



CFL Flooring International Limited

Rigid LVT (With/Without a Pre-attached Backing)

Rigid LVT is a rigid core vinyl flooring, designed for both Residential and Commercial applications. The product is waterproof, easy-to-install and maintain, features low VOC emissions and is available in 3-8mm overall thicknesses.

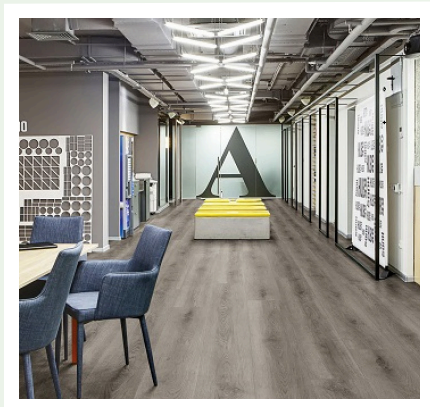
Products/Ranges:
Product Stages Assessed:
CSI Masterformat:

Rigid LVT (With/Without a Pre-attached Backing)
Raw materials, manufacturing and in-use
09 65 19.23 Vinyl Tile Flooring

Licenced Site/s:
Licence Number:
Licence Date:
Valid To:
Standard:
Screening Date:
PHD URL:

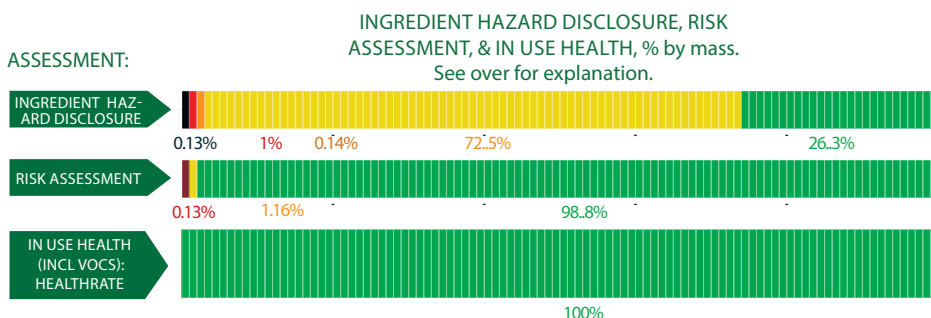
China
CFL:RF01:2023:PH
19th April 2021
26th February 2024
GGT International v4.0
9th June 2023

<https://www.globalgreentag.com/getfile/12920/phd.pdf>



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

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED® Material Transparency & Optimization credits included below:
- 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 3) and, meets IWBI® WELL™ v2.0 as Recognized for ~ X01 (Part 1, 2, 3); X05 (Part 2); X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ ; 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:

- 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 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" 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.
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 POPs, SVHCs plus a wide range of compounds depending on specific Standard requirements.

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
CaCO3 mixture powder								
Calcium Carbonate	471-34-1	66-75%	H315, (Skin irrit. 2) H318 (Eye Dam. 1) H335 (STOT SE3)	OK				The manufacturer is ISO 14001 certified. 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 low. Recycled Content: None Nanomaterials: No
Magnesium Oxide	1309-48-4	0.1-0.5%	*	OK				Recycled Content: None Nanomaterials: No
Aluminium oxide	1344-28-1	0.2-0.3%	*	OK				Recycled Content: None Nanomaterials: No
Diiron trioxide	1309-37-1	0.01-0.05%	H315, (Skin irrit. 2) H318 (Eye Dam. 1) H319 (Eye Irrit. 2) H335 (STOT SE3) H372 (STOT SE 1) H411 (Aquatic Chronic 2)	OK				The manufacturer is ISO 14001 certified which mitigates the risk of harming marine environment. 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 low. Recycled Content: None Nanomaterials: No
Polyvinyl Chloride Binder								
Polyvinyl Chloride	9002-86-2	21-25%	IARC 3 H315 (Skin irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE3)	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
PVC Wear Layer								
Polyvinyl Resin	9002-86-2	3-5%	IARC 3 H315 (Skin irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE3)	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




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
Diocetyl Terephthalate (DOTP)	6422-86-2	0-1%	*	OK				Recycled Content: None Nanomaterials: No
Environmental stabilizer	Stabilizer	0.-0.5%	*	OK				Recycled Content: None Nanomaterials: No
Pre-attached Backing								
Polyethylene	9002-88-4	1-5%	*	OK				Recycled Content: None Nanomaterials: No
Calcium Carbonate	471-34-1	0.7-1%	H315, (Skin irrit. 2) H318 (Eye Dam. 1) H335 (STOT SE3)	OK				The manufacturer is ISO 14001 certified. 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 low. Recycled Content: None Nanomaterials: No
Ethylene/vinyl acetate copolymer	24937-78-8	0.5-1%	H317 (Skin Sens. 1B) H351 (Carc. 2)	OK				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 low. Recycled Content: None Nanomaterials: No
Zinc oxide	1314-13-2	0.05-0.1%	H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				The manufacturer is ISO 14001 certified which mitigates the risk of harming marine environment. Recycled Content: None Nanomaterials: No

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
Carbon Black	1333-86-4	0.01-0.05%	H319 (Eye Irrit. 2) H335 (STOT SE 3) H351 (Carc. 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 low.</p> <p>Recycled Content: None Nanomaterials: No</p>
Dicumyl peroxide	80-43-3	0.02-0.05%	H242(Org. Perox. F) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H411(Aquatic Chronic 2) H360D (Repr. 1B)	OK				<p>The manufacturer of Dicumyl peroxide has OHS system in place. The ingredient is encapsulated with the backing. Plus the manufacturing of backing takes place under high temperature between 180 - 200 celsius degree and this ingredient will be reacted to diminish. CFL provides a test report to show that the residue is below 1ppm which is negligible. The exposure to risks for end users is low.</p> <p>Recycled Content: None Nanomaterials: No</p>
Stearic acid	57-11-4	0.01-0.03%	H228 (Flam. Sol 1) H302 (Aucte Tox. 4) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE 3) H412 (Aquatic Chronic 3)	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 low.</p> <p>Recycled Content: None Nanomaterials: No</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
C,C'-azodi(formamide)	123-77-3	0.01-0.5%	H334(Resp. Sens. 1)					ADCA is in powder form and it a foaming agent. When heated, ADCA undergoes thermal decomposition and releases gas, which causes the material to expand and foam. Due to its low boiling point and weak intermolecular forces, ADCA can easily change from a solid state into a gas state without leaving behind any significant residue. ADCA residue test report is provided and ADCA is not detected in the final product. Additionally, the manufacture EMS and OHS policy in place to eliminate the risk. The supplier also has measures to control the risk. Recycled Content: None Nanomaterials: No
PVC design film								
Polyvinyl Chloride	9002-86-2	1-2%	ICAR 3 H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE 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
Vinyl chloride copolymer resin	Solvent	0.01-0.05%	*	OK				Recycled Content: None Nanomaterials: No
Organic pigment	Pigment	0.01-0.05%	*	OK				Recycled Content: None Nanomaterials: No
Organic solvent mixing	Solvent mixing	0.01-0.1%	*	OK				Recycled Content: None Nanomaterials: No
Plasticiser								
Diocetyl Terephthalate (DOTP)	6422-86-2	0.5-1%	*	OK				Recycled Content: None Nanomaterials: No
Stabiliser Mixture								
Zeolites	1318-02-1	0.15-0.2%	*	OK				Recycled Content: None Nanomaterials: No
Zinc distearate	557-05-1	0.1-0.15%	*	OK				Recycled Content: None Nanomaterials: No

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
Calcium distearate	1592-23-0	0.05-0.1%	*	OK				Recycled Content: None Nanomaterials: No
Polyethylene	9002-86-4	0.01-0.05%	*	OK				Recycled Content: None Nanomaterials: No
Calcium Carbonate	471-34-1	0.01-0.05%	*	OK				Recycled Content: None Nanomaterials: No
[carbonato(2-)] hexadecahydroxybis(aluminium) hexamagnesium	11097-59-9	0.01-0.1%	*	OK				Recycled Content: None Nanomaterials: No
Water-based Adhesive								
Water	7732-18-5	0.15-0.2%	*	OK				Recycled Content: None Nanomaterials: No
2-propenoic acid, butylester, homopolymer	9003-49-0	0.15-0.2%	H315 (Skin irrit. 2)	OK				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 encapsulated in the final product. The exposure to risks for end users is LOW. Recycled Content: None Nanomaterials: No
Poly (methyl methacrylate-co-ethyl acrylate)	9010-88-2	0.01-0.05%	H302 (Acute Tox. 4) H332 (Acute Tox. 4)	OK				The routes of exposure to risks are via digestion. 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 low. Recycled Content: None Nanomaterials: No
Pigment								
Carbon Black	1333-86-4	0.1-0.2%	H319 (Eye Irrit. 2) H335 (STOT SE 3) H351 (Carc. 2)	OK				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 low. Recycled Content: None Nanomaterials: No
UV finish base coating								
Polyurethane acrylate (PUA)	9009-54-5	0.01-0.5%	*	OK				Recycled Content: None Nanomaterials: No

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-methyl-1,2-ethanediyl) bis[oxy(methyl-2,1-ethanediyl)] diacrylate	42978-66-5	0.01-0.05%	H315 (Skin Irrit. 2), H317 (Skin Sens. 1)H319 (Eye Irrit. 2) H335 (STOT SE 3)H411(Aquatic Chronic 2)	OK				<p>The route of exposure to risks is 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 cross-linked network of polymers, the substance is encapsulated with the solid coating. The exposure to risks for end users is extremely low. Plus the product has low VOC emission.</p> <p>Recycled Content: None Nanomaterials: No</p>
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.5%	H315 (Skin Irrit. 2), H317 (Skin Sens. 1)H319 (Eye Irrit. 2)	OK				<p>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 cross-linked network of polymers, the substance is encapsulated with the solid coating. The exposure to risks for end users is low.</p> <p>Recycled Content: None Nanomaterials: No</p>
Silicon dioxide	112926-00-8	0.01-0.05%	*	OK				<p>Recycled Content: None Nanomaterials: No</p>
UV finish top coating								
Polyurethane acrylate (PUA)	9009-54-5	0.01-0.05%	*	OK				<p>Recycled Content: None Nanomaterials: No</p>
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.5%	H315 (Skin Irrit. 2), H317 (Skin Sens. 1)H319 (Eye Irrit. 2)	OK				<p>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 cross-linked network of polymers, the substance is encapsulated with the solid coating. The exposure to risks for end users is low.</p> <p>Recycled Content: None Nanomaterials: No</p>
Silicon dioxide	112926-00-8	0.01-0.05%	*	OK				<p>Recycled Content: None Nanomaterials: No</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-Hydroxycyclohexyl phenyl ketone	947-19-3	0.01-0.02%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE 3) H332(Acute Tox. 4)	OK				<p>The route of exposure to risks is 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 cross-linked network of polymers, the substance is encapsulated with the solid coating. The exposure to risks for end users is extremely low. Plus the product has low VOC emission.</p> <p>Recycled Content: None Nanomaterials: No</p>

* No GHS H-Statement classification

Comments:

VOC emissions: Global GreenTag International Standard v4.0 Carpets and Floor Coverings Supplementary Standard in accordance with requirements of LEED v4.0, and BREEAM International Standard. TVOC concentration is 0.082mg/m3h with evidence support of Eurofins' Indoor Air Comfort Gold® VOC emission test report (report was generated on 11 January 2022).