GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
CERT TM
Platinum HEALTH
trust brands™

Weseler Teppich GmbH & Co. KG
tretford Cord Carpet Roll

Waterford's tretford® Cord Carpet Roll is a durable 2 metre wide roll carpet manufactured in Ireland. The product's face fibre comprises of 80% goat hair and is bonded to a 100% undyed, jute backing. This hard wearing product is suitable for all work spaces and residential environments and is easy to lay and versatile.

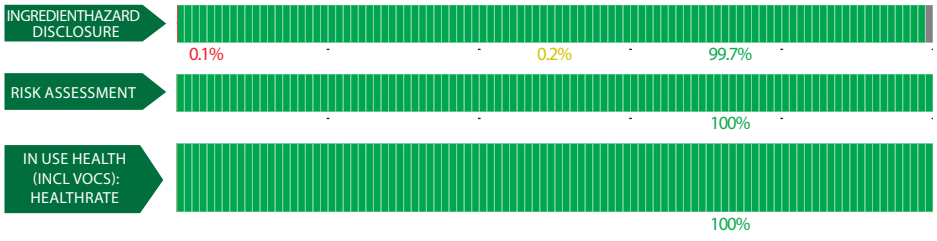
Products/Ranges:	tretford Cord Carpet Roll
Product Stages Assessed:	Whole of life +re-use potential
CSI Masterformat:	09 68 13
Licenced Site/s:	Waterford, Ireland
Licence Number:	WAT:CP01:2021:PH
Licence Date:	12th January 2022
Valid To:	12th January 2025
Standard:	GGT International v4.0
Screening Date:	10th November 2023
PHD URL:	https://www.globalgreentag.com/getfile/12972/phd.pdf

PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant
- GreenTag PHD recognized by WELL™ & LEED ® Material Transparency & Optimization credits included below:
- Meets Green Star ® 'Buildings v1.0' ~ Credit 9: Responsible Finishes; Credit 13: Exposure to Toxins, and, meets 'Design & As Built v1.3' and 'Interiors v1.3' ~ Indoor Pollutants.
- Meets IWBI ® WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 04 (Part 3); Feature 11 (Part 1); Feature 25 (Part 2) , and, meets IWBI ® WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X01 (Part 1); X06 (Part 2); X07 (Part 2); X08 (Part 1).
- Meets USGBC LEED ® v4.0 and v4.1 Rating Tool Credit, MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1: Material Ingredient Reporting, Option 2: International ACP - REACH Optimisation.
- Highly unlikely worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

ASSESSMENT:

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass.
See over for explanation.



Declared by:
Global GreenTag International Pty Ltd

David Baggs
CEO & Program Director
Verified compliant with:
ISO 14024 & ISO 17065

1.0 Scope

The Global GreenTag International (GGT) Product Health Declaration (PHD) has been designed to provide an additional level of service to the green product sector in facilitating an easier understanding of both the hazard and risk associated with any certified products and is intended to indicate:

- Chemical hazards of both finished product and unique ingredients to a minimum level of 100ppm for each homogeneous ingredient throughout the product life cycle, (including any VOC or other gaseous emissions);
- An assessment of exposure or risk associated with ingredient handling, product use, and disposal in relation to established mitigation and management processes;

It is not intended to assess:

i. substances used or created during the manufacturing process unless they remain in the final product; or

ii. substances created after the product is delivered for end use (e.g., if the product unusually degrades, combusts or otherwise changes chemical composition).

GGT PHDs are only issued to products that have passed GGT Standards' certification requirements. The Level of Assessment (BronzeHEALTH, SilverHEALTH GoldHEALTH or PlatinumHEALTH) rating relates ONLY to GGT Standard Sustainability Assessment Criteria 3, and is declared separately to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels.

1.2 Preparing a PHD

GGT PHDs are prepared using Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and as an outcome of a successful Application for Certification. Assessments are undertaken by GGT Qualified Exemplar Global Lead Auditors and subsequently accepted for Certification by the GGT Program Director (also a Qualified Exemplar Global Lead Auditor) under the GGT International Standard v4.0, Personal Products Standard v1.0, and Cleaning Products Standard v1.0 and above Program Rules.

1.3 External Peer Review

Every GGT PHD is independently peer reviewed by an external Consultant Toxicologist and Member of the Australian College of Toxicology &Risk Assessment.

2.0 Declaration of Ingredients

Where a manufacturer wishes recognition under a rating program that requires transparency of ingredients such as LEED v4.0, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	**Ideal- Low** No concerns- Ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context.
Yellow	**Medium to Low** Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context.
Orange	**Moderate** Hazardous Ingredient with "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context.
Red	**Problematic (Red): Target for Phase** Hazardous Ingredient with 'Red Light" Concern depending on % of the ingredient, hazard level, and relevance to use context.
Grey	**Uncategorised** Not able to be categorised due to lack of toxicity impact information.
Black	**Banned Ingredients** POPs, SVHCs plus a wide range of compounds depending on specific Standard requirements.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Dyed Goat Hair							
Goat hair	Natural Fiber	20-30%	None				It is a natural fiber and no hazard identified. Recycled Content: None Nanomaterials: unknown
NOTES: All dyes used in various range of the carpet is listed below. Amount of total dyes used for this product is 0.24 % of the product weight.							
Teconyl Black N-ME							
Teconyl Black N-ME	Dyes	0.2-0.3%	None				No hazard identified. Recycled Content: None Nanomaterials: unknown
Telon Blue GGL 04							
Sodium Carbonate	497-19-8	0.2-0.3%	H319				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, direct contact with the substance can cause eye irritation. Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.1-0.3%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Recycled Content: None Nanomaterials: unknown
Telon Yellow ARB							
Telon Yellow ARB	Dyes	0.2-0.3%	None				Comment for HealthRate assessment Recycled Content: None Nanomaterials: unknown
Solophenyl Blue FGLE							
White mineral oil (petroleum)	8042-47-5	0.01-0.1%	H304				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance may-be fatal if swallowed and inhaled, Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Sodium Carbonate	497-19-8	0.01-0.1%	H319				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, direct contact with the substance can cause eye irritation. Recycled Content: None Nanomaterials: unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Remaining substance	Proprietary	0.1-0.2%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Recycled Content: None Nanomaterials: unknown
Solophenyl Blue TLE							
Sodium Carbonate	497-19-8	0.2-0.3%	H319				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, direct contact with the substance can cause eye irritation. Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Turbantin Yellow							
C.I. Direct Yellow 44	497-19-8	0.2-0.3%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Teconyl_Red L-3BL 200%							
Acid Red 57	12217-34-4	0.01-0.2%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.2%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Teconyl Yellow L-GL 200 %							
C.I. Acid Yellow 49	235-473-4	0.01-0.2%	H319				No Hazard Identified. Recycled Content: None Nanomaterials: unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Remaining substance	Proprietary	0.01-0.2%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
TUBANTIN BLUE BRR HC							
C.I. Direct Blue 71	4399-55-7	0.01-0.2%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.2%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
TUBANTIN GREEN BL HC							
C.I. Direct Green 26	6388-26-7	0.01-0.2%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.2%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
BEMACID BLACK N-TMF							
Sodium-[[4-[(2-ethoxy -5-methylphenyl) azo]-1-naphthyl]azo] benzenesulphonate	68959-00-2	0.01-0.1%	H315, H317, H319, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance can cause skin and eye irritation, and toxic to the aquatic environment. Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
sodium 8-phenylamino-5-(4-(3-sulphonatophenylazo)-1-naphthylazo)naphthalenesulphonate	3351-05-1	0.1-0.2%	H317, H319, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance can cause skin and eye irritation, and toxic to the aquatic environment. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.2%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environment. Recycled Content: None Nanomaterials: unknown
Telon Red 2BN 01							
C.I. Acid Red 337	6388-26-7	0.01-0.1%	H317, H411				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance can cause skin sensitization and toxic to the aquatic environment. Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
C.I. Acid Red 426	6388-26-7	0.01-0.1%	H317, H411				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance can cause skin sensitization and toxic to the aquatic environment. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.1%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environment Recycled Content: None Nanomaterials: unknown
Erionyl Blue A-R							
Sodium 1-amino-4-[[3-[(benzoylamino) methyl]-2,4,6-trimethylphenyl] amino]-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate	67827-60-5	0.1-0.2%	H315, H317, H319, H412				The substance is toxic to the aquatic environment. Waterford and suppliers have environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
sodium 1-amino-4-[[3,5-bis[(benzoylamino) methyl]-2,4,6-trimethylphenyl]amino]-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate	67827-61-6	0.01-0.1%	H317, H319, H412				The substance is toxic to the aquatic environment. Recycled Content: None Nanomaterials: unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Remaining substance	Proprietary	0.01-0.1%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Recycled Content: None Nanomaterials: unknown
Teconyl Violet N-FBL 200%							
C.I. Acid Violet 48	72243-90-4	0.2-0.3%	H319, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance can cause eyes irritation and toxic to the aquatic environment. Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
TUBANTIN ORANGE 7GL CONC							
C.I. Direct Orange 46	1325-54-8	0.01-0.1%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.1%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
TUBANTIN RED F3B CONC							
C.I. Direct Red 80	2610-10-8	0.1-0.2%	H315, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance can cause skin irritation and toxic to the aquat-ic environment. Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.1%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environ-ment Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
TUBANTIN BLUE GLL 300							
tetrasodium 2-[[4-[[4-[[1-hydroxy-6-(phenylamino)-3-sulphonato-2-naphthy l] azo]-1-naphthyl] azo]-6-sulphonato-1-naphthyl]azo]benzene-1,4-disulphonate	2503-73-3	0.1-0.2%	H412				The substance is toxic to the aquatic environment. Waterford and suppliers have environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Remaining substance	Proprietary	0.01-0.1%	H302, H317, H332, H410, H412				In use, the substance is bound to the goat hair and unlikely to pose any hazard to the end-user. During manufacturing, the substance is harmful if swallowed and inhaled, skin sensitizing, toxic to the aquatic environment Recycled Content: None Nanomaterials: unknown
Pre-dyed Nylon fibre (RN711-09)							
Nylon 6 fibre	25038-54-4	5-10%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Titanium Dioxide	13463-67-7	0.1-0.2%	H351				The substance is suspected of causing cancer. In use the substance is bound inside the final product and not likely to exposed any hazard to end user. Waterford and suppliers have internal OHS and environmental policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
CARPET ADHESIVE PLASTISOL							
PVC resin	9002-86-2	20-40%	IARC3, H315, H319, H335				In use, the resin is bonded as PVC and not exposed to the end-user. During manufacturing, the substance is not classified as carcinogenic, and can cause skin, eyes and respiratory tract irritation. Waterford and suppliers have internal OHS policies. Waterford is ISO14001 Certified. Recycled Content: None Nanomaterials: unknown
Bis (2-ethylhexyl) terephthalate	6422-86-2	15-30%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Soybean oil, epoxidised	8013-07-8	1-10%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Alkali alumino-silicate	1318-02-01	0.1-1%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Pre-dyed Viscose Rayon							
Viscose fibre	68442-85-3	1-5%	None				The wood source is FSC Certified. No Hazard Identified. Recycled Content: None Nanomaterials: unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Water	7732-18-5	0.1-1%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Pigment	Propri-etary	0.01-0.1%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Fibre finish	Proprietary	0.01-0.1%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown
Jute							
Jute	Proprietary	1-10%	None				No Hazard Identified. Recycled Content: None Nanomaterials: unknown

Notes:

H302: Acute Tox. 4
H304: ASP Tox. 1
H315: Skin Irrit. 2
H317: Skin Sens. 1B
H319: Eye Irrit. 2
H332: Acute Tox. 4
H351 : Carc. 2
H410 : Aquatic Tox. 1
H411 : Aquatic Chronic 2
H412 : Aquatic Tox. 3
IARC3: Not Classifiable as to its carcinogenity to human

Comments:

Tretford Roll has passed VOC Emission test by CETEC.
The product meet the Green Building Council Greenstar requirement.
TVOC Result: 0.25 mg/m2/hr