GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
Platinum HEALTH
CERT TM
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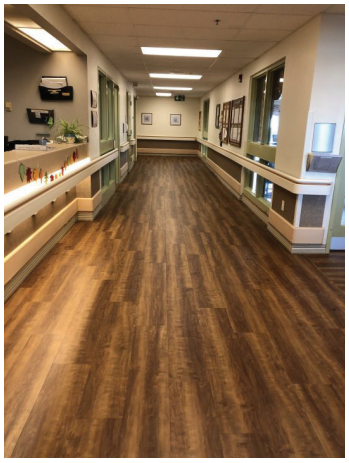
Zhangjiagang Elegant Home-Tech Co, Ltd
Dryback Luxury Vinyl Tile

Dryback LVT is heterogeneous vinyl tile, available in a wide range of designs such as wood, stone, abstract etc. The product is UV coated resulting in easy maintenance, suitable for applications in residential and commercial sectors. The product has low VOC emission, which enables a healthy indoor air environment.



Products/Ranges:	Dryback Luxury Vinyl Tile
Product Stages Assessed:	Raw materials, manufacturing, in-use
CSI Masterformat:	09 65 19.23 Vinyl Tile Flooring
Licenced Site/s:	Zhangjiagang, China
Licence Number:	ZEH-001-A-2019
Licence Date:	25th November 2019
Valid To:	25th November 2020
Standard:	GGT International v4.0
Screening Date:	25th November 2019
PHD URL:	globalgreentag.com/wp-content/uploads/2020/01/200107_ZEH_Dryback LVT_PHD_Secured_v2

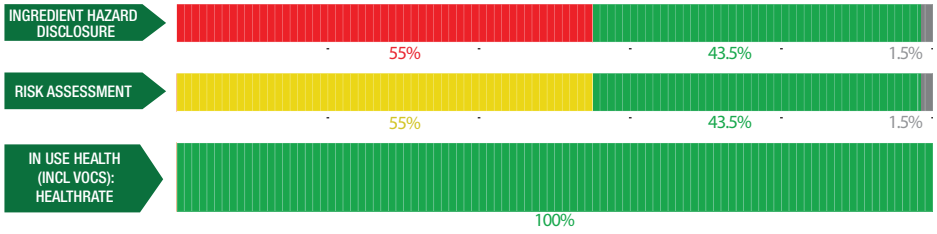
This PHD ceases currency when original GreenTag GreenRate certification expires or is revoked. Please check www.globalgreentag.com for currency. Note disclaimer over.

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

- GreenTag Banned List Compliant
- Meets Indoor Air Quality VOC emission requirements, for BREEAM, LEED & WELL
- Meets LEED® v4.0 and v4.1 credit MR: Building product disclosure and optimization - material ingredients - Option 1 and Option 2
- Meets WELL™ v1.0 Feature 4: VOC Reduction Part 3, 11: Fundamental Material - Part 1c, 26: Enhanced Material Safety, 97: Material Transparency and WELL™ v2.0 Features - X01: Fundamental Material Precautions - Part 1, X8: Hazardous Material Reduction, X10 Volatile Compound Reduction, X11: Long Term Emission Control Part 2, X13: Enhanced Material Precaution, X14: Material ransparency
- Low worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- Low user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- Low environmental exposure to Carcinogens, Mutagens, Reproductive Toxicants or Endocrine Disruptors

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass.

ASSESSMENT:



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 Comment required
Yellow	**Medium to Low** No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	**Moderate** 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%
Red	**Problematic (Red): Target for Phase** 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1%
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 (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Lime Stone mixture Powder							
Calcium Carbon-ate	471-34-1	50-55%	H315 (Skin Irrit. 2) H318 (Eye Dam. 1) H319 (Eye Irrit. 2) H335 (STOT SE 3)				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluat-ed in the final product. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: Unknown
Magnesiumm	7439-95-4	0.1-0.5%	H250 (Pyr. Sol. 1) H228 (Flam. Sol. 1) H260 (Water-react. 1)				Recycled Content: None Nanomaterials: Unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Declaration	Additive	0.05-0.15%	None				Recycled Content: None Nanomaterials: Unknown
Amorphous silicon dioxide (nano)	7631-86-9	0.05-0.15%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H332 (Acute Tox. 4) H335 (STOT SE 3) H350 (Carc. 1B) H371 (STOT RE 2) H372 (STOT RE 1) H373 (STOT RE 2)				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluated in the final product. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: Yes
Iron	7439-89-6	0.01-0.05%	H228 (Flam. Sol. 1) H251 (Self-heat. 1)				Recycled Content: None Nanomaterials: Unknown
PVC resin							
PVC resin	9002-86-2	30-35%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE 3) IARC 3				The VCM residue in the PVC resin doesn't exceed 1ppm. PVC resin itself is not classifiable as carcinogenic to humans. Recycled Content: None Nanomaterials: No
Bis(2-ethylhexyl) terephthalate (DOTP)							
Bis(2-ethylhexyl) terephthalate	6422-86-2	5-10%	None				Recycled Content: None Nanomaterials: None
Printed Film							
PVC resin	9002-86-2	1-3%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE 3) IARC 3				The VCM residue in the PVC resin doesn't exceed 1ppm. PVC resin itself is not classifiable as carcinogenic to humans. Recycled Content: None Nanomaterials: No
Declaration	Ink	0.5-1%	None				Recycled Content: None Nanomaterials: Unknown
Declaration	Additive	0.1-1%	None				Recycled Content: None Nanomaterials: Unknown
Calcium -Zinc Stabiliser							
Zinc disterate	557-05-1	0.1-0.5%	H302 (Acute Tox. 4) H319 (Eye Irrit. 2) H335 (STOT SE 3) H400 (Aquatic Acute 1) H413 (Aquatic Chronic 4)				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluated in the final product. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Calcium disterate	1592-23-0	0.1-0.3%	H302 (Acute Tox. 4) H312 (Acute Tox. 4) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H332 (Acute Tox. 4) H335 (STOT SE 3)				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluated in the final product. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: No
Declaration	Additive	0.1-0.2%	None				Recycled Content: None Nanomaterials: Unknown
UV coating Option 1							
2,2-bis(acryloy-loxymethyl)butyl acrylate trimethylolpropane triacrylate	15625-89-5	0.05-0.1%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)				The route of exposure to risks is via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
Polyurethane acrylate (PUA)	9009-54-5	0.01-0.05%	None				Recycled Content: None Nanomaterials: None
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)				The route of exposure to risks is via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
Amorphous silica	112945-52-5	0.01-0.03%	H302 (Acute Tox. 4) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H332 (Acute Tox. 4) H335 (STOT SE 3) H350 (Carc. 1B) H373 (STOT RE 2)				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Oxybis(methyl-2,1-ethanediyl) diacrylate	57472-68-1	0.01-0.03%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H318 (Eye Dam. 1)				The route of exposure to risks is via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
UV coating Option 2							
Polyurethane acrylate (PUA)	9009-54-5	0.05-0.1%	None				Recycled Content: None Nanomaterials: None
2,2-bis(acryloyloxymethyl)butyl acrylate trimethylolpropane triacrylate	15625-89-5	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)				The route of exposure to risks is via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)				The route of exposure to risks is via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
Amorphous silica	112945-52-5	0.01-0.03%	H302 (Acute Tox. 4) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H332 (Acute Tox. 4) H335 (STOT SE 3) H350 (Carc. 1B) H373 (STOT RE 2)				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
UV coating Option 3							
Polyurethane acrylate (PUA)	9009-54-5	0.05-0.1%	None				Recycled Content: None Nanomaterials: None

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
2,2-bis(acryloy-loxymethyl)butyl acrylate trimethylolpropane triacrylate	15625-89-5	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)				The route of exposure to risks is via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)				The route of exposure to risks is via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
Amorphous Silica	112945-52-5	0.01-0.03%	H302 (Acute Tox. 4) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H332 (Acute Tox. 4) H335 (STOT SE 3) H350 (Carc. 1B) H373 (STOT RE 2)				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a crosslinked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: None
Declaration	Additive	0.01%	None				Recycled Content: None Nanomaterials: Unknown
Pigment							
Carbon Black	1333-86-4	0.05-0.1%	H319 (Eye Irrit. 2) H335 (STOT SE 3) H351 (Carc. 2)				The routes of exposure to risks are via dermal contact. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluated in the final product. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: Unknown

Comments:

VOC emissions: Global GreenTag International Standard v4.0 Carpets and Floor Coverings Supplementary Standard in accordance with requirements of LEED v4.0, WELL V1.0 and V2.0 and BREEAM International Standard.

VOC content: TVOC concentration is <0.22 mg/m3 using test method CDPH standard method v1.2 with evidence support of GREENGUARD Gold certificate (valid until 29/09/2020)