

# PHD™

## Product Health Declaration

### Harrows Contract Furniture Ltd

Steel Frame Upholstered Seating, Fully Upholstered Seating and HPL Products With Steel Frame

The Steel Frame Upholstered Seating (Method, Lure, Plane, Impart), Fully Upholstered Seating (Pause, Unite, Saddle, Maxis, Banquette Seating) and HPL Products with Steel Frame (Poise, Diamond, Stem HPL) are seating and table ranges designed and manufactured in New Zealand.

**Products/Ranges:**

**Product Stages Assessed:**

**Product Type:**

**CSI Masterformat:**

**Licenced Site/s:**

**Licence Number:**

**Licence Date:**

**Valid To:**

**Standard:**

**Screening Date:**

**PHD URL:**

Steel Frame Upholstered Seating, Fully Upholstered Seating and HPL Products With Steel Frame

**Manufacturing + In-Use**

**Furniture**

**12 50 00**

**Timaru, New Zealand**

**HCF:HC02:2023:PH**

**28th April 2023**

**28th April 2024**

**GGT International v4.0**

**28th June 2022**

1. <https://www.globalgreentag.com/getfile/13219/phd.pdf>

2. <https://www.globalgreentag.com/getfile/13215/phd.pdf>

3. <https://www.globalgreentag.com/getfile/13216/phd.pdf>



### PHD Summary

Percentage Assessed:

**100%**

### Inventory Threshold:

100ppm Product Level

### Inventory Method:

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); as a Compliant Technical Document (Audited) for ~ Feature 4 (Part 5); Feature 11 (Part 1); Feature 25 (Part 1, 5) and, meets IWBI® WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X05 (Part 1); X06 (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.
  - Highly unlikely worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

**ASSESSMENT:**

INGREDIENT HAZARD DISCLOSURE



RISK ASSESSMENT



IN USE HEALTH (INCL VOCS): HEALTHRATE



INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass. See over for explanation.

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 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 a 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 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	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: MDF								
Wood Fibres (Fully Upholstered Seating & Steel Frame Upholstered Seating)	Wood	50-75%	None	OK				The wood used in this product is FSC certified. Recycled Content: None Nanomaterials: Unknown
Urea Formaldehyde resin (Fully Upholstered Seating & Steel Frame Upholstered Seating)	9011-05-6	10 - 20%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H335 (STOT SE 3)	OK				This substance causes serious eye irritation, causes skin irritation, may cause respiratory irritation and may cause an allergic skin reaction. However, this substance is bound inside the MDF during manufacturing stage, it is unlikely that the worker is exposed to the hazard. The manufacturer has OHS in place. Recycled Content: None Nanomaterials: Unknown
Melamine Urea Formaldehyde resin (Fully Upholstered Seating & Steel Frame Upholstered Seating)	25036-13-9	10 - 20%	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, this substance is bound inside the MDF during manufacturing stage, it is unlikely that the worker is exposed to the hazard. The manufacturer has OHS in place. Recycled Content: None Nanomaterials: Unknown
Paraffin wax	8002-74-2	0.5 - 1%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance. Recycled Content: None Nanomaterials: Unknown
Material: Foam/Padding								
Polyurethane Foam (Fully Upholstered Seating & Steel Frame Upholstered Seating)	Polyurethane	15-25%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance. Recycled Content: None Nanomaterials: Unknown
Polyethylene Terephthalate (Steel Frame Upholstered Seating)	29438-04-3	0.5-2%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance. Recycled Content: None Nanomaterials: Unknown
Polyethylene Foam (Steel Frame Upholstered Seating)	9009-54-5	10 - 25%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance. Recycled Content: None Nanomaterials: Unknown
Cushion Fill (Steel Frame Upholstered Seating)	9009-54-5	1 - 5%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance. Recycled Content: None Nanomaterials: Unknown

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: Steel								
Fabricated Steel Frame (Steel Frame Upholstered Seating & HPL Products with Steel Frame)	Fabricated Steel Frame	30 - 60%	None	OK				The powder coating was not assessed under the toxicity risk assessment as the final weight percentage was declared to be below 0.01% of the product's functional unit.  Recycled Content: None Nanomaterials: Unknown
Fabricated Steel Legs (Steel Frame Upholstered Seating)	25036-13-9	1 - 5%	None	OK				The powder coating was not assessed under toxicity risk as the final weight percentage was declared to be below 0.01% of the product's functional unit.  Recycled Content: None Nanomaterials: Unknown
Material: Plywood								
Wood (HPL Products with Steel Frame)	Wood	60 - 75%	None	OK				The wood used in this product is FSC certified.  Recycled Content: None Nanomaterials: Unknown
Phenol Formaldehyde (HPL Products with Steel Frame)	9003-35-4	5-10%	H317 (Skin Sens. 1), H319 (Eye Irrit. 2)	OK				This substance causes serious eye irritation and may cause an allergic skin reaction. However, this substance is bound inside the plywood during manufacturing stage, it is unlikely that the worker is exposed to the hazard.  Recycled Content: None Nanomaterials: Unknown
Composite Materials (HPL Products with Steel Frame)	Overlay	3 - 7%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance.  Recycled Content: None Nanomaterials: Unknown
100% pure birch (Betula Pendula) veneer (Fully Upholstered Seating)	Wood	10 - 20%	None	OK				The wood used in this product is FSC certified.  Recycled Content: None Nanomaterials: Unknown
Phenol Formaldehyde (Fully Upholstered Seating)	9003-35-4	1-5%	H317 (Skin Sens. 1), H319 (Eye Irrit. 2)	OK				This substance causes serious eye irritation and may cause an allergic skin reaction. However, this substance is bound inside the plywood during manufacturing stage, it is unlikely that the worker is exposed to the hazard.  Recycled Content: None Nanomaterials: Unknown
Natural Chalk (Fully Upholstered Seating)	Reduces water penetration into wood pores	0.1 - 1%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance.  Recycled Content: None Nanomaterials: Unknown
Flour (Fully Upholstered Seating)	Adds viscosity to the glue and eliminates internal glue bond	0.1 - 1%	None	OK				The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance.  Recycled Content: None Nanomaterials: Unknown

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: Plywood								
Solid Timber Shell (Steel Frame Upholstered Seating)	Plywood	15 - 30%	None	OK				The wood used in this product is FSC certified. Recycled Content: None Nanomaterials: Unknown
Material: Wood								
American Ash (Steel Frame Upholstered Seating)	Wood	5 - 10%	None	OK				The wood used in this product is FSC certified. Recycled Content: None Nanomaterials: Unknown
Pine Rails (Fully Upholstered Seating)	Wood	15 - 25%	None	OK				The wood used in this product is FSC certified. Recycled Content: None Nanomaterials: Unknown

VOC Emissions: 4 Sample test report of various components in each Sample issued by K2 Environmental Ltd with testing in accordance with ISO 16000-9:2006 was provided. Addendum provided with Sample 1, Sample 3 and Sample 4 containing material components listed above in PHD declaration, exact percentage not included on Addendum, for HPL Products with Steel Frames (Poise, Diamond, Stem HPL), Fully Upholstered Seating (Unite, Pause, Saddle, Maxis and Banquette Seating) and Upholstered Seating With Steel Frames (Method, Lure, Plane and Impart). Samples 1, 3 and 4 in the Addendum meet the standard for Total VOC Greenguard Gold Open Plan and Private Office.