



## Zhejiang Walrus New Material Co., Ltd ABA-structured SPC

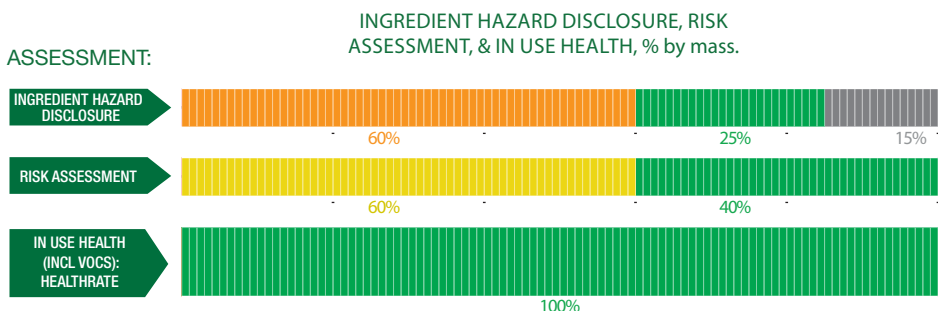
Vinyl floors is made with multiple layers of synthetic materials fused together and is best known for its water-proof properties. It is a great choice for wet areas such as kitchens and bathrooms, where wood and laminate floors are not suitable options. With its characteristics of being moisture- and stain-resistant, versatile, and durable, vinyl flooring can endure heavy foot traffic, provide comfortable under foot and reduce noise. Its easy installation and maintenance also promise its wide utilizations for both commercial and residential purposes.

**Products/Ranges:** ABA-structured SPC 4.0-6.0mm  
**Product Stages Assessed:** Raw materials, manufacturing, in-use  
**CSI Masterformat:** 096519.23 Vinyl Tile Flooring  
**Licenced Site/s:** Zhejiang, China  
**Licence Number:** ZWN:ZW05:2020:PH  
**Licence Date:** 2nd October 2020  
**Valid To:** 2nd October 2021  
**Standard:** GGT International v4.0  
**Screening Date:** 6th October 2020  
**PHD URL:** [https://www.globalgreentag.com/wp-content/uploads/2020/10/200701\\_ZWN\\_ABA-structured-SPC\\_PHD\\_Certificate\\_v3.pdf](https://www.globalgreentag.com/wp-content/uploads/2020/10/200701_ZWN_ABA-structured-SPC_PHD_Certificate_v3.pdf)



<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
- Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1 - Material Ingredient Reporting and Option 2 - International ACP - REACH Optimization
- Meets WELL™ v1.0 Features - 11: Fundamental Material - Part 1c, 26: Enhanced Material Safety, 97: Material Transparency and WELL™ v2.0 Features - X01: Fundamental Material Precautions - Part 1c, X10 Volatile Compound Reduction, X13: Enhanced Material Precaution, X14: Material Transparency
- No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- No environmental exposure to Carcinogens, Mutagens, Reproductive Toxicants 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 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 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	<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.
Red	<b>Problematic (Red): Target for Phase</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient.
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
Material: PVC							
Polyvinyl Chloride	9002-86-2	10-30%	IARC 3, H315 (Skin Irrit. 2), H319 (Eye Irrit. 2)	█	█	█	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
Material: Calcium carbonate							

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 carbonate	471-34-1	50-70%	H315 (Skin Irrit. 2), H318 (Eye Irrit. 2), H319 (Eye Dam. 1)				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 extremely low to zero.  Recycled Content: None Nanomaterials: No
Magnesium oxide	1309-48-4	0-5%	H319 (Eye Irrit. 2)				The routes of exposure to risks are via eye 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 extremely low to zero.  Recycled Content: None Nanomaterials: No
Silicon dioxide	7631-86-9	0-5%	IARC 3				Silicon dioxide is not classifiable as to its carcinogenicity to humans. 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	5-10%	none				Recycled Content: Unknown Nanomaterials: Unknown
Material: DOTP							
Diocetyl Terephthalate (DOTP)	6422-86-2	1-5%	none				Recycled Content: None Nanomaterials: No
Material: Stabiliser							
Declaration	Stabiliser	1-5%	none				Recycled Content: Unknown Nanomaterials: Unknown
Material: Carbon Black							
Carbon Black	133-86-4	0-1%	IARC 2B				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 extremely low to zero.  Recycled Content: None Nanomaterials: No
Material: UV coating							
Declaration	UV coating	0-1%	H319 (Eye Irrit. 2), H315 (Skin Irrit. 2)				Recycled Content: Unknown Nanomaterials: Unknown
Tri(propylene glycol) diacrylate	42978-66-5	0-1%	H315 (Skin Irrit. 2), H319 (Skin Sens. 1), H335 (STOT SE 3), H317 (Eye Irrit. 2), H411 (Aquatic Chronic 2), H413 (Aquatic Chronic 4)				End user is not exposed directly to the unreacted monomer of Tri(propylene glycol) diacrylate, an exposure to the end user is negligible.  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
Hexamethylene diacrylate	13048-33-4	0-1%	H315 (Skin Irrit. 2), H317 (Skin Sens. 1), H319 (Eye Irrit. 2), H400 (Aquatic Acute 1), H411 (Aquatic Chronic 2)				The routes of exposure to risks are via dermal and eye 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 extremely low to zero.  Recycled Content: None Nanomaterials: No
2-hydroxy-2-methyl-propiofenone	7473-98-5	0-1%	H302 (Acute Tox. 4), H412 (Aquatic Chronic 3)				Recycled Content: None Nanomaterials: No
Material: UV coating							
Declaration	UV coating	0-1%	H319 (Eye Irrit. 2), H315 (Skin Irrit. 2)				Recycled Content: Unknown Nanomaterials: Unknown
Oxybis(methyl-2,1-ethanedyl) diacrylate	57472-68-1	0-1%	H315 (Skin Irrit. 2), H318 (Eye Dam. 1), H317 (Skin Sens. 1)				The routes of exposure to risks are via dermal and eye 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 extremely low to zero.  Recycled Content: None Nanomaterials: No
1-Hydroxycyclohexyl phenyl ketone	947-19-3	0-1%	H319 (Eye Irrit. 2)				The routes of exposure to risks are via eye 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 extremely low to zero.  Recycled Content: None Nanomaterials: No
Hydrated silica	112926-00-8	0-1%	None				Recycled Content: None Nanomaterials: No
Material: film							
Polyvinyl chloride printed film	9002-86-2	0-5%	IARC 3, H315 (Skin Irrit. 2), H319 (Eye Irrit. 2)				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
Methyl ethyl ketone	78-93-3	0-1%	H319 (Eye Irrit. 2), H336 (STOT SE 3)				The film is cured before use. No hazards from this ingredient exist in the use phase.  Recycled Content: None Nanomaterials: No
Aldehyde ketone resin	25054-06-2	0-1%	None				Recycled Content: None Nanomaterials: No
Material: Wearlayer							
Declaration	Film	5-10%	None				Recycled Content: Unknown Nanomaterials: Unknown
Material: Acrylic copolymer							
Butyl acrylate-methyl methacrylate polymers	25852-37-3	0-1%	None				Recycled Content: None Nanomaterials: No
Material: Polyethylene wax							

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
Polyethylene wax	9002-88-4	0-1%	IARC 3				The wax is cured before use. No hazards from this ingredient exist in the use phase.  Recycled Content: None Nanomaterials: No
Material: Chlorinated polyethylene							
Chlorinated polyethylene	63231-66-3	0-1%	None				Recycled Content: None Nanomaterials: No
Material: Stearic Acid							
Stearic Acid	123-94-4	0-1%	None				Recycled Content: None Nanomaterials: No
Material: Oxidized PE wax							
Oxidized PE wax	68441-17-8	0-1%	None				Recycled Content: None Nanomaterials: No

**Comments:**

VOC emissions: TVOC mg/m3 for the product is <0.5 mg/m3 as certified by SCS Global Services. Global GreenTag International Program Standard v4.0 Carpet and Floor Coverings Supplementary Standard is in accordance with requirements of the Green Building Council of Australia, New Zealand Green Building Council and LEED v4, as updated from time to time.

