



## 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 GGT International Standard v4.0, Personal Products Standard v1.0, and Cleaning Products Standard v1.1 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
Polyester Fiber								
Polyethylene terephthalate	25038-59-9	90-100%	None	OK				The material is Non-Hazardous 60 % Post Consumer Recycle Content The manufacturer is ISO9001, ISO14001, and ISO45001 certified Recycled Content: Post-Consumer Nanomaterials: Unknown
Water	7732-18-5	1-5%	None	OK				Water is Non-Hazardous Recycled Content: None Nanomaterials: Unknown
Phosphoric acid, dodecyl ester, potassium salt	39322-78-6	0.1-1%	H315 H318	OK				Exposure to this substance as a raw ingredient can cause skin irritation and eye damage. The factory's OH&S conditions and GGTI safety review indicate that exposure is unlikely. Once combined, this substance is bound inside the composite material. Furthermore, the concentration of this substance is very low. Therefore end-user are not at risk of exposure. The manufacturer is ISO9001, ISO14001, and ISO45001 certified. Recycled Content: None Nanomaterials: Unknown
2,2'-ethylenedioxydiethyl dimethacrylate	109-16-0	0.1-1%	H317	OK				Exposure to this substance as a raw ingredient may cause skin allergy. The factory's OH&S conditions and GGTI safety review indicate that exposure is unlikely. Once combined, this substance is bound inside the composite material. Furthermore, the concentration of this substance is very low. Therefore end-user are not at risk of exposure. The manufacturer is ISO9001, ISO14001, and ISO45001 certified. Recycled Content: None Nanomaterials: Unknown
Carbon black	1333-86-4	0.1-1%	IARC2B, H351	OK				long-term exposure to very high doses of pure carbon black may increase a person's risk of cancer. The factory's OH&S conditions and GGTI safety review indicate that exposure is unlikely. Once combined, this substance is bound inside the composite material. Furthermore, the concentration of this substance is very low. Therefore end-user are not at risk of exposure. The manufacturer is ISO9001, ISO14001, and ISO45001 certified. Recycled Content: None Nanomaterials: Unknown

H315 : Causes skin irritation  
H317 : May cause an allergic skin reaction  
H318 : Causes serious eye damage  
H351 : Suspected of causing cancer  
IARC2B : Possibly Carcinogenic to human

Comments:

Emission tests are conducted according to ASTM D5116-10. TVOC and Formaldehyde emission test results pass Greentag Standard v4.0.

TVOC and formaldehyde emission test result:

TVOC : <0.1 mg/m2/hr  
Formaldehyde : 0.01 mg/m2/hr