

PHD™

Product Health Declaration



Bird Habitats

Thermal Haven Nest Boxes®

Thermal Haven Nest Boxes are designed to restore habitats for hollow-dependent fauna. The design addresses temperature variations within the inner nesting space. Air is used as a thermal buffer to create a stable microclimate and limit extreme temperature variations. Each nest box has a tracking number CNC engraved to the base for easy monitoring.

Products/Ranges:	Thermal Haven Nest boxes
Product Stages Assessed:	Whole of life + In-Use
Product Type:	Habitat restoration
CSI Masterformat:	N/A
Licensed Site/s:	Drouin, Australia
Licence Number:	BIH:TH01:2022:PH
Licence Date:	14th November 2022
Valid To:	14th November 2024
Standard:	GGT International v4.0
Screening Date:	31st October 2022
PHD URL:	globalgreentag.com/certificate/2233

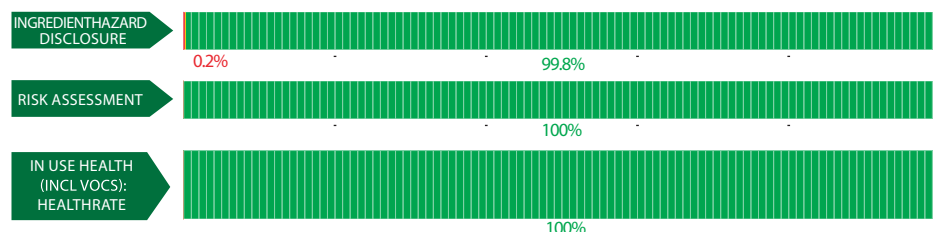


PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED™ Material Transparency & Optimization credits included below:
- Meets Green Star™ 'Buildings v1.0' as Recognized for~ Credit 13: Exposure to Toxins.
- Meets IWBI™ WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 11 (Part 1); Feature 25 (Part 5), and, meets IWBI™ WELL™ v2.0 as Recognized for ~ X07 (Parts 1,3); X08 (Part 2); X11 (Part 2); as a Compliant Technical Document (Audited) for ~ 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.
- Safe for bird and mammal use.

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 & 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 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:

- 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) 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 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
Material: Reformed Wood Panel (RWP) - (Weathertex Natural and Primed Panel Base)								
Hardwood timber (Eucalyptus)	Substrate	90-100%	None	OK				Inhaled wood fiber can cause lung cancer under long term occupational exposure. The manufacture uses a wet processing method in a facility where occupational health and safety and environmental management systems are in place. Due to these conditions, occupational exposure is very unlikely to occur. In use, the product poses no health risks. Note: Sawing, cutting, sanding, grinding of wood products may generate sawdust. Wearing appropriate personal protective equipment is recommended to reduce risk during these operations. Recycled Content: from Post-I Nanomaterials: No
Paraffin Wax	8002-74-2	1-5%	None	OK				Workplace health and safety procedures are in place during the manufacturing phase of the RWP boards. Paraffin wax is present in small quantities and is embedded and cured in the final product, further reducing the risk. There are no identifiable risks to the in use phase. Recycled Content: Post-I Nanomaterials: No
Material: RWP Undercoat - (Weathertex Primed Panel only)								
Water	Diluent	0.01-1%	None	OK				There are no identifiable hazards associated this substance. Recycled Content: from Post-I Nanomaterials: Unknown
Talc	14807-96-6	0.01-1%	None	OK				Workplace health and safety procedures are in place during the manufacturing phase of the RWP boards where this substance is cured in the final product. While intact the product poses not risk to users. During use, the primer side faces the internal wall cavity so it is unlikely to pose a risk to bird or mammal users. Recycled Content: Post-I Nanomaterials: Unknown
Titanium Dioxide	13463-67-7	0.01-1%	IARC Group 2B H351 (Carc 2) (Inhalation)	OK				Workplace health and safety procedures are in place during the manufacturing phase of the RWP boards where this substance is cured in the final product. While intact the product poses not risk to users. During use, the primer side faces the internal wall cavity so it is unlikely to pose a risk to bird or mammal users. Recycled Content: Post-I Nanomaterials: Unknown
Proprietary	Additive	0.01-1%	None declared	OK				Workplace health and safety procedures are in place during the manufacturing phase of the RWP boards where this substance is cured in the final product. While intact the product poses not risk to users. During use, the primer side faces the internal wall cavity so it is unlikely to pose a risk to bird or mammal users. Recycled Content: Post-I Nanomaterials: Unknown
Material: RWP Primer - (Weathertex Primed Panel)								
Water	Diluent	0.01-1%	None	OK				There are no identifiable hazards associated this substance. Recycled Content: from Post-I Nanomaterials: Unknown
2-butoxyethanol	111-76-2	0-0.05%	IARC Group 3 H302 (Acute Tox 4) H315 (Skin Irrit 2) H319 (Eye Irrit 2)	OK				Workplace health and safety procedures are in place during the manufacturing phase of the RWP boards. This substance evaporates during the curing processes within the factory and is unlikely to be present in the final product. During use, the primer side faces the internal wall cavity so it is unlikely to pose a risk to bird or mammal users. Recycled Content: Post-I Nanomaterials: Unknown

1-(2-butoxy-1-methylthoxy)propan-2-ol	29911-28-2	0-0.05%	None	OK				Workplace health and safety procedures are in place during the manufacturing phase of the RWP boards where this substance is cured in the final product. While intact the product poses not risk to users. During use, the primer side faces the internal wall cavity so it is unlikely to pose a risk to bird or mammal users. Recycled Content: Post-I Nanomaterials: Unknown
Material: Wood Reinforcement - Corners								
Victorian ASH Hardwood	Structural	0.05-1%	None	OK				The only hazards associated with this substance are associated with inhaling wood dust through sawing, cutting, sanding, grinding of this product. Wearing appropriate personal protective equipment is recommended to reduce risk during these operations. While whole, this product is not hazardous to human or bird users. Recycled Content: No Nanomaterials: No
Material: Wood Reinforcement - Guard								
Victorian ASH Hardwood	Structural	0.05-1%	None	OK				The only hazards associated with this substance are associated with inhaling wood dust through sawing, cutting, sanding, grinding of this product. Wearing appropriate personal protective equipment is recommended to reduce risk during these operations. While whole, this product is not hazardous to human or bird users. Recycled Content: No Nanomaterials: No
Material: Screws								
Stainless Steel	12597-68-1	0.05-1%	None	OK				There are no identifiable hazards associated this substance. Recycled Content: Non Nanomaterials: Unknown
Material: Sealant								
Beeswax	8012-89-3	0-0.05%	None	OK				There are no identifiable hazards associated this substance. Recycled Content: No Nanomaterials: Unknown

* No GHS H-Statement classification

Comments:

VOC testing for whole product is not available.

Weathertex RWP has a TVOC emissions rate of <0.5mg/m²/hr when tested using ASTM D5116 in 2015. This is within the 0.5mg/m²/hr requirement.