GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
Platinum HEALTH
trust brands™
Asthma & Allergy Sensitive™

ABCO Products
e-Z-Kleen X, e-Surface X, e-Washroom X, e-Flush

e-Washroom X is formulated with enzymes for cleaning all bathroom and washroom surfaces. e-Z-Kleen X's enzymatic preparation is intended for cleaning and degreasing hard surfaces. e-Surface X is an all-in-one concentrated enzymatic formulated cleaner for multi-surface cleaning. e-Flush is a enzymatic formulated cleaning product designed to digest organic waste and reduce odour along with reducing the build up of uric acid scale.

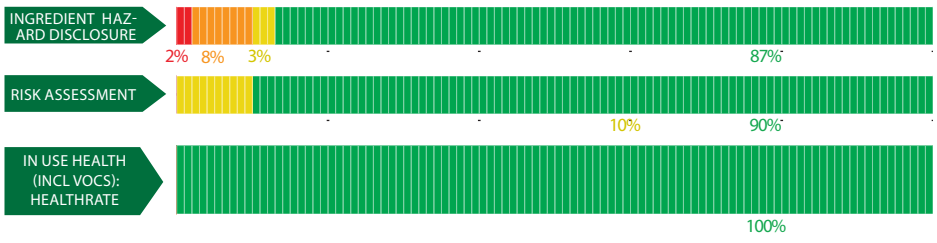
Products/Ranges:	e-Z-Kleen X, e-Surface X, e-Washroom X, & e-Flush
Product Stages Assessed:	Whole of life + re-use potential
Product Type:	Cleaning Product
Licenced Site/s:	Bentley WA, Australia
Licence Number:	ABP:AB03:2022:PH
Licence Date:	6th May 2022
Valid To:	6th May 2025
Standard:	GGT International v4.0
Screening Date:	6th May 2022
PHD URL:	www.globalgreentag.com/certificate/2271

PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- Meets "Green Cleaning" requirements for Green Star.
- GreenTag PHD recognized by WELL™ & LEED ® Material Transparency & Optimization credits included below:
- Meets WELL™ v1.0 Features 97: Materials 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 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 exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

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

ASSESSMENT:



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 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 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

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 hazarduos Recycled Content: None Nanomaterials: unknown
Proprietary	Universal Solvent	1-5 %	None	OK				The substance is not hazarduos Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Thickener/ Stabiliser	0.1-1 %	None	OK				The substance is not hazarduos Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Solvent	0.1-1 %	None	OK				The substance is not hazarduos 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 concenttration of this substance after di-lution 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 hazarduos Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Solvent	0.1-0.5%	None	OK				The substance is not hazarduos 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				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. Both Applicant and Tier 1 Supplier have OHS in place. Recycled Content: None Nanomaterials: unknown
Proprietary	Fragrance	0.01-0.1 %	H302	OK				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. Both Applicant and Tier 1 Supplier have OHS in place. Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Emulsifier	10-20 %	None	OK				The substance is not hazarduos. it is readily biodegradable non-ionic surfactants of vegetable origin. It is RSPO Certified Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	pH Regulator	0.1-1 %	H319, H335	OK				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. Both Applicant and Tier 1 Supplier have OHS and Environmental Management system in place. Recycled Content: None Nanomaterials: unknown
Proprietary								
Water	7732-18-5	1-5 %	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary	Solvent	1-2 %	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.1-1%	H319	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Solvent	0.1-1%	H319	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown

Proprietary	Surfactant	0.1-1%	H302, H318	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Emulsifier	0.1-1%	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary	Plant extract	0.1-1%	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H315, H412, 319	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H304, H411, H371	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H317, H304, H315, H371	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H304, H412, H319, H417	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown

Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H317, H304, H411, H302, H314	OK				The substance can cause skin sensitization & 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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	H304, H317, H319, H400, H410	OK				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. Both Applicant and Tier 1 Supplier have OHS in place and ISO14001 certified. Recycled Content: None Nanomaterials: unknown
Proprietary	Degreaser/ Cleaning Booster	0.01-0.1 %	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary (Sign Microbe Declaration)	Microbes	0.015 unit	None	OK				The substance is not hazarduos Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Preservative & Disinfectant	0.01-0.05 %	H302, H315, H318, H400, H317	OK				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. Recycled Content: None Nanomaterials: unknown
Proprietary	Solvent	0.01-0.1 %	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Preservative	0.1-1 %	None	OK				The substance is not hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Fragrance	0.1-1 %	H302	OK				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. Recycled Content: None Nanomaterials: unknown
Proprietary	Fragrance	0.01-0.1 %	H302	OK				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. Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Dyes	0.01-0.1 %	H319, H315	OK				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. Recycled Content: None Nanomaterials: unknown
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. n 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 hazarduos. Recycled Content: None Nanomaterials: unknown
Proprietary								
Proprietary	Surfactant	1-2 %	None	OK				The substance is not hazarduos. 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 hazarduos. 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.