



PHD™

Product Health Declaration

CAPIWORLD COMPANY LIMITED

ECO-Aerogels Polycycle Products

ECO-AEROGELS POLCYCLE INSULATION, ECO-AEROGELS POLCYCLE THERMOGUARD
 ECO-AEROGELS POLYSORPBENT, ECO-AEROGELS POLYFILTER, ECO-AEROGELS POLCYCLE
 ACOUSORB & ECO-AEROGELS PURESPACE ACOUSTIC.

Products/Ranges:

Multiple products

Product Stages Assessed:

Manufacturing + In-Use

Product Type:

Aerogels

CSI Masterformat:

N/A

Licenced Site/s:

Hochiminh City, Vietnam

Licence Number:

CAP:PO01:2023:PH

Licence Date:

17 November 2023

Valid To:

17 November 2026

Standard:

GGT International v4.0

Screening Date:

08 November 2023

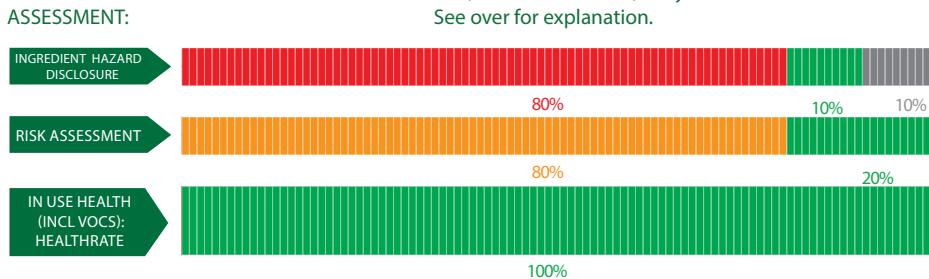
PHD URL:

<https://www.globalgreentag.com/certificate/2482/>

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 IWBI® WELL® v1.0 as Recognized for Feature 26 (Part 1); Feature 97 (Part 1); and, meets IWBI® WELL® v2.0 as Recognized for X07 (Parts 1); X08 (Part 2); as a Compliant Technical Document (Audited) for X01 (Part 2); X05 (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.



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

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
Polyester Staple Fiber								
Proprietary	Staple Fiber	70-85%	H413 & H319	OK	 	 	 	The ingredient may cause irritation to eyes when in contact in manufacturing stage. Also, the ingredient can be hazardous to aquatic organism, if it is discharged to water ways. Capi world manufacturing factory is 9001 and 14001 certified, which mitigate the hazards associated with the ingredient. Hence, there is no identifiable risk to end user. Recycled Content: Post-C Nano Materials: Unknown
Remaining Proprietary	Staple Fiber	0-10%	None	OK	 	 	 	There is no identifiable risk to the enduser. Recycled Content: None Nano Materials: No
LOW MELT FIBER								
Inorganic compound	Pigment Catalyst	30-50%	H413, H319	OK	 	 	 	The ingredient may cause irritation to eyes when in contact in manufacturing stage. Also, the ingredient can be hazardous to aquatic organism, if it is discharged to water ways. Capi world manufacturing factory is 9001 and 14001 certified, which mitigate the hazards associated with the ingredient. Hence, there is no identifiable risk to end user. Recycled Content: Post-C Nano Materials: Unknown
Proprietary	Flame retardant (Synergists)	0.01-1%	H302, H332, H411, H315, H319, H335, H290, H314, H318	OK	 	 	 	There is no identifiable risk to the enduser. Recycled Content: None Nano Materials: No
Proprietary	Additive/Processing aid	0.01-1%	H304	OK	 	 	 	There is no identifiable risk to the enduser. Recycled Content: None Nano Materials: No
FLAME RETARDANT								
Proprietary Polymer	Flame Retardant	1-5%	None	OK	 	 	 	There is no identifiable risk to the enduser. Recycled Content: None Nano Materials: No
Water	7732-18-5	5-15%	None	OK	 	 	 	There is no identifiable risk to the enduser. Recycled Content: None Nano Materials: No
WATER REPELLENT								
Water	7732-18-5	1-5%	None	OK	 	 	 	There is no identifiable risk to the enduser from this ingredient. Recycled Content: None Nano Materials: No
Proprietary	Absorbent	1-5%	H315	OK	 	 	 	The ingredient may cause irritation to skin when in contact. Also proper PPE usage of the factory workers ensure safe handling of the chemical. There is no identifiable risk to the enduser. Recycled Content: None Nano Materials: No

Remaining ingredient	Water Repellent	0-1%	None	OK				There is no identifiable risk to the enduser from this ingredient. Recycled Content: None Nano Materials: No
ANTI BACTERIAL AGENT								
Crystalline Solid	Solvent	0.01-1%	H400, H410, H290	OK				The ingredient can cause environmental hazards to aquatic life, if left untreated while handling the chemical. However, Capi world is ISO14001 certified which ensures proper EMS/EMP onsite to reduce environmental hazards. There is no identifiable risk to the enduser from this ingredient. Recycled Content: None Nano Materials: No
Synthetic rubber	Adhesive	0.01-1%	None	OK				There is no identifiable risk to the enduser from this ingredient. Recycled Content: None Nano Materials: No
Water	7732-18-5	5-15%	None	OK				There is no identifiable risk to the enduser from this ingredient. Recycled Content: None Nano Materials: No
Remaining Ingredient	Anti Bacterial Agent	0-1%	None	OK				There is no identifiable risk to the enduser from this ingredient. Recycled Content: None Nano Materials: No

GHS H-Statement classification:

H302 (Harmful if swallowed)
 H312 (Harmful in contact with skin)
 H314 (Cause skin/eye damage)
 H315 (Causes skin irritation)
 H317 (Allergic reaction)
 H318 (may cause eye damage)
 H319 (Causes serious eye irritation)
 H330 (Fatal if inhaled)
 H332 (Harmful if inhaled)
 H335 (May cause respiratory irritation)
 H350 (May cause cancer)
 H351 (Inhalation)
 H372 (may cause organ damage)
 H400 (Aquatic toxicity)
 H412/H413 (Harmful to aquatic life with long lasting effects)

Comments:

Other relevant information as necessary.