



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, Array, Verde, Adroit, Revive, Noa Lounge Chair, Post Banquette and Curio Lounge), 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 2026

GGT International v4.0

28th June 2022

1. <https://www.globalgreentag.com/certificate/2688/>

2. <https://www.globalgreentag.com/certificate/1919/>

3. <https://www.globalgreentag.com/certificate/2687/>



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 04 (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.
- Independent third party assessment for worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

ASSESSMENT:

INGREDIENTHAZARD 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 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 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | The toxicity risk assessment has determined a Low Risk with no Hazard Statements for this substance. Recycled Content: None Nanomaterials: Unknown |
| Natural wool – 200gsm. | Needle punched blanketing | 0.5-2% | None | OK | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | 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 | <div></div> | <div></div> | <div></div> | The wood used in this product is FSC certified. Recycled Content: None Nanomaterials: Unknown |
| Pine Rails (Fully Upholstered Seating) | Wood | 15 - 25% | None | OK | <div></div> | <div></div> | <div></div> | 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.

1. Steel Frame Upholstered Seating, 2. Fully Upholstered Seating, 3. HPL Products with Steel Frame, Harrows Contract Furniture Ltd, 1.<https://www.globalgreentag.com/certificate/2688>, 2. <https://www.globalgreentag.com/certificate/1919/>, 3. <https://www.globalgreentag.com/certificate/2687/>