



Vertilux Corporation Pty Ltd  
**Euroscreen® Eco Metallised**

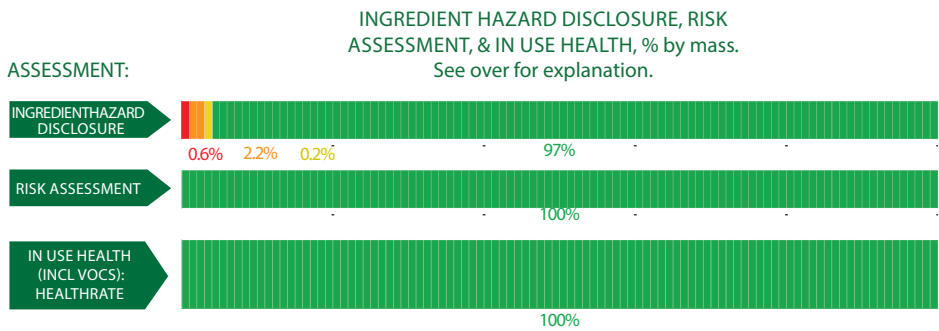
Vertilux's Euroscreen® Eco Metallised is a high quality 100% Trevira CS fabric. It is a transparent fabric with a metallised back that is designed to exceed the stringent standards in light, glare reduction and insulation from harmful UV rays.

Products/Ranges:	Ecoscreen® Eco Metallised
Product Stages Assessed:	Whole of life +re-use potential
Product Type:	Blinds
CSI Masterformat:	12 21 23 Roll-Down Blinds
Licenced Site/s:	Stammbach Germany
Licence Number:	VER:EC04:2021:PH
Licence Date:	26 May 2022
Valid To:	26 May 2024
Standard:	GGT International v4.0
Screening Date:	12 January 2022
PHD URL:	<a href="https://www.globalgreentag.com/getfile/12778/phd.pdf">https://www.globalgreentag.com/getfile/12778/phd.pdf</a>



<b>PHD Summary</b>	<b>Inventory Threshold:</b>	<b>Inventory Method:</b>
Percentage Assessed: <b>100%</b>	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' as Recognized for~ Credit 9: Responsible Finishes
- 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 5); Feature 11 (Part1); Feature 25 (Part 1, 2, 3, 4) , and, meets IWBI® WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X05 (Part 1); X06 (Part 2); X07 (Part 2); X08 (Part 1).
- Meets USGBC LEED® v4.0 and v4.1 Rating Tool Credit as Recognized for 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.



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 final product 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:

- substances used or created during the manufacturing process unless they remain in the final product; or
- 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 an 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 Personal Products Standard v1.0/1.1, and Cleaning Products Standard v1.1/1.2 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 & v4.1, WELL v1 & v2, 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" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	Problematic (Red): Target for Phase Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	Very Problematic (Dark Red): Target for Phase Very Hazardous ingredient with 'Red Light Exclusion" 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 Petroleum, Parabens plus a wide range of compounds stipulated by cleaning/personal products standards.


























Global GreenTag International Pty Ltd (Global GreenTag) is not a medical professional organisation. Global GreenTag does not purport to provide medical advice, and makes no warranty, representation, or guarantee regarding the declaration that it provides in relation to any allergies, chemical sensitivities or any other medical condition, nor does Global GreenTag assume any liability whatsoever arising out of the application or use of any product or piece of equipment that has been chemically assessed by Global GreenTag.








The chemical assessments carried out provide transparent information peer reviewed by a consultant toxicologist regarding the chemical make-up and ingredients of certain materials and products, but such assessments are not to be taken as any form of medical assessment or health advice and are not targeted towards providing specific solutions to allergenic conditions or any other type of medical concerns.

Users must carry out their own investigations if they are concerned about specific medical conditions and the impact of certain products or ingredients in relation to specific medical concerns.

Global GreenTag takes no responsibility and is not liable in any way with respect to any medical or health issues arising from a person's use of materials or products that have been chemically assessed by Global GreenTag. Global GreenTag shall not be liable for any direct, indirect, punitive, incidental, special or consequential damages to property or life whatsoever, arising out of or connected with the use or misuse of any materials or products that have been assessed by Global GreenTag.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Material 1: Twisted Staple Fibre Yarn (part 1)								
FR recycle Post industrial fibre	FR-modified PET polymer	30-50%	*	OK				Comment for HealthRate assessment Recycled Content: Post - Industrial Nanomaterials: None
Spin finish with 3 components	textile auxiliary (mixture of capped fatty acid oxalkylate, phosphoric acid ester and combination of interfacial active compounds with paraffinic hydrocarbons)	0-0.1%	*	OK				Comment for HealthRate assessment Spinning finish are removed largely from the fibre surface by the aqueous processing step. It will not cause harm to the end users. Recycled Content: None Nanomaterials: None
Titanium dioxide	Delustrant agent	0-0.1%	H351 (Carc. 2)	OK				Comment for HealthRate assessment Titanium dioxide can be harmful when it is inhaled, and it is classified as possibly carcinogenic to humans. However, as all Titanium dioxide particles are distributed over the whole fibre cross section and firmly enclosed by the PET polymer matrix and the concentration is extremely low, therefore is not expected to cause harm to the end users. Recycled Content: None Nanomaterials: None
Residual co-monomer (Phosphorus containing organic substance)	Flammability reduction	0-0.05%	H318 (Eye dam. 1)	OK				Comment for HealthRate assessment Single molecules are embedded into the polymer matrix in the PET polymer and the finished product is highly unlikely to contain the unreacted monomers at levels that would be considered a for the end user. Recycled Content: None Nanomaterials: None
Material 2: Twisted Staple Fibre Yarn (part 2)								
PET / CoPET virgin polymers	25038-59-9 (PET) / 24938-04-3 (CoPET)	5-10%	*	OK				Comment for HealthRate assessment Recycled Content: None Nanomaterials: None
Spin finish with 2 components	textile auxiliary (Mixture of capped fatty acid oxalkylate and phosphoric acid ester)	0-0.1%	*	OK				Comment for HealthRate assessment Spinning finish are removed in the weaving of grey fabric to guarantee the flame retardancy of the finished fabric. Recycled Content: None Nanomaterials: Unknown
Titanium dioxide	Delustrant agent	0-0.1%	H351 (Carc. 2)	OK				Comment for HealthRate assessment Titanium dioxide can be harmful when it is inhaled, and it is classified as possibly carcinogenic to humans. However, as all Titanium dioxide particles are distributed over the whole fibre cross section and firmly enclosed by the PET polymer matrix and the concentration is extremely low, therefore is not expected to cause harm to the end users. Recycled Content: None Nanomaterials: None
Material 3: Warp								
Post consumer PET from drinking bottles	25038-59-9 (PET)	20-30%	*	OK				Comment for HealthRate assessment Recycled Content: Post-consumer Nanomaterials: None
Virgin FR PET	FR-modified PET polymer	20-30%	*	OK				Comment for HealthRate assessment Recycled Content: None Nanomaterials: None
Spin finish (POY)	Textile auxiliary (mixture of anionic + non- ionic surfactants)	0-0.5%	H315 (Skin irrit. 2), H318 (Eye dam. 1)	OK				Comment for HealthRate assessment Recycled Content: The grey fabric is washed completely to remove the processing agents used and with the low concentration of agent remain, it is not expected to cause harm to the end-users. Nanomaterials: None

Coning oil (textured yarn)	Textile auxiliary (mainly mineral oil-based)	0.5-1%	H319 (Eye irrit. 2), H412 (Aquatic chronic 3)	OK				Comment for HealthRate assessment Recycled Content: Post-consumer Nanomaterials: None
Titanium dioxide	Delustrant agent	0.5-1%	H351 (Carc. 2)	OK				Comment for HealthRate assessment Titanium dioxide can be harmful when it is inhaled, and it is classified as possibly carcinogenic to humans. However, as all Titanium dioxide particles are distributed over the whole fibre cross section and firmly enclosed by the PET polymer matrix and the concentration is extremely low, therefore is not expected to cause harm to the end users. Recycled Content: None Nanomaterials: None
Material 3: Agent								
Proprietary	Complexing agent and surfactant	0-0.5%	H315 (Skin irrit. 1), H318 (Eye dam. 1), H412 (Aq chronic 3)	OK				Comment for HealthRate assessment The grey fabric is washed completely to remove the processing agents used and with the low concentration of agent remain, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown
Material 4: Agent								
Proprietary	Complexing agent	0-0.5%	H290 (Corr. to metals)	OK				Comment for HealthRate assessment Recycled Content: Unknown Nanomaterials: Unknown
Material 5: Agent								
Disodium dihydrogen (1-hydroxyethylidene) bisphosphonate	7414-83-7	0-0.5%	H302 (Acute tox. 4)	OK				Comment for HealthRate assessment The substance is only harmful when swallowed. As the grey fabric is washed completed, the processing agent used is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown
Material 6: Levelling agent								
2-(2-Butoxyethoxy)ethanol	112-34-5	0-0.5%	H319 (Eye Irrit. 2)	OK				Comment for HealthRate assessment The fabric is OEKO-TEX® STANDARD 100 certified, and the concentration of the substance is extremely low. Therefore, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown
Material 7: Agent after metalisation								
Proprietary	Grip agent	3-5%	*	OK				Comment for HealthRate assessment The fabric is OEKO-TEX® STANDARD 100 certified, and the concentration of the substance is extremely low. Therefore, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown
Material 8: Agent after metalisation								
Alcohols, C9-11-iso-, C10-rich, ethoxylated	78330-20-8	0-0.5%	H302 (Acute tox. 4), H318 (Eye dam. 1)	OK				Comment for HealthRate assessment Recycled Content: Unknown Nanomaterials: Unknown
Alcohols, C10-12, ethoxylated propoxylated	68154-97-2	0-0.5%	H302 (Acute tox. 4), H318 (Eye dam. 1)	OK				Comment for HealthRate assessment Recycled Content: Unknown Nanomaterials: Unknown
Material 9: Pigment								
Tristyrylphenol ethoxylated	99734-09-5	0-0.1%	H412 (Aq Chronic 3)	OK				Comment for HealthRate assessment The fabric is OEKO-TEX® STANDARD 100 certified, and the concentration of the substance is extremely low. Therefore, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown

Alcohols, C9-11, ethoxylated	68439-46-3	0-0.1%	H302 (Acute tox. 4), H318 (Eye dam. 1)	OK				Comment for HealthRate assessment The fabric is OEKO-TEX® STANDARD 100 certified, and the concentration of the substance is extremely low. Therefore, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown
Material 10: Pigment								
Yellow pigment	pigment	0-0.5%	*	OK				Comment for HealthRate assessment Recycled Content: Unknown Nanomaterials: Unknown
Material 11: Pigment								
CI Disperse Red 86	81-68-5	0.1-0.2%	H373 (STOT RE 2), H411 (Aq chronic 2)	OK				Comment for HealthRate assessment The fabric is OEKO-TEX® STANDARD 100 certified, and the concentration of the substance is extremely low. Therefore, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown
CI Disperse Red 86	69563-51-5	0.1-0.2%	H317 (Skin sens. 1B), H373 (STOT RE 2)	OK				Comment for HealthRate assessment The fabric is OEKO-TEX® STANDARD 100 certified, and the concentration of the substance is extremely low. Therefore, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown
Material 12: Pigment								
CI Disperse Blue 56	pigment	0-0.5%	H317 (Skin sens. 1B)	OK				Comment for HealthRate assessment The fabric is OEKO-TEX® STANDARD 100 certified, and the concentration of the substance is extremely low. Therefore, it is not expected to cause harm to the end-users. Recycled Content: Unknown Nanomaterials: Unknown

\* No GHS H-Statement classification

Comments:

VOC emissions: Formaldehyde emission of <0.005 mg/m3/hr for product applied on site is <0.1 mg/m3/hr measured using test method for ASTM D5116- 2017 "Standard Guide for Small-scaled Environmental Chamber Determinations of Organic Emissions from Indoor Materials/ Products" at FORAY Laboratories - NATA Accreditation 1231. Test approved by CETEC on 16th March 2021.

VOC content: TVOC Emission of 0.036 mg/m3/hr for product applied on site is <0.5 mg/mg3/hr measured using test method for ASTM D5116- 2017 "Standard Guide for Small-scaled Environmental Chamber Determinations of Organic Emissions from Indoor Materials/ Products" at FORAY Laboratories - NATA Accreditation 1231. Test approved by CETEC on 16th March 2021.