



## Armstrong Flooring Pty Ltd Natural Creations

Armstrong Flooring's Natural Creations Luxury Vinyl Plank & Tile Flooring offers an array of modular shapes and sizes inspired by the natural beauty of wood, the colours and organic variations of stone and the distinctive woven appearance of textiles. The resilient flooring can be used for both commercial and residential projects.

<b>Products/Ranges:</b>	<b>Natural Creations</b>
<b>Product Stages Assessed:</b>	<b>Raw, manufacturing, in use</b>
<b>CSI Masterformat:</b>	<b>09 65 19.23 Vinyl Tile Flooring</b>
<b>Licenced Site/s:</b>	<b>Shanghai, China</b>
<b>Licence Number:</b>	<b>AWF-013-v1-2018</b>
<b>Licence Date:</b>	<b>9th August 2018</b>
<b>Valid To:</b>	<b>9th August 2021</b>
<b>Standard:</b>	<b>GGT International v4.0</b>
<b>Screening Date:</b>	<b>6th February 2018</b>
<b>PhD URL:</b>	<b><a href="http://www.globalgreentag.com/wp-content/uploads/2019/07/19026_AWI_Natural-Creations_PHD_v3.pdf">http://www.globalgreentag.com/wp-content/uploads/2019/07/19026_AWI_Natural-Creations_PHD_v3.pdf</a></b>

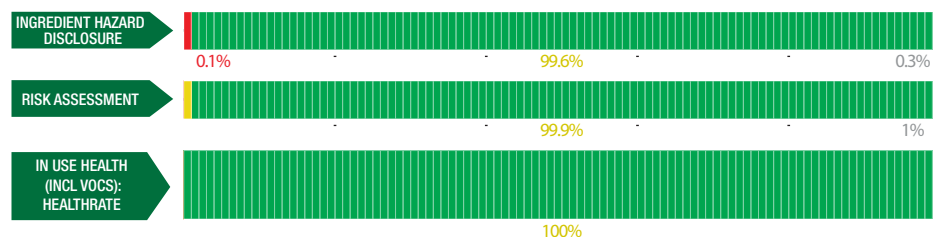


This PhD ceases currency when original GreenTag GreenRate/LCARate certification expires or is revoked. Please check [www.globalgreentag.com](http://www.globalgreentag.com) for currency. [Note disclaimer over.](#)

<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
- Meets Indoor Air Quality VOC emission requirements, for Green Star, LEED & BREEAM
- Contributes towards satisfying Feature 04 VOC Reduction Part 3 Flooring, Feature 26 Enhanced Material Safety Part 1 Precautionary Material Selection, and Feature 97 Material Transparency Part 1 Material Information, under the WELL Building Standard™
- 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 Toxicant or Endocrine Disruptors

**ASSESSMENT:**



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

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:

- 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 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	<b>Ideal- Low</b> No Comment required
Yellow	<b>Medium to Low</b> No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	<b>Moderate</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%
Red	<b>Problematic (Red): Target for Phase</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1%
Grey	<b>Uncategorised</b> Not able to be categorised due to lack of toxicity impact information.
Black	<b>Banned Ingredients</b> 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	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
<b>Calcium Carbonate</b>							
Calcium Carbonate	471-34-1	50-70%	Not Classified				Recycled Content: Unknown Nanomaterials: Unknown
<b>Polyvinyl Chloride (PVC)</b>							
PVC resin	9002-86-2	10-30%	IARC Cat. 3				PVC is not classifiable as carcinogenic to humans. Best Practice PVC certification ensures that the concentration of the monomer in the PVC resin does not exceed 1ppm.  Recycled Content: None Nanomaterials: No
Proprietary	Additives	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown

Diocetyl terephthalate (DOTP)							
Diocetyl terephthalate (DOTP)	6422-86-2	10-20%	None				Recycled Content: None Nanomaterials: No
Compound Stabilizer for PVC							
Zinc Stearate	557-05-1	1-2%	None				Recycled Content: Unknown Nanomaterials: Unknown
Proprietary	Additives	1-2%	None				Recycled Content: Unknown Nanomaterials: Unknown
Calcium Stearate	1592-23-0	0.5-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Glass Fiber							
Glass Fiber	Enforcement layer	1-2%	Skin Irrit 2 Eye Irrit 2 STOT SE 3				Once reacted in the product, glass fiber is not expected to cause harm for the user. The unreacted substance is irritating to the skin, eyes and if inhaled. The manufacturer of the flooring operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage.  Recycled Content: Unknown Nanomaterials: Unknown
Polymerized Substance	25085-34-1	0.1-0.5%	None				Recycled Content: Unknown Nanomaterials: No
Proprietary	Additives	0.0-0.1%	None				Recycled Content: Unknown Nanomaterials: Unknown
IXP							
Polyethylene	9002-88-4	1-2%	IARC Cat. 3				Recycled Content: Unknown Nanomaterials: No
Proprietary	Pigments	0.0-0.1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Hot melt adhesive							
Styrene/Butadiene Copolymer	9003-55-8	0.1-0.5%	IARC Cat. 3				Recycled Content: None Nanomaterials: No
Hydrogenated hydrocarbon resin	64742-16-1	0.1-0.5%	None				Recycled Content: None Nanomaterials: No
Proprietary	Additives	0.1-0.5%	None				Recycled Content: Unknown Nanomaterials: Unknown
PU Coating							
Trimethylolpropane triacrylate (TMPTA)	15625-89-5	0.01-0.1%	Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2				The substance reacts during the curing of the varnish and the finished product is highly unlikely to contain the unreacted substance at levels that would be considered an issue for an end user.  Recycled Content: None Nanomaterials: No
Tripropyleneglycol diacrylate (TPGDA)	42978-66-5	0.01-0.1%	Skin Irrit 2 Skin Sens 1 Eye Irrit 2 STOT SE 3 Aqua Chr 2				The substance reacts during the curing of the varnish and the finished product is highly unlikely to contain the unreacted substance at levels that would be considered an issue for an end user.  Recycled Content: None Nanomaterials: No
Cycloalkyl processing oil	8042-47-5	0.1-0.5%	Asp. Tox. 1				Recycled Content: None Nanomaterials: No
Proprietary	Additives	0.01-0.1%	None				Recycled Content: Unknown Nanomaterials: Unknown
<b>Comments:</b> The product has received SCS FloorScore certification for low VOC emissions.							

