

MANAGEMENT

Quality Management System (ISO9001:2015)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-12-26**

EXPIRY DATE: **2021-01-06**

CERTIFIER OR LAB: **IQNet and CQC**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: http://www.tuntex-carpet.com/en/international_recognition.php

CERTIFICATION AND COMPLIANCE NOTES:

MANAGEMENT

Environmental Management System (ISO14001:2015)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-12-21**

EXPIRY DATE: **2021-01-08**

CERTIFIER OR LAB: **IQNet and CQC**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: http://www.tuntex-carpet.com/en/international_recognition.php

CERTIFICATION AND COMPLIANCE NOTES:

OTHER

Singapore Green Building Product Labelling Scheme Certificate

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-04-26**

EXPIRY DATE: **2018-04-25**

CERTIFIER OR LAB: **Singapore Green Building Council**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: http://www.tuntex-carpet.com/en/international_recognition.php

CERTIFICATION AND COMPLIANCE NOTES:

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.

TX-500 MODULAR CARPET ADHESIVE BY SUZHOU TUNTEX FIBER& CARPET CO., LTD.

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The carpet tile tack adhesive is used for installation of the carpet tile

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The installation sticker/film is an adhesive used as an alternate for the carpet tile tack adhesive for installations.

Section 5: General Notes

Product variance based on size, shape, and finishing. All products are functionally similar, certifications listed in Section 3: Certifications and Compliance applies to all products included, and the content differences between the products account for 10% or less of the total mass of each product.



MANUFACTURER INFORMATION

MANUFACTURER: **Suzhou Tuntex Fiber and Carpet Co., Ltd.**

ADDRESS: **No.28 ChengXi South Road
TaiCang JiangSu 215400, China**

WEBSITE: **<http://www.tuntex-carpet.com/en/>**

CONTACT NAME: **Kurt Wu**

TITLE: **Tuntex HPD Support**

PHONE: **+86-512-53530142**

EMAIL: **Kurt.Wu@tuntexcarpet.com**

KEY

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.