



Clever Choice Design Floors

Clever European Oak Collection

Clever European Oak Flooring is an engineered wood flooring that is available in a variety of veneer finishes and is made using Chain of Custody certified wood.

Products/Ranges:	Clever European Oak Collection
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Wooden Flooring
CSI Masterformat:	09 64 00
Licenced Site/s:	Zhejiang, China
Licence Number:	CCD:CD01:2023:PH
Licence Date:	22nd December 2023
Valid To:	22nd December 2024
Standard:	GGT International v4.0
Screening Date:	07th December 2023
PHD URL:	globalgreentag.com/getfile/13245/phd.pdf

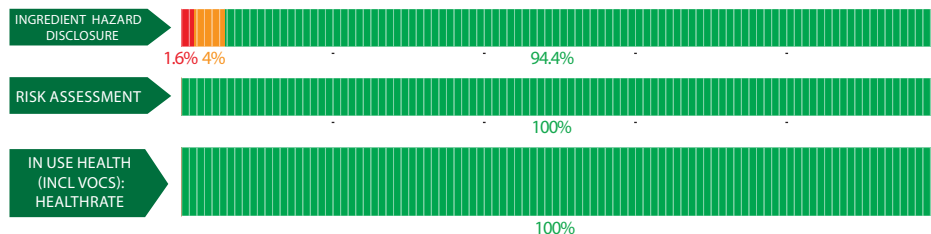


PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- 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; as a Compliant Technical Document (Audited) for ~ Credit 13: Exposure to Toxins, and 'Design & As Built v1.3' and 'Interiors v1.3' ~ Indoor Pollutants.
- 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 1, 2, 3, 4) , and, meets IWBI[®] WELL[®] v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ 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.

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass. See over for explanation.

ASSESSMENT:



Declared by:
Global GreenTag
International Pty Ltd

David Baggs
CEO

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, 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 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[®] v4.0 & v4.1, WELL[®] v1.0 & v2.0, Green Star[®], 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 Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Material: Wood								
Wood	Veneer and Engineered Flooring	85-100%	None	OK				<p>The manufacturer uses Chain of Custody certificate wood covering veneer, plywood and engineered flooring.</p> <p>The wood was not assessed as a powder, but can produce wood powder when cut. This can increase the likelihood of nasal cavity cancer. However when handling as veneer, plywood and engineered flooring these risks are negligible.</p> <p>During the In Use stage there is an unlikely risk of wood dust exposure to the consumer.</p> <p>There are no assessed for Human Health Toxicity concerns in the In Use stage.</p> <p>Recycled Content: None Nano Materials: No</p>
Material: UV Sealer								
4,4'-Isopropylidenedi-phenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	55818-57-0	0.01-1%	H411 (Aquatic Chronic 1) H317 (Skin Sens. 1)	OK				<p>Review of published hazards for this chemical indicate moderate toxicity when in contact with the skin and high toxicity for the aquatic environment as a liquid.</p> <p>However when cured the substance becomes a polymer solid within the UV Sealer The curing process involves heat which will reduce the final percentage of free monomers in the product that could be skin sensitizing.</p> <p>Since heat is used for curing the product, and the risk is identified in the liquid monomer stage there is a highly unlikely risk of Human Health Toxicity concerns assessed for the In Use Stage.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown</p>
(1-methyl-1,2-ethanediyl) bis[oxymethyl-2,1-ethanediyl] diacrylate	42978-66-5	0.01-1%	H335 (STOT SE 3) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H317 (Skin Sens. 1) H411 (Aquatic Chronic 1)	OK				<p>Review of published hazards for this chemical indicate moderate toxicity when in contact with the skin and high toxicity for the aquatic environment as a liquid.</p> <p>However when cured the substance becomes a polymer solid within the UV Sealer The curing process involves heat which will reduce the final percentage of free monomers in the product that could be skin sensitizing.</p> <p>Since heat is used for curing the product, and the risk is identified in the liquid monomer stage there is a highly unlikely risk of Human Health Toxicity concerns assessed for the In Use Stage.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown</p>

2-ethyl-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate; 2,2-bis(acryloyloxymethyl)butyl acrylate; trimethylolpropane triacrylate	15625-89-5	0.01-1%	IARC 2B H351 (Carc. 2) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H317 (Skin Sens. 1) H400 (Aquatic Acute 1) H411 (Aquatic Chronic 1)	OK				<p>Review of published hazards for this chemical indicate moderate toxicity when in contact with the skin and eyes with potential carcinogenic effects and high toxicity for the aquatic environment as a liquid.</p> <p>However when cured the substance becomes a polymer solid within the UV Sealer The curing process involves heat which will reduce the final percentage of free monomers in the product that could be skin sensitizing.</p> <p>Since heat is used for curing the product, and the risk is identified in the liquid monomer stage there is a highly unlikely risk of Human Health Toxicity concerns assessed for the In Use Stage.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown.</p>
hexamethylene diacrylate; hexane-1,6-diol diacrylate	13048-33-4	0.01-1%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H317 (Skin Sens. 1)	OK				<p>Review of published hazards for this chemical indicate moderate toxicity when in contact with the skin and eyes as a liquid.</p> <p>However when cured the substance becomes a polymer solid within the UV Sealer The curing process involves heat which will reduce the final percentage of free monomers in the product that could be skin sensitizing.</p> <p>Since heat is used for curing the product, and the risk is identified in the liquid monomer stage there is a highly unlikely risk of Human Health Toxicity concerns assessed for the In Use Stage.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown"</p>
Oxybis(methyl-2,1-ethanediyl) diacrylate	57472-68-1	0.01-1%	H318 (Eye Dam. 1) H315 (Skin Irrit. 2) H317 (Skin Sens. 1)	OK				<p>Review of published hazards for this chemical indicate moderate toxicity when in contact with the skin and eyes as a liquid.</p> <p>However when cured the substance becomes a polymer solid within the UV Sealer The curing process involves heat which will reduce the final percentage of free monomers in the product that could be skin sensitizing.</p> <p>Since heat is used for curing the product, and the risk is identified in the liquid monomer stage there is a highly unlikely risk of Human Health Toxicity concerns assessed for the In Use Stage.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown"</p>
Hydroxycyclohexyl phenyl ketone	947-19-3	0.01-1%	None	OK				<p>Review of published hazards for this chemical indicate it is currently unclassified as a liquid.</p> <p>There are no expected or known hazards of this chemical when undergoing curing into a solid polymer.</p> <p>Since heat is used for curing the product there is a highly unlikely risk of Human Health Toxicity concerns assessed for the In Use Stage.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown</p>

Ethylbenzene	100-41-4	0.01-1%	IARC 2B H332 (Acute Tox. 4 *) H304 (Asp. Tox. 1) H373 (STOT RE 2 - Hearing organs)	OK				<p>Review of published hazards for this chemical indicate high toxicity as a liquid solvent when inhaled.</p> <p>However when cured the substance will evaporate. The curing process involves heat which will reduce the final percentage of solvent in the product that could be off-gassed.</p> <p>The client has provided a VOC certificate that conforms to the California Department of Public Health (CDPH) Standard Method with TVOC less than/equal 0.5 mg/m3.</p> <p>The Human Health Toxicity In Use Assessment of this chemical after curing is considered low risk with an unlikely potential risk.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown</p>	
Bis(2,4,6-Trimethylbenzyl) phenylphosphine oxide	162881-26-7	0.01-1%	H317 (Skin Sens. 1A) H413 (Aquatic Chronic 4)	OK				<p>Review of published hazards for this chemical indicate moderate toxicity when in contact with the skin and for the aquatic environment as a solid.</p> <p>The chemical will be bound in the final product polymer, and according to international hazard guides (Global Harmonized System of Classification and Labelling) with the amount present in the final product there would be not declarable hazards.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown</p>	
UV Sealer Propriety Ingredients		0.01-1%		OK				<p>The remaining substances in the product have been declared non-hazardous by the supplier.</p> <p>There are no expected or known hazards of these chemical when undergoing curing into a solid polymer declared.</p> <p>Since heat is used for curing the product there is a highly unlikely risk of Human Health Toxicity concerns assessed for the In Use Stage.</p> <p>There are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown</p>	
Material: Urea-Formaldehyde Resin Adhesive									
Urea, polymer with formaldehyde	9011-05-6	1-5%	H315 (Skin Irrit. 2) H319 (Eye Dam. 2A) H335 (STOT SE 3 (Resp.)) H317 (Skin Sens. 1)	OK				<p>Review of published hazards for this chemical indicate moderate toxicity when in contact with the skin and eyes as a liquid.</p> <p>However when cured the substance becomes a polymer solid within the UV Sealer The curing process involves heat which will reduce the final percentage of free monomers in the product that could be skin sensitizing.</p> <p>The curing process with heat which will reduce the final percentage of formaldehyde in the product that could be off-gassed.</p> <p>The client has provided a VOC certificate that conforms to the California Department of Public Health (CDPH) Standard Method with TVOC less than/equal 0.5 mg/m3.</p> <p>T here are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: Unknown</p>	
Water	7732-18-5	1-5%	None	OK				<p>T here are no assessed concerns for this chemical for Human Health Toxicity in the In Use stage.</p> <p>Recycled Content: None Nano Materials: No</p>	

* No GHS H-Statement classification

Comments:

Clever European Oak Flooring Collection (up to 21mm) has been tested to California Department of Public Health (CDPH) Standard Method v1.2 with TVOC less than/equal 0.5 mg/m³ and conforms to the school classroom and private office CDPH v1.2 scenarios.