

PHD™

Product Health Declaration

LAMINEX GROUP

Laminate

Laminate is a thin decorative sheet suitable for a variety of vertical and horizontal applications, when adhered to a suitable supportive substrate. Inherently durable, Laminate consists of layers of cellulose fibres impregnated with thermosetting resins, then consolidated under heat and pressure to produce a non-porous panel.

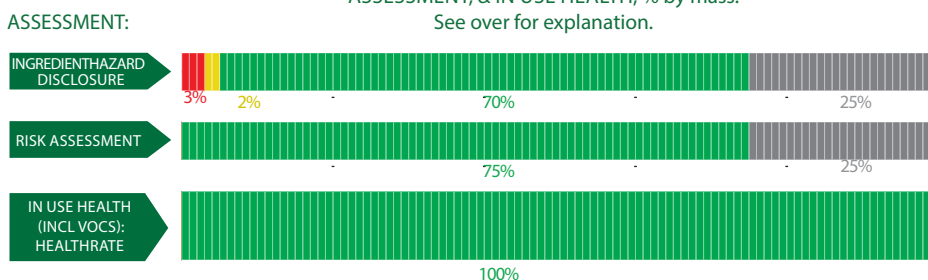
Products/Ranges:	CustomArt, AbsoluteMatte, Chemical Resistant, Natural, Nuance, Chalk, Velour
Product Stages Assessed:	Whole of life + In-Use
Product Type:	Decorative panel
CSI Masterformat:	06 42 00
Licenced Site/s:	Cheltenham
Licence Number:	TLG:EW01:2023:PH
Licence Date:	08 May 2023
Valid To:	08 May 2024
Standard:	GGT International v4.0
Screening Date:	09th March 2023
PHD URL:	https://www.globalgreentag.com/getfile/13030/phd.pdf



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

- Meets "Green Cleaning" requirements for Green Star®.
- 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.
- Meets IWBI® WELL™ v1.0 as Recognized for Feature 26 (Part 1), Feature 04 (Part 5) and, meets IWBI® WELL™ v2.0 as a Compliant Technical Document (Audited) for X06 (Part 1, 2), X07 (Part 1,2,3) and X08 (Part 2)
- 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
- Highly unlikely 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.



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 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 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" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	Problematic (Red): Target for Phase Hazardous ingredient with 'Red Light" or "Red Light Minimised" 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 Petroleum, Parabens plus a wide range of compounds stipulated by cleaning/personal products standards.

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
FILLER								
Cellulose Fibre	Filler	70-85%	H317 (Skin Irrit 1), H413 (Aq Chronic 4), H335 (STOT RE 3)	OK				Inhaled cellulose fiber can cause lung cancer under long term occupational exposure. The manufacture follows occupational health and safety and environmental management systems are in place. Due to this conditions, occupational exposure is very unlikely to occur. In use, the product poses no health risks. Cheltemham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No
Binder								
Formaldehyde	50-00-0	0.5-2%	H330 (Fatal if inhaled) H311 (Skin contact) H314 (Eye and skin burn) H317 (Skin reaction) H350 (May cause cancer) IARC Group 1	OK				The substance may cause damage when in contact with eye/skin. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Recycled Content: Unknown Nanomaterials: No
Pentaerythritol	115-77-5	0.5-2%	H319 (Eye irritation) H315 (Skin irritation) H335 (Respiratory irritation)	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No
Catalyst								
Diethanolamine	111-42-2	0-0.1%	H315 (Skin irritation) H318 (Eye damage) H373 (Organ damage) H361 (Fertility damage)	OK				The substance may cause damage when in contact with eye/skin. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Recycled Content: Unknown Nanomaterials: No
Acetic acid glacial	64-19-7	0-0.1%	H314 (Eye and skin burn) H318 (Eye damage) H332 (Harmful if inhaled) H312 (Skin contact)	OK				The substance may cause damage when in contact with eye/skin. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Recycled Content: Unknown Nanomaterials: No
Proprietary	Catalyst	0-0.5%	NONE	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No
Water	Diluent	0.5-1%	NONE	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No

Butanediol diglycidyl ether	Plasticiser	0.01-0.15%	H312 (Skin contact) H332 (Harmful if inhaled) H315 (Skin irritation) H317 (Skin reaction) H319 (Eye irritation)	OK				The substance may cause damage when in contact with skin/eye. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltenham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Recycled Content: Unknown Nanomaterials: No
Wetting agent								
2methoxymethylethoxy propanol	34590-94-8	0-0.01	H227 (Combustible liquid)	OK				Cheltenham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No
Ethoxylated C8-6 Alcohol	71243-46-4	0.005-0.02	H302 (Harmful if inhaled) H318 (Eye damage) H400 (Toxic to aquatic life)	OK				The substance may cause damage when in contact with eye and inhaled. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltenham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Recycled Content: Unknown Nanomaterials: No
Proprietary	Wetting agent	0.025-0.04%	H318 (Eye damage) H302 (Harmful if inhaled) H227 (Combustible liquid) H315 (Skin irritation)	OK				Cheltenham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No
Binder								
Methyl Formaldehyde resin	9003-08-1	2-5%	NONE	OK				Cheltenham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No
Plasticiser								
Diethylene glycol	111-46-6	0.05-1%	NONE	OK				The substance may cause damage when in contact with skin or inhaled. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltenham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Recycled Content: Unknown Nanomaterials: No
Phenol Formaldehyde Resin (Postforming PF)	Binder	20-30%	NONE	OK				Cheltenham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No
Electro Beam Cured Resin (EBC)	Resin	0-20%	NONE	OK				Cheltenham Factory is ISO 9001,14001 and 45001 certified. Recycled Content: Unknown Nanomaterials: No

Comments:

VOC emissions: Global GreenTag International Program Standard v4.0 Formaldehyde Content Supplementary Standard in accordance with requirements of the Green Building Council of Australia and LEEDv4, as updated from time to time.

VOC content: The total VOC test conducted on 19/05/2020 by CETEC is in complaint to ASTM D5116 -2017 resulted in a mean less than 0.019 mg/m2/hr were the rate limit in complaint to Green Building Council of Australia/Green Star Design & As built v1.3 & Green Star Interiors v1.3 is less than or equal to 0.500mg/m2/hr.

Other relevant information as necessary mentioned.