# PHD™
## Product Health Declaration

**Global GreenTag CertTM Certified**

**PLATINUM HEALTH**

**HealthRate™**

## OLIVERI SOLUTIONS
## Essente 316

Plumbing fittings used to deliver and regulate the flow of cold and or hot water to a kitchen or bathroom. Products may be used to control water delivery to sinks, basins and showers. Specific water flow rates can be maintained and pull-out spout options are available for kitchen tapware.

| | |
|---|---|
| Products/Ranges: | Essente 316 Range |
| Product Stages Assessed: | Whole of life + Re-Use potential |
| Product Type: | Tapware |
| CSI Masterformat: | 1130 00 Residential Equipment |
| Licenced Site/s: | Guangdong Province, China |
| Licence Number: | OLI:TA02:2024:PH |
| Licence Date: | 1st April 2024 |
| Valid To: | 1st April 2026 |
| Standard: | GGT International v4.0 |
| Screening Date: | 19th March 2024 |
| PHD URL: | https://www.globalgreentag.com/certificate/2577/ |

| 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 8: Responsible Systems.

- 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 4), 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 X01 (Part 3); 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.

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

**ASSESSMENT:**

| | |
|---|---|
| INGREDIENT HAZARD DISCLOSURE | 1% ... 89% ... 10% |
| RISK ASSESSMENT | 100% |
| IN USE HEALTH (INCL VOCS): HEALTHRATE | 100% |
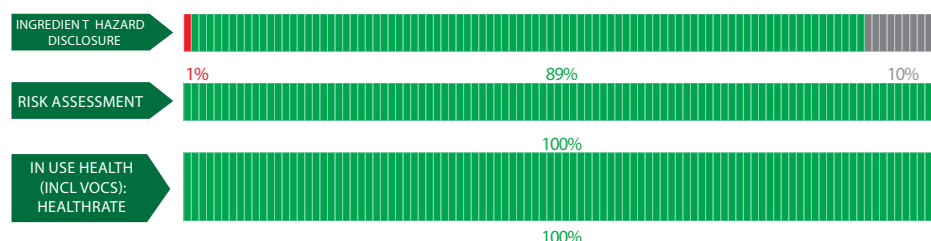
Declared by:
Global GreenTag International Pty Ltd

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**<br>The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects. |
| Yellow | **Level 3**<br>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**<br>The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects. |
| Red | **Level 1**<br>The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects. |
| Black | **Level 0**<br>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**<br>Not able to be categorised due to lack of toxicity impact information. |

| Colour | Risk Assessment & In Use Health Assessment Outcome |
|---|---|
| Green | **No Concerns**<br>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**<br>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**<br>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**<br>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**<br>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**<br>Not able to be categorised due to lack of toxicity impact information. |
| Black | **Banned Ingredients**<br>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 |

| 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 |
|---|---|---|---|---|---|---|---|---|
| Stainless Steel (Mixerbody,handle ,pin) | Main component | 80-90% | None | OK | 🟩 | 🟩 | 🟩 | No identifiable risk to the end user. Recycled Content: None Nanomaterials: No |
| Brass/tails ends | Alloy | 1-5% | None | OK | 🟩 | 🟩 | 🟩 | No identifiable risk to the end user. Recycled Content: None Nanomaterials: No |
| Fixings | Steel | 1-5% | None | OK | 🟩 | 🟩 | 🟩 | No identifiable risk to the end user. Recycled Content: None Nanomaterials: No |
| Chrome plate, PVD, Powder coat/Finishes | Finishes | 0.1-1% | H330 & H332 | OK | 🟥 | 🟩 | 🟩 | The ingredient may cause hazards to respiratory organs of manufacturing factory workers, when exposed to longer period. The product manufacturer has OHS process and procedures in place to mitigate hazards associated with the ingredient during chemical handling and manufacturing stage.<br><br>In final stage, the ingredient is chemically inert in the final product. No identifiable risk to the end user. Recycled Content:  None Nanomaterials: No |
| Nylon/Pull-out hose | Flow control | 1-5% | None | OK | ⬜ | 🟩 | 🟩 | No identifiable risk to the end user. Recycled Content: None Nanomaterials: No |
| Ceramic Cartridge | Flow control | 1-5% | None | OK | ⬜ | 🟩 | 🟩 | No identifiable risk to the end user. Recycled Content: None Nanomaterials: No |

GHS classification below:
H330 (Fatal if inhaled)
H332 (Harmful if inhaled)

Comments:
No other comments.

PHD