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

# **Health Product** Declaration v2.2

created via: HPDC Online Builder

**HPD UNIQUE IDENTIFIER: 23853** 

CLASSIFICATION: 09 68 13 Tile Carpeting

PRODUCT DESCRIPTION: RECYCLED 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 separation of the face yarn from the backing. The backing is then recycled and re-integrated into RECYCLED TUNTEX™ Commercial Duraback™ products 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** 

C Nested Materials Method

Basic Method

Threshold Disclosed Per

Material

Product

Threshold level

C 100 ppm

C Per GHS SDS

Other

Residuals/Impurities

Considered

C Partially Considered

O Not Considered

Explanation(s) provided

for Residuals/Impurities?

Yes ○ No

All Substances Above the Threshold Indicated Are:

○ Yes Ex/SC 
○ Yes 
○ No Characterized

% weight and role provided for all substances.

Screened ○ Yes Ex/SC Yes No.

All substances screened using Priority Hazard Lists with

results disclosed.

Identified O Yes Ex/SC O 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** 

**RECYCLED TUNTEX COMMERCIAL DURABACK WITH NYLON 6** YARN [ CALCIUM CARBONATE BM-3 POLYVINYL CHLORIDE (PVC) LT-P1 | RES NYLON 6 LT-UNK BIS(2-ETHYLHEXYL) TEREPHTHALATE BM-3dg POLYETHYLENE TEREPHTHALATE (PET) LT-UNK WATER BM-4 ETHYLENE VINYL ACETATE POLYMER (EVA) LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK UNDISCLOSED BM-2 CALCIUM OXIDE LT-P1 UNDISCLOSED LT-P1 | PBT | MUL UNDISCLOSED LT-1 | CAN | END ISOPHTHALIC ACID TEREPHTHALIC ACID ETHYLENE GLYCOL POLYMER (ISOPHTHALIC **ACID TEREPHTHALIC ACID ETHYLENE GLYCOL POLYMER) NoGS** UNDISCLOSED BM-1 | CAN CAPROLACTAM LT-UNK | SKI | EYE ]

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-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

VOC emissions: CRI Green Label Plus - Carpets

VOC emissions: SGLS Singapore Green Labelling Scheme Management: ISO 9001:2015 Quality management systems

Management: ISO 14001:2004 Environmental management systems

### **CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

Yes

PREPARER: Self-Prepared VERIFIER: GreenCircle Certified VERIFICATION #: 6H3-953

SCREENING DATE: 2021-01-19 **PUBLISHED DATE: 2021-02-22** EXPIRY DATE: 2024-01-19



# 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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

#### RECYCLED 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 are disclosed to 1,000 ppm.

ID: 471-34-1 **CALCIUM CARBONATE** 

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 40.9400 - 61.3900 GS: BM-3 RC: PreC NANO: No SUBSTANCE ROLE: Filler

**HAZARD TYPE** AGENCY AND LIST TITLES **WARNINGS** 

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This substance contains both virgin and pre-consumer recycled content. Pre-consumer recycled content obtained from the recycled backing component. Substance ranges based on supplier documentation.

**POLYVINYL CHLORIDE (PVC)** ID: 9002-86-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 13.1500 - 20.3300 GS: LT-P1 RC: PreC NANO: No SUBSTANCE ROLE: Structure component

AGENCY AND LIST TITLES **HAZARD TYPE** WARNINGS

RES AOEC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: This substance contains both virgin and pre-consumer recycled content. Substance ranges based on supplier documentation. Pre-consumer recycled content obtained from the recycled backing component.

**NYLON 6** ID: 25038-54-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 11.0500 - 30.1900 GS: LT-UNK **RC: None** SUBSTANCE ROLE: Textile component NANO: No

**HAZARD TYPE** AGENCY AND LIST TITLES **WARNINGS** 

No warnings found on HPD Priority Hazard Lists None found

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19
%: 6.6800 - 10.2900 GS: BM-3dg RC: PreC NANO: No SUBSTANCE ROLE: Plasticizer
HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

SUBSTANCE NOTES: This substance contains both virgin and pre-consumer recycled content. Substance ranges based on supplier documentation. Pre-consumer recycled content obtained from the recycled backing component.

#### POLYETHYLENE TEREPHTHALATE (PET)

None found

ID: 25038-59-9

No warnings found on HPD Priority Hazard Lists

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 1.0300 - 2.4000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 0.9100 - 1.4600 GS: BM-4 RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

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: 2021-01-19

%: 0.9100 - 1.4500 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Adhesive

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

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: 2021-01-19

%: 0.6200 - 0.8600 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 0.5400 - 0.8200 GS: BM-2 RC: PreC NANO: No SUBSTANCE ROLE: Plasticizer

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This substance contains both virgin and pre-consumer recycled content. Pre-consumer recycled content obtained from the recycled backing component. Substance ranges based on supplier documentation. This substance is considered proprietary by the supplier; however, the range and health hazards are disclosed.

CALCIUM OXIDE ID: 1305-78-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 0.0900 - 0.1300 GS: LT-P1 RC: PreC NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

SUBSTANCE NOTES: This substance contains both virgin and pre-consumer recycled content. Substance ranges based on supplier documentation. Pre-consumer recycled content obtained from the recycled backing component.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 0.0700 - 0.3000 GS: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Anti-static

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

PBT EC - CEPA DSL Persistent, Bioaccumulative and inherently Toxic (PBiTE)

to the Environment (based on aquatic organisms)

No warnings found on HPD Priority Hazard Lists

MUL German FEA - Substances Hazardous to Class 2 - Hazard to Waters

Waters

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

UNDISCLOSED ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: 0.0000 - 0.9100 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Pigment

None found

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

# 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: 2021-01-19

%: 0.0000 - 0.9600 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Plasticizer

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

UNDISCLOSED					ID: Undisclosed	
HAZARD SCREENING METHOD:	ZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-19			
%: 0.0000 - 0.6900	GS: <b>BM-1</b>	RC: No	ne	NANO: No	SUBSTANCE ROLE: Pigment	
HAZARD TYPE	AGENCY AND LIST TITLES		WARN	NINGS		
CAN	US CDC - Occupational Carcinogens		Occup	oational Carcino	gen	
CAN	MAK			nogen Group 3B ot sufficient for o	B - Evidence of carcinogenic effects classification	
CAN	CA EPA - Prop 65		Carcir	nogen - specific	to chemical form or exposure route	
CAN	IARC			2B - Possibly o	carcinogenic to humans - inhaled urces	

CAPROLACTAM ID: 105-60-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-19

%: Impurity/Residual GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Impurity/Residual

HAZARD TYPE AGENCY	AND LIST TITLES	WARNINGS
SKI EU - GHS	(H-Statements)	H315 - Causes skin irritation
EYE EU - GHS	6 (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Substance ranges based on supplier documentation.

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 CRI Green Label Plus - Carpets

CERTIFYING PARTY: Third Party ISSUE DATE: 2021-01- EXPIRY DATE: 2021- CERTIFIER OR LAB: The Carpet

APPLICABLE FACILITIES: All 01 12-31 and Rug Institute

CERTIFICATE URL: https://carpet-rug.org/testing/green-

label-plus/carpet-products/?highlight=tuntex

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

VOC EMISSIONS SGLS Singapore Green Labelling Scheme

CERTIFYING PARTY: Third Party ISSUE DATE: 2020-03- EXPIRY DATE: 2022- CERTIFIER OR LAB: Singapore

APPLICABLE FACILITIES: All 15 03-14 Environment Coucil

CERTIFICATE URL: https://sgls.sec.org.sg/ CERTIFICATION AND COMPLIANCE NOTES:

MANAGEMENT ISO 9001:2015 Quality management systems

CERTIFYING PARTY: Third Party ISSUE DATE: EXPIRY DATE: CERTIFIER OR LAB: APPLICABLE FACILITIES: All 2020-12-03 2024-01-06 IQNet and CQC

CERTIFICATE URL: https://www.tuntex-carpet.com/en/certifications?

field\_product\_type\_target\_id=1&field\_document\_type\_value=Certificate&page=1

**CERTIFICATION AND COMPLIANCE NOTES:** 

MANAGEMENT ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: Third Party ISSUE DATE: EXPIRY DATE: CERTIFIER OR LAB: APPLICABLE FACILITIES: All 2020-12-04 2024-01-08 IQNet and CQC

CERTIFICATE URL: https://www.tuntex-carpet.com/en/certifications?

field\_product\_type\_target\_id=1&field\_document\_type\_value=Certificate&page=1

**CERTIFICATION AND COMPLIANCE NOTES:** 

MANAGEMENT Occupational Health & Safety Management System (ISO 45001:2018)

45001:20

CERTIFYING PARTY: Third Party

ISSUE DATE: EXPIRY DATE: CERTIFIER OR LAB:

APPLICABLE FACILITIES: All

2019-10-28

2022-10-27

IQNet and CQC

CERTIFICATE URL: https://www.tuntex-carpet.com/en/certifications?

field\_product\_type\_target\_id=1&field\_document\_type\_value=Certificate&page=0

**CERTIFICATION AND COMPLIANCE NOTES:** 

OTHER SINGAPORE GREEN BUILDING PRODUCT CERTIFICATE

CERTIFYING PARTY: Third Party ISSUE DATE: 2020-06- EXPIRY DATE: 2022- CERTIFIER OR LAB: SGBC

APPLICABLE FACILITIES: All 03 06-02

CERTIFICATE URL: https://www.sgbc.sg/index.php

CERTIFICATION AND COMPLIANCE NOTES:

CERTIFICATION AND COMPLIANCE NOTES:

OTHER Environmental Product Declaration (EPD) by UL

CERTIFYING PARTY: Third Party ISSUE DATE: 2016-11- EXPIRY DATE: 2021- CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: All 01 11-29

CERTIFICATE URL: https://spot.ul.com/

#### **GreenCircle Recycled Content Certification**

**CERTIFYING PARTY: Third Party** ISSUE DATE: **EXPIRY DATE: CERTIFIER OR LAB:** APPLICABLE FACILITIES: AII 2020-06-01 2021-05-31 GreenCircle Certified

CERTIFICATE URL: https://www.tuntex-carpet.com/en/certifications?

field\_product\_type\_target\_id=1&field\_document\_type\_value=Certificate&page=0

CERTIFICATION AND COMPLIANCE NOTES: Renaissance of Art products are certified for a minimum of 18% pre-consumer content, and Ecoconcept products are certified for a minimum of 25% pre-consumer content. Both product types are included in this HPD.

# 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& HPD URL: No HPD available. CARPET CO., LTD.

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

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

INSTALLATION STICKER BY SHANGHAI ZHENGHUAN ADHESIVE HPD URL: No HPD available PRODUCTS CO., LTD

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The installation stick/film is an adhesive used 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

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

# KEY

**Hazard Types** 

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

EYE Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

**NEU** Neurotoxicity

NF Not found on Priority Hazard Lists

**OZO** Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

**REP** Reproductive

**RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

**UNK** Unknown

#### 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 (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)

LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the

information contained within the list did not result in a clear mapping

to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

#### **Recycled Types**

PreC Pre-consumer recycled content

PostC Post-consumer recycled content

UNK Inclusion of recycled content is unknown

None Does not include recycled content

# Other Terms:

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

#### **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.