

# PHD™

## Product Health Declaration

### ABCO Products

#### e-Z-Kleen X, e-Surface X, e-Washroom X, e-Flush

e-Washroom X is a specially formulated biological product for cleaning all bathroom and washroom surfaces. e-Z-Kleen X is an enzymatic preparation for cleaning and degreasing hard surfaces which combines naturally derived and sustainable cleaning agents with powerful enzymes. e-Surface X is an all-in-one concentrated biological cleaner for multi-surface cleaning. e-Flush is a biological product designed to digest organic waste at the source of odour and significantly reduce the build up of uric acid scale.

**Products/Ranges:** e-Z-Kleen X, e-Surface X, e-Washroom X, & e-Flush  
**Product Stages Assessed:** Whole of life +re-use potential  
**Product Type:** Cleaning Product

**Licenced Site/s:** Bentley WA, Australia  
**Licence Number:** ABP:AB03:2022:PH  
**Licence Date:** 6th May 2022  
**Valid To:** 6th May 2023  
**Standard:** GGT International v4.0  
**Screening Date:** 6th May 2022  
**PHD URL:** <https://www.globalgreentag.com/getfile/13019/phd.pdf>

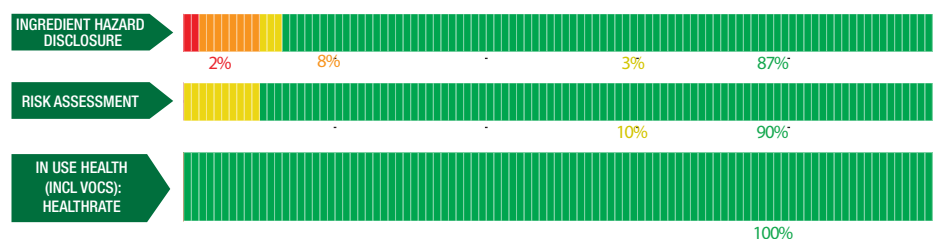


<b>PHD Summary</b>	<b>Inventory Threshold:</b>	<b>Inventory Method:</b>
Percentage Assessed: <b>100%</b>	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- Meets “Green Cleaning” requirements for Green Star.
- Product Meets Optimisation requirements - No Grey or Red Light category ingredient.
- Meets WELL™ v1.0 Features 97: Material Transparency and, WELL™ v2.0 Features – X07: Material Transparency, X08: Material Optimisation, X11: Cleaning Products & Protocols (Part 2)
- Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: “Building Product Disclosure and Optimisation - Material Ingredients” - Option 2 - International ACP - REACH Optimisation.
- No worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.
- No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.
- No environmental exposure to Carcinogens, Mutagens, Reproductive Toxicants or Endocrine Disruptors.

**ASSESSMENT:**

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:

- 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) 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 an 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	<b>Ideal- Low</b> No concerns- ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context'
Yellow	<b>Medium to Low</b> Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context'
Orange	<b>Moderate</b> Hazardous ingredient with "Issue of Concern" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	<b>Problematic (Red): Target for Phase</b> Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	<b>Very Problematic (Dark Red): Target for Phase</b> Very Hazardous ingredient with 'Red Light Exclusion" concern depending on % of the ingredient, hazard level, and relevance to use context'
Grey	<b>Uncategorised</b> Not able to be categorised due to lack of toxicity impact information.
Black	<b>Banned Ingredients</b> 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
Proprietary								
Proprietary	Chelating agent	1-5 %	None	OK				The substance is not hazardous Recycled Content: None Nanomaterials: unknown
Proprietary	Universal Solvent	1-5 %	None	OK				The substance is not hazardous Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Thickener/ Stabiliser	0.1-1 %	None	OK				The substance is not hazardous Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Solvent	0.1-1 %	None	OK				The substance is not hazardous Recycled Content: None Nanomaterials: unknown
Proprietary								
D-Glucopyranose Oligomers	68515-73-1	5-10 %	H318	OK				The substance can cause eye damage. In use the substance is unlikely to be in contact with eyes. In use, the product will be diluted and the maximum concentration of this substance after dilution is 0.28 %. In this concentration the substance is unlikely to cause any harm to eyes if used as per instruction.  it is a non-ionic surfactant prepared from glucose and C8-C10 fatty alcohols. It is composed of minimum 75 % bio-based ingredient. It is RSPO Certified.  Both Applicant and Tier 1 Supplier have OHS in place  Recycled Content: None Nanomaterials: unknown
Proprietary	Universal Solvent	1-5 %	None	OK				The substance is not hazardous Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Solvent	0.1-0.5%	None	OK				The substance is not hazardous Recycled Content: None Nanomaterials: unknown
Proprietary	Fragrance	0.1-0.5 %	H315, H319	OK				The substance can cause skin and eyes irritation. In use the concentration of substance in the final product is very low and unlikely to cause any harm to end-user.  Both Applicant and Tier 1 Supplier have OHS in place.  Recycled Content: None Nanomaterials: unknown
Proprietary	Fragrance	0.1-0.5%	H412	OK				The substance maybe harmful to aquatic environment. In the final product the concentration is very low and unlikely to cause any harm to the environment  Both Applicant and Tier 1 Supplier have OHS in place  Recycled Content: None Nanomaterials: unknown

Proprietary	Fragrance	0.1-0.5 %	H302, H319	OK				<p>The substance is harmful if swallowed and causing eye irritation. In use the concentration of substance in the final product is very low and unlikely to cause any harm to end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Fragrance	0.01-0.1 %	H302	OK				<p>The substance is harmful if swallowed and causes eye irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Proprietary	Emulsifier	10-20 %	None	OK				<p>The substance is not hazardous.</p> <p>it is readily biodegradable non-ionic surfactants of vegetable origin. It is RSPO Certified</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Proprietary	pH Regulator	0.1-1 %	H319, H335	OK				<p>The substance can cause serious eye irritation and respiratory irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS and Environmental Management system in place.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Water	7732-18-5	1-5 %	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Solvent	1-2 %	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.1-1%	H319	OK				<p>The substance can cause eye irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Solvent	0.1-1%	H319	OK				<p>The substance can cause eye irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>

Proprietary	Surfactant	0.1-1%	H302, H318	OK				<p>The substance is harmful if swallowed and causes damage to the eye. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Emulsifier	0.1-1%	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Plant extract	0.1-1%	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H315, H412, 319	OK				<p>The substance can cause eye and skin irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H304, H411, H371	OK				<p>The substance maybe fatal if swallowed and may cause damage to organ. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H317, H304, H315, H371	OK				<p>The substance is harmful if in contact with skin, may be fatal if swallowed, and may cause organ damage. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user. It is also unlikely to be swallowed.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H304, H412, H319, H417	OK				<p>The substance may be fatal if swallowed and can cause skin and eye irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user. It is also unlikely to be swallowed.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>

Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H317, H304, H411, H302, H314	OK				<p>The substance can cause skin sensitization &amp; corrosion and may be fatal if swallowed. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user. it is also unlikely to be swallowed.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H304, H317, H319, H400, H410	OK				<p>The substance may be fatal if swallowed, skin sensitizing and eye irritating. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user. it is also unlikely to be swallowed.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Proprietary (Sign Microbe Declaration)	Microbes	0.015 unit	None	OK				<p>The substance is not hazardous</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Proprietary	Preservative & Disinfectant	0.01-0.05 %	H302, H315, H318, H400, H317	OK				<p>The substance is harmful if swallowed, skin irritating, eye-damaging, and skin sensitizing. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Solvent	0.01-0.1 %	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Proprietary	Preservative	0.1-1 %	None	OK				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Proprietary	Fragrance	0.1-1 %	H302	OK				<p>The substance is harmful if swallowed. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary	Fragrance	0.01-0.1 %	H302	OK				<p>The substance is harmful if swallowed. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								
Proprietary	Dyes	0.01-0.1 %	H319, H315	OK				<p>The substance can cause skin and eyes irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Proprietary								

Proprietary	Surfactant	1 - 2%	H318	OK				The substance can cause eyes irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.  Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Emulsifier	0.1-1 %	H315, H412, H318	OK				The substance can cause skin corrosion and eye damage. In use, the product will be diluted and the maximum concentration of this substance after dilution is 0.02 %. In this concentration the substance is unlikely to cause any harm to eyes if used as per instruction.  Both Applicant and Tier 1 Supplier have OHS in place ISO9001 certified.  Recycled Content: None Nanomaterials: unknown
Proprietary	Anti-scaling agent	0.01-0.1 %	H319	OK				The substance can cause eyes irritation. In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.  Both Applicant and Tier 1 Supplier have OHS in place ISO9001 certified.  Recycled Content: None Nanomaterials: unknown
Proprietary	Universal Solvent	0.1-1 %	None	OK				The substance is not hazardous.  Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Surfactant	1-2 %	None	OK				The substance is not hazardous.  Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Enzyme	0.01	None	OK				In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.  Recycled Content: None Nanomaterials: unknown
Proprietary	Solvent	0.01	None	OK				In use, the concentration of the substance in the final product is very low and unlikely to cause any harm to the end-user.  Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Universal Solvent	70-95 %	None	OK				The substance is not hazardous.  Recycled Content: None Nanomaterials: unknown

GHS Classification:

H226: Flammable liquids 3  
H302: Acute toxicity, oral 4  
H304: Aspiration hazard 1  
H312: Acute toxicity, dermal 4  
H314: Skin corrosion/irritation 1  
H315: Skin Irritation 2  
H317: Skin Sensitization 1

H318: Serious eye damage/eye irritation 1  
H319: Serious eye damage/eye irritation 2A  
H371: Specific target organ toxicity, single exposure 2  
H400: Hazardous to the aquatic environment, acute hazard 1  
H410: Hazardous to the aquatic environment, long-term hazard 1  
H411: Hazardous to the aquatic environment, long-term hazard 2  
H412: Hazardous to the aquatic environment, long-term hazard 3

Comments:

1. Gloves and eye protection should be worn when handling the product concentrate.
2. The PHD as published is for the CONCENTRATE products and the HealthRATE Assessment is done based on the recommended dilution rate.