

# PHD™

## Product Health Declaration



Elegant Home-Tech Co, Ltd

### Dryback & Loose Lay 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.

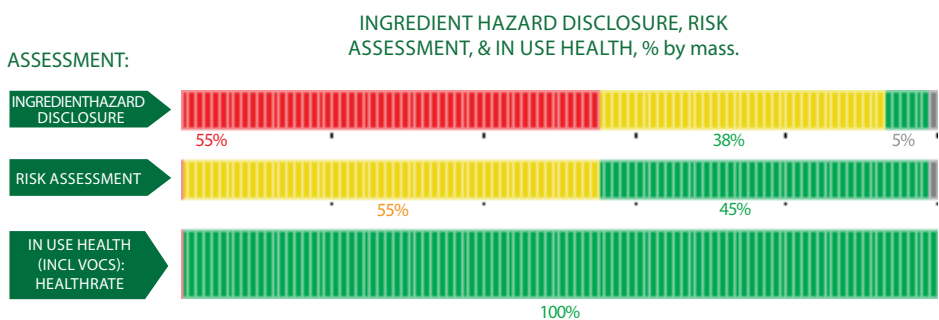
Loose Lay LVT is heterogeneous vinyl flooring, available in wood pattern. The product is UV coated resulting in easy maintenance, suitable for applications in residential and commercial sectors. The installation of Loose lay doesn't require any adhesive and is very easy. The product has low VOC emission, which enables a healthy indoor air environment.

Products/Ranges:	Dryback & Loose Lay 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:RF01:2022:PH
Licence Date:	25th November 2019
Valid To:	25th November 2024
Standard:	GGT International v4.0
Screening Date:	16th December 2022
PHD URL:	<a href="https://www.globalgreentag.com/getfile/12741/phd.pdf">https://www.globalgreentag.com/getfile/12741/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 3); Feature 25 (Part 1) , 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); X05 (Part 2); 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.
- Independent third party assessment for 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 risks 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) of a PHD rating relates ONLY to a Human Health Toxicity Assessment and is declared separately and not equivalent to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels of LCARate.

## 1.2 Preparing a PHD

GGT PHDs are prepared in the format of a transparency document which utilizes Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Hazard Classifications are then risk assessed with a focus on the In Use stage for an outcome of 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 International Standard v4.0/4.1, Personal Products Standard v1.0/1.1, or 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 Australasian 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<sup>®</sup> v4.0 & v4.1, WELL<sup>®</sup> v1.0 & v2.0, Green Star<sup>®</sup>, the following information is declared from the audit:

Colour	Ingredient Hazard Disclosure
Green	Level 4 The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects.
Yellow	Level 3 The hazard level of this ingredient indicates that the ingredient is mildly toxic and/or has short/medium term reversible health effects.
Orange	Level 2 The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects.
Red	Level 1 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects.
Black	Level 0 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects and is banned from being detectable above trace amounts in the final product.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Colour	Risk Assessment & In Use Health Assessment Outcome
Green	No Concerns The risk assessment outcomes for the hazard level and percentage of ingredient used in the product after risk assessment is considered highly unlikely and therefore without concerns.
Yellow	Human Health Comment The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low with an unlikely potential risk.
Orange	Issue of Concern or Issue of Concern Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to high with a higher than unlikely potential for risk.
Red	Red Light Comment or Red Light Comment Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to extremely high with a moderate potential for risk.
Dark Red	Red Light Exclusion The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered medium to extremely high with a likely potential for risk.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Level 0 Hazard Level categorised chemicals such as Substances of Very High Concern in the International Standard v4.0/v4.1 and/or Petroleum, Parabens plus a wide range of additional compounds stipulated by the Personal Products Standard v1.0/1.1 and Cleaning Products Standard v1.1/1.2

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
Limestone mixture Powder								
Calcium Carbonate	471-34-1	65-70%	H315 (Skin Irrit. 2) H318 (Eye Dam. 1) H319 (Eye Irrit. 2) H335 (STOT SE 3)	OK				The routes of exposure to risks are via skin contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapsulated 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)	OK				Recycled Content: None Nanomaterials: Unknown
Declaration	Additive	0.05-0.15%	None	OK				Recycled Content: None Nanomaterials: Unknown
Silicon dioxide	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)	OK				The routes of exposure to risks are via skin contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapsulated in the final product. The exposure to risks for end users is extremely low to zero.  Recycled Content: None Nanomaterials: likely
Iron	7439-89-6	0.01-0.05%	H228 (Flam. Sol. 1) H251 (Self-heat. 1)	OK				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	OK				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	OK				Recycled Content: None Nanomaterials: None
Printed Film								

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
PVC resin	6422-86-2	1-3%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE 3) IARC 3	OK				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	OK				Recycled Content: None Nanomaterials: Unknown
Declaration	Additive	0.1-1%	None	OK				Recycled Content: None Nanomaterials: Unknown
Calcium -Zinc Stabiliser								
Zinc distearate	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)	OK				The routes of exposure to risks are via skin contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapsulated in the final product. The exposure to risks for end users is extremely low to zero. The manufacturer is ISO14001 certified, so the likelihood of this ingredient being leaked to marine environment is very low.  Recycled Content: None Nanomaterials: No
Calcium distearate	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)	OK				The routes of exposure to risks are via skin contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapsulated 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	OK				Recycled Content: None Nanomaterials: Unknown
UV coating Option 1								




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
2,2-bis(acryloyloxymethyl)butyl acrylate trimethylolpropane triacrylate	15625-89-5	0.05-0.1%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)	OK				<p>The route of exposure to risks is via skin 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 encapsulated with the solid coating. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
Polyurethane acrylate (PUA)	9009-54-5	0.01-0.05%	None	OK				<p>Recycled Content: None Nanomaterials: None</p>
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)	OK				<p>The route of exposure to risks is via skin 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 encapsulated with the solid coating. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
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)	OK				<p>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 encapsulated in the final product. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>

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
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)	OK				<p>The route of exposure to risks is via skin 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 encapsulated with the solid coating. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
UV coating Option 2								
Polyurethane acrylate (PUA)	9009-54-5	0.05-0.1%	None	OK				<p>Recycled Content: None Nanomaterials: None</p>
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)	OK				<p>The route of exposure to risks is via skin 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 encapsulated with the solid coating. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>

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
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)	OK				<p>The route of exposure to risks is via skin 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 encapsulated with the solid coating. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
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)	OK				<p>The routes of exposure to risks are via skin contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapsulated in the final product. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
UV coating Option 3								
Polyurethane acrylate (PUA)	9009-54-5	0.05-0.1%	None	OK				<p>Recycled Content: None Nanomaterials: None</p>

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
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)	OK				<p>The route of exposure to risks is via skin 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 encapsulated with the solid coating. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2) H317 (Skin Sens. 1) H319 (Eye Irrit. 2)	OK				<p>The route of exposure to risks is via skin 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 encapsulated with the solid coating. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
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)	OK				<p>The routes of exposure to risks are via skin contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapsulated in the final product. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: None</p>
Declaration	Additive	0.01%	None					<p>Recycled Content: None Nanomaterials: Unknown</p>



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
Pigment								
Carbon Black	1333-86-4	0.05-0.1%	H319 (Eye Irrit. 2) H335 (STOT SE 3) H351 (Carc. 2)	OK				<p>The routes of exposure to risks are via skin contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapsulated in the final product. The exposure to risks for end users is extremely low to zero.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>

**Comments:**

TVOC concentration is less than 0.5 mg/m3 using test method CDPH / EHLB standard method v1.2 with evidence support of GREENGUARD Gold certificate (valid until 29/09/2023)