GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™

Product Health Declaration

GLOBAL GREENTAG HEALTH RATE

Platinum HEALTH

trust brands™

Asthma & Allergy Sensitive™

The Laminex Group

Composite Solid Surfaces

Composite Solid Surfaces is a thick decorative panel suitable for a variety of vertical and horizontal applications. Inherently strong and durable, Composite Solid Surfaces consist of layers of cellulose fibres impregnated with thermosetting resins, then consolidated under heat and pressure to produce a non-porous panel

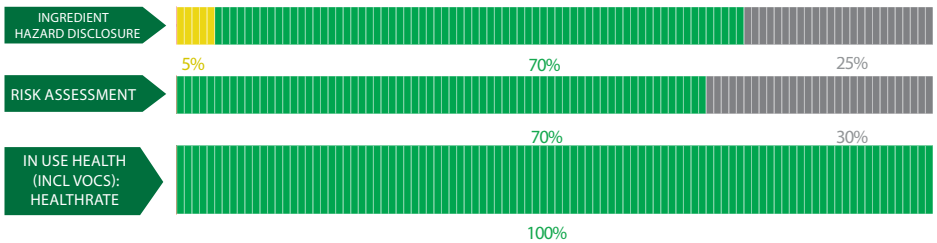
Products/Ranges:	Fusion
Product Stages Assessed:	Whole of life + In-Use
Product Type:	Decorative panel
CSI Masterformat:	09 54 00
Licenced Site/s:	Cheltenham
Licence Number:	TLG:EW03:2023:PH
Licence Date:	08 May 2023
Valid To:	08 May 2025
Standard:	GGT International v4.0
Screening Date:	09th March 2023
PHD URL:	https://www.globalgreentag.com/certificate/1807/

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

- GreenTag Banned List Compliant.
- GreenTag PHD recognised 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 97 (Part 1), Feature 04 (Part 5) and, meets IWBI ® WELL™ v2.0 as a Compliant Technical Document (Audited) for X06 (Part 2) , X07 (Part 1,3) and 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:

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) 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, or 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

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
Filler								
Cellulose Fibre	Filler	60-70%	H317 (Skin Irrit 1), H413 (Aq Chronic 4), H335 (STOT RE 3)	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Binder								
Formaldehyde	50-00-0	0.5-2%	H330 (Fatal if inhaled) H311 (toxic to Skin) H314 (Skin & Eye burn) H317 (Skin reaction) H350 (may cause cancer) IARC Group1	OK				The substance may cause skin/eye damage if it comes in contact. The concentration of the substance is very low in the final product and is unlikely to cause any hazard to end-user. Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Pentaerythritol	115-77-5	0.5-2%	H319 (Eye irritation) H315 (Skin irritation) H335 (Respiratory irritation)	OK				The substance may cause skin/eye damage if it comes in contact. Also, if inhaled could irritate respiration. The concentration of the substance is very low in the final product and is unlikely to cause any hazard to end-user. Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Proprietary	Binder	5-10%	H350 (May cause cancer)	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Diethanolamine	111-42-2	0-0.01	H315 (Skin contact) H318 (Eye contact) H373 (Organ damage) H361 (Fertility damage) H412 (Harmful to Aquatic life)	OK				The substance may cause skin/eye damage if it comes in contact. The concentration of the substance is very low in the final product and is unlikely to cause any hazard to end-user. Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Acetic acid glacial	64-19-7	0-0.1	H314 (Skin & Eye contact) H318 (Eye damage) H332 (Harmful if Inhaled) H312 (Skin contact)	OK				The substance may cause skin/eye damage if it comes in contact. The concentration of the substance is very low in the final product and is unlikely to cause any hazard to end-user. Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Proprietary	Catalyst	0-0.5	N/A	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Plasticiser								
Butanedoil-diglycidyl ether	2425-79-8	0.05-0.2%	H312 (Skin contact) H332 (Harmful if inhaled) H315 (Skin contact) H317 (Skin reaction) H319 (Eye irritation)	OK				The substance may cause skin/eye damage if it comes in contact. The concentration of the substance is very low in the final product and is unlikely to cause any hazard to end-user. Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Wetting agent								

2 methoxymethylethoxy propanol	34590-94-8	0-0.01%	H227 (Combustible liquid)	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Ethoxylated C8-16 alcohol	71243-46-4	0-0.02%	H302 (Harmful if swallowed) H318 (Eye contact) H400 (Toxic to aquatic life)	OK				The substance may cause eye damage if it comes in contact. Also, it could be toxic to aquartic life.The concentration of the sub-stance is very low in the final product and is unlikely to cause any hazard to end-user. Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers and aquatic life. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Water	Diluent	0.01-0.2%	NONE	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user.Their is no identifiable risk to end user.Recycled Content: Unknown Nanomaterials: no
Proprietary	Antibacterial	0-0.05%	H411 (Toxic to aquatic life)	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user.Their is no identifiable risk to end user.Recycled Content: Unknown Nanomaterials: no
Phenol Formaldehyde Resin (Vertical Grade)	Binder	0-30%	NONE	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user.Their is no identifiable risk to end user.Recycled Content: Unknown Nanomaterials: no
Electron Beam Cured Resin	Binder	0-20%	NONE	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: no
Melamine Formaldehyde Resin	9003-08-1	2-5%	NONE	OK				Cheltenham Facotry is certified for ISO 9001,14001 and 45001 which reduced the hazardous impacts to the factory workers. Their is no identifiable risk to end user. 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 14/04/2021 by CETEC is in complaint to ASTM D5116 -2017 resulted in a mean less than 0.003 mg/m2/hr were the rate limit in compliant to Green Building Council of Australia/Green Star Design & As built v1.3 & Green Star Interiors v1.3 is 0.5mg/m2/hr.

Other relevant information as necessary mentioned.