



Amorim Revestimentos

Wicanders® Corkcomfort Floating HPS Flooring

Scope of Range: Corkcomfort Floating HPS
 Life Cycle Assessed: Manufacturing, in use and end of life

Licenced Site/s: São Paio de Oleiros, Portugal
 Licence Number: AMO-002-v1-2016
 Licence Date: 20th March 2017
 Valid To: 11th October 2019
 Standard: GGT International v4.0
 Assessment Year: 2016

This PhD ceases currency when original GreenTag GreenRate/LCARate certification expires or is revoked. Please check www.globalgreentag.com for currency.

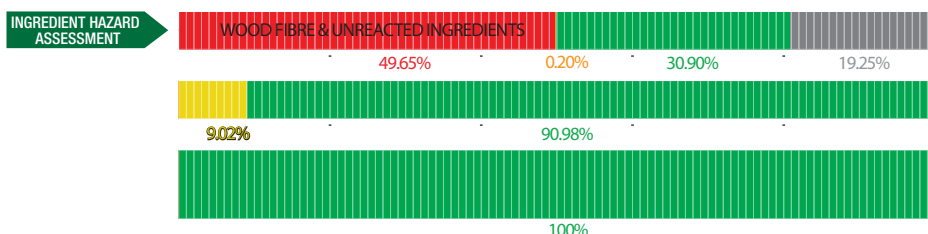
The Global GreenTag Product Health Declaration has been designed to provide an additional level of service to the green product sector in facilitating an easier industry understanding of both the health hazard and risk (if any) associated with any certified product/s.



PhD Summary
 Percentage Assessed: **100%** Declaration Limit: **100ppm**

- Very low USER exposure to Carcinogens, Mutagens, Reproductive Toxics or Endocrine Disruptors
- Very low WORKER exposure to Carcinogens, Mutagens, Reproductive Toxics or Endocrine Disruptors
- Very low ENVIRONMENTAL exposure to Carcinogens, Mutagens, Reproductive Toxics or Endocrine Disruptors
- Meets Indoor Air Quality VOC emission requirements, for Green Star and LEED
- GreenTag Banned List Compliant

MANUFACTURING, IN USE, & END OF LIFE STAGES
 % by mass. See over for explanation.



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	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





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.



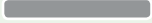


















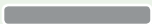






The chemical assessments carried out provide transparent information peer reviewed by a consultant toxicologist regarding the chemical make-up and ingredients of certain materials and products, but such assessments are not to be taken as any form of medical assessment or health advice and are not targeted 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.

PRODUCT ANALYSIS:

Ingredient Name	Function and details	GHS, IARC and Endocrine Category	Hazard Assessment (Raw)	Finished Product Assessment	Comment
PU Resin	Polyurethane resin used for cork backing agglomerate. Individual substances reviewed by Global GreenTag.	STOT Cat 2, Eye Irritation Cat 2A, Skin Irritation Cat 2, Respiratory Sensitisation Cat 1, Skin Sensitisation-Cat 1, Carcinogenicity Cat 2, STOT Cat 3 Not Classified	 	 	The unreacted ingredients can be harmful. Once reacted, these ingredients are expected to remain in the product only in trace amounts which are not a concern for end users. An on-site inspection has demonstrated that occupational health and safety and environmental management systems are in place that mitigate any potential risks to an acceptable level.

Ingredient Name	Function and details	GHS, IARC and Endocrine Category	Hazard Assessment (Raw)	Finished Product Assessment	Comment
MUF Resin	Melamine Urea Formaldehyde based resin for cork agglomerate.	Not Classified			Formaldehyde based resin may contain very low amounts of free formaldehyde which can be hazardous by inhalation. However, the finished product is GreenGuard GOLD certified for very low chemical emissions including formaldehyde emissions. An on-site inspection has demonstrated that occupational health and safety and environmental management systems are in place that mitigate any potential risks to an acceptable level.
PVA Glue	Modified aqueous polyvinyl acetate adhesive used for cork and HDF lamination.	Not Classified			None
PU-EVA Glue	Waterbased polyurethane ethyl vinyl acetate adhesive used for cork and PVC lamination.	Not Classified			None
UV PVC Antiscratch Varnish	Topcoat UV acrylates and polyesteracrylates varnish is used for surface finish on top of PVC. Individual substances reviewed by Global GreenTag.	Skin Irritation Cat 2 Eye Irritation Cat 2 Skin Sensitisation Cat 1 Chronic Aquatic Cat 3 Eye Irritation Cat 2 Skin Sensitisation Cat 1 Skin Sensitisation Cat 1 Eye Damage Cat 1 Skin Irritation Cat 2 Skin Sensitisation Cat 1 STOT RE Cat 2 Chronic Aquatic Cat 3 Skin Sensitisation Cat 1 Eye Damage Cat 1 Eye Irritation Cat 2	     	     	The raw unreacted ingredients of the varnish can be hazardous for the aquatic environment. An on-site inspection has demonstrated that occupational health and safety and environmental management systems are in place that mitigate any potential risks to an acceptable level. The uncured varnish also contains substances that can cause serious damage to health by ingestion, and can cause sensitisation by skin contact. These risks do not relate to the product in use as these chemicals are not expected to be available once the varnish is cured.
High Density Fibreboard	High density fibreboard used as core layer. Individual substances reviewed by Global GreenTag.	IARC Cat 1 Acute Toxicity Cat 1, 2, 3 Skin Corrosion Cat 1 Skin Sensitisation Cat 1 Mutagenicity Cat 1A, 1B Acute Aquatic Toxicity Cat 2 Eye Irritation Cat 2A STOT Cat 1, 3 Carcinogenicity Cat 1A, 1B Chronic Acute Toxicity Cat 2 Reproduction Toxicity Cat 1A, 1B Skin Sensitisation Cat 1 Not Classified Not Classified	    	    	Inhaled wood fibre can cause lung cancer under long term occupational exposure and during manufacture. An on-site inspection has demonstrated that occupational health and safety and environmental management systems are in place that mitigate any potential risks to an acceptable level. The manufacturer of the fibreboard operates under certified Occupational Health and Safety and Environmental Management systems. In use, the product poses no health risks. NOTE: Sawing, cutting, sanding, grinding of wood products may generate sawdust. Wearing appropriate PPE is recommended to reduce risk during these operations. Formaldehyde based resin may contain very low amounts of free formaldehyde which can be hazardous by inhalation. However, the finished product is GreenGuard GOLD certified for very low chemical emissions including formaldehyde emissions.

Ingredient Name	Function and details	GHS, IARC and Endocrine Category	Hazard Assessment (Raw)	Finished Product Assessment	Comment
Plasticised PVC Film	Vinyl layer used as top layer for wear resistance. Individual substances reviewed by Global GreenTag.	Eye Irritation Cat 2A Skin Irritation Cat 2 STOT Cat 3 Not Classified Acute Toxicity Cat 4 Not Classified	   	   	The hazardous monomer used to manufacture the PVC resin may be present in the finished resin at concentrations that are extremely low and therefore not considered to be a risk. The PVC is plasticised using DOTP, a safer alternative to traditional phthalate plasticisers such as DEHP. The mineral stabiliser used in the PVC can be harmful if ingested or inhaled. This is not a risk in the end product as this substance will remain in the polymer matrix. The manufacturer of the PVC film operates under Environmental Management and Occupational Health and Safety Systems and therefore risks are considered low at the manufacturing stage.
Cork	Cork used for decorative veneer layer, backing layer and top cork layer.	Not classified			None

Comments: The finished product is GreenGuard GOLD certified for very low chemical emissions including Volatile Organic Compounds, formaldehyde etc...