



## 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:

- 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 v1.0/1.1, 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	<b>Ideal- Low</b> No concerns- ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context'
Yellow	<b>Medium to Low</b> Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context'
Orange	<b>Moderate</b> Hazardous ingredient with "Issue of Concern" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	<b>Problematic (Red): Target for Phase</b> Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	<b>Very Problematic (Dark Red): Target for Phase</b> Very Hazardous ingredient with 'Red Light Exclusion" concern depending on % of the ingredient, hazard level, and relevance to use context'
Grey	<b>Uncategorised</b> Not able to be categorised due to lack of toxicity impact information.
Black	<b>Banned Ingredients</b> 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
Declaration	Olefin film	1.0-10%	None	OK				Recycled Content: None Nanomaterials: No
E0 MR MDF								
Wood particles	Substrate	>60%	None	OK				Recycled Content: None Nanomaterials: No
Urea	25036-13-9	10-30%	H226(Flam. Liq. 3) H319(Eye Irrit. 2) H412(Aquatic Chronic 3)	OK				This substance causes serious eye irritation, is a flammable liquid and vapour and is harmful to aquatic life with long lasting effects. However, the manufacturer has Environmental policy and Work Health Safety (WHS) policy in place. Therefore, its not exposed to the end user.
Paraffin wax	8002-74-2	<2%	None	OK				Recycled Content: None Nanomaterials: No
Formaldehyde	50-00-0	<0.1%	H301(Acute Tox. 3) H311(Acute Tox. 3) H314(Skin Corr. 1B) H317(Skin Sens. 1) H331(Acute Tox. 3) H350(Carc. 1B) H341(Muta. 2)	OK				This substance is toxic if swallowed, is toxic in contact with skin, causes severe skin burns and eye damage, is toxic if inhaled, may cause cancer, is suspected of causing genetic defects and may cause an allergic skin reaction. However, formaldehyde is embedded into the final product and became inert. Additionally, the test result shows the formaldehyde emission rate is 0.023mg/m2/hr (significantly under the benchmark limit of 0.1mg/m2/hr). Therefore, its not exposed to the end users.
Isocyanate prepolymer	Adhesive	0.1-1%	H319(Eye Irrit. 2) H334(Resp. Sens. 1) H315(Skin Irrit. 2) H317(Skin Sens. 1)	OK				This substance causes eye irritation, is harmful if inhaled, causes skin irritation, may cause an allergic skin reaction. However, the concentration of the substance is very low and it is unlikely that user is exposed to this substance. The product reacts to form an inert polymer that no longer possesses the risks of the prepolymers. The adhesive is applied inside and covered by the outer sheet, the manufacturer has Environmental policy and Work Health Safety (WHS) policy in place. Therefore, its not exposed to the end user.
Methylene bisphenyl diisocyanate (MDI)	101-68-8	0-0.01%	H319(Eye Irrit. 2) H334(Resp. Sens. 1) H315(Skin Irrit. 2) H317(Skin Sens. 1) H351(Carc. 2) H332(Acute Tox. 4) H373(STOT RE 2) H335(STOT SE 3)	OK				This substance causes serious eye irritation, is harmful if inhaled, is suspected of causing cancer, may cause damage to organs through prolonged or repeated exposure, causes skin irritation, may cause an allergic skin reaction, may cause allergy or asthma symptoms or breathing difficulties if inhaled and may cause respiratory irritation. However, the concentration of the substance is very low and it is unlikely that user is exposed to this substance. The products reacts to form an inert polymer that no longer possesses the risks of the prepolymers. The adhesive is applied inside and covered by the outer sheet, the manufacturer has Environmental policy and Work Health Safety (WHS) policy in place. Therefore, its not exposed to the end user.
Declaration	Adhesive	0.1-1%	None	OK				Recycled Content: None Nanomaterials: No

Comments:

VOC emissions: TVOC emission rate is 0.053mg/m2/hr (within the benchmark limit less than 0.5mg/m2/hr) use test method ASTM D5116-17 "Standard Guide for Small-Scale" Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products". Tested by FORAY Laboratories (NATA Accreditation 1231) in November 2021.

Formaldehyde emissions: formaldehyde emission rate is 0.040mg/m2/hr (within the benchmark limit less than 0.1mg/m2/hr) use test method ASTM D5116-17. Tested by FORAY Laboratories (NATA Accreditation 1231) in November 2021. The formaldehyde concentration comply with E0 rating.