



### Biological Preparations

BioHygiene [All Surfaces & Floor, Complete Washroom, Kitchen Cleaner & Degreaser]

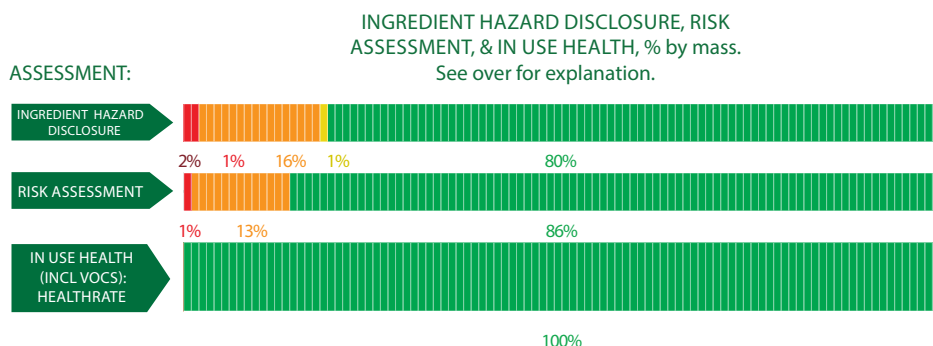
BioHygiene offers a range of cleaning solutions designed to replace traditional, harmful chemicals. Their products utilize natural ingredients like microbes, enzymes, and plant derivatives to provide effective, long-lasting cleaning. The range includes general, washroom and kitchen cleaning products.

Products/Ranges:	Three different products
Product Stages Assessed:	Whole of life +re-use potential
Product Type:	Cleaning Product
Licenced Site/s:	Caerphilly, United Kingdom
Licence Number:	BIO:CA01:2024:PH
Licence Date:	17th September 2024
Valid To:	17th September 2025
Standard:	GGT Cleaning Product standard v1.2
Screening Date:	30th July 2024
PHD URL:	<a href="https://www.globalgreentag.com/certificate/2826/">https://www.globalgreentag.com/certificate/2826/</a>



<b>PHD Summary</b>	<b>Inventory Threshold:</b>	<b>Inventory Method:</b>
Percentage Assessed: <b>100%</b>	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- Meets "Green Cleaning" requirements for Green Star.
- Meets USGBC LEED® v4.0 and v4.1 Rating Tool Credit, MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1: Material Ingredient Reporting, Option 2: International ACP - REACH Optimisation.
- Meets WELL™ v1.0 Features 97: Material Transparency and WELL™ v2.0 Features – X07: Material Transparency and X08: Material Optimisation.
- Highly unlikely worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.



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:

- 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<sup>®</sup> v4.0 & v4.1, WELL<sup>®</sup> v1.0 & v2.0, Green Star<sup>®</sup>, 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	Exposure Category	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Water	7732-18-5	70-85%	None	None				There is no identifiable risk to end user.
Colouring agent								
Proprietary	Colourant	0.01-1%	None	None				There is no identifiable risk to end user.
pH regulator								
Proprietary	pH Regulator	0.01-1%	H315, H319	Skin and Eye exposure				The substance may cause eye irritation when it comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.01%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. The ingredient is produced by fermentation. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage. There is no identifiable risk to the end user.
Thickener								
Proprietary	Thickeners	0.01-1%	None	None				The substance may cause eye, skin irritation when it comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.01%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage. There is no identifiable risk to the end user.
Organic solvent								
Proprietary	Organic solvent	0.01-1%	None	None				There is no identifiable risk to the end user.
Non-ionic surfactant (Plant derived/RSPO MB Certified)								
Proprietary	Non-ionic surfactant	1-5%	H318	Eye Dam. 1				The substance may cause eye irritation when it comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.05%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage. There is no identifiable risk to the end user.
Water	7732-18-5	1-5%	None	None				There is no identifiable risk to the end user.
Fragrance								

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Exposure Category	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Proprietary	Fragrance	0.01-1%	None	None				There is no identifiable risk to the end user.
Eco-solvent/cleaner degreaser								
Proprietary	Solvent	0.01-1%	None	None				There is no identifiable risk to the end user.
Proprietary	Solvent	0.01-1%	None	None				There is no identifiable risk to the end user.
Non-ionic surfactant/ cleaning agent (Plant derived/RSPO MB Certified)								
Proprietary	Surfactant	5-15%	None	None				There is no identifiable risk to the end user.
Proprietary enzyme secreting microbes								
Proprietary	Microbial cleaning	0.01-1%	None	None				There is no identifiable risk to the end user.
Preservative								
Proprietary	Preservative	1-5%	H302, H335, H318	Eye and Inhalation				The substance may cause eye, skin and respiratory irritation when comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.02%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage.  There is no identifiable risk to the end user.
Chelating agent								
Proprietary	Chelating agent	1-5%	None	None				There is no identifiable risk to the end user.
Colouring agent								
Proprietary	Colourant	0.01-1%	None	None				There is no identifiable risk to the end user.
Enzyme								
Water	7732-18-5	0.01-1%	None	None				There is no identifiable risk to the end user.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Exposure Category	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Proprietary	Solvent/Stabilizer	0.01-1%	None	None				There is no identifiable risk to the end user.
Proprietary	Enzyme	0.01-1%	H335, , H315 H318, H334	STOT SE 3 , Skin Irrit, 2Eye Dam, 1Resp. Sens. 1				The substance may cause eye, skin irritation when it comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.01%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage. There is no identifiable risk to the end user.
Proprietary	Chelating agent	0.01-1%	None	None				There is no identifiable risk to the end user.
Amphoteric surfactant/cleaning agent								
Proprietary	cleaning agent	0.01-1%	None	None				There is no identifiable risk to the end user.
Remaining ingredient/Proprietary	Amphoteric Surfactants	0.01-1%	None	None				There is no identifiable risk to the end user.
Non-ionic surfactant/cleaning agent								
Proprietary	Non-ionic surfactant	1-5%	H318	Eye damage				The substance may cause eye, skin irritation when it comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.02%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage. There is no identifiable risk to the end user.
Amphoteric surfactant/cleaning agent (Plant derived/RSPO MB Certified)								
Proprietary	Disinfectant/Biocide	0.01-1%	None	H315, H318 & H412				The substance may cause eye, skin irritation when it comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.02%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage. There is no identifiable risk to the end user.
Water	7732-18-5	0.01-1%	None	None				There is no identifiable risk to the end user.
Sodium chloride	7647-14-5	0.01-1%	None	None				There is no identifiable risk to the end user.
Enzyme								

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Exposure Category	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Water	7732-18-5	0.01-1%	None	None				There is no identifiable risk to the end user.
Proprietary	Cleaning agent	0.01-1%	H334	Resp. Sens. 1				The substance may cause respiratory irritation when it comes in contact. In use, the product will be diluted and the maximum concentration of this substance after dilution is less than 0.01%. In this concentration, the substance is unlikely to cause any hazard, if used as per instructions. Both Applicant and Tier 1 supplier has OHS in place to mitigate this hazards in manufacturing stage. There is no identifiable risk to the end user.
Proprietary	Cleaning agent	0.01-1%	None	None				There is no identifiable risk to the end user.
Colouring agent								
Proprietary	Colouring agent	0.01-1%	None	None				There is no identifiable risk to the end user.

**Comments:**

Users should ensure to follow the instructions mentioned in the product label for safe handling. The product must be used as per the dilution rate mentioned in the product label.