



GREENWORX CLEANING SOLUTIONS

Bio Tech probiotic degradation of organics, cleaning and malodour eradication agents for all surfaces.

Products/Ranges:	Various products- see comments (page 4)
Product Stages Assessed:	Whole of life +re-use potential
Product Type:	Cleaning Product
Licenced Site/s:	Kya Sands, South Africa
Licence Number:	GRE:CP01:2023:PH
Licence Date:	29th May 2023
Valid To:	29th May 2025
Standard:	GGT International Cleaning Standard v1.1
Screening Date:	06th April 2023
PHD URL:	www.globalgreentag.co.za/certificate/1836



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 .
- Meets WELL™ v1.0 Features 97: Material Transparency and WELL™ v2.0 Features – X07: Material Transparency and X08: Material Optimisation, X11:Cleaning Products & Protocols (Part2)
- 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.

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

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[®] 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	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Linear alkylbenzene sulfonates	68411-30-3	40-50%	H315, H302 H381, H412	OK				The substance may cause harm when in contact with skin,eyes.It also has harmful long lasting effect on aquatic life. Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. In use stage,the product label states the use of proper gloves and usage dose is recommended thus minimizing risk to the user. Recycled Content: None Nanomaterials: no
Water	7732-18-5	70-90%	NONE	OK				No identifiable risk for manufacturing or use phases. Recycled Content: Unknown Nanomaterials: no
Nacal+H2O	Solvent	0.5-2%	NONE	OK				Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
Anionic Surfactant	68585-34-2	0.2-0.5%	H315, H319	OK				Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. In use stage,the product label states the use of proper gloves and usage dose is recommended thus minimizing risk to the user. Recycled Content: None Nanomaterials: no
Proprietary	Solvent	5-10%	N/A	OK				Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
Polygel W301	Thickening agent	0-0.5%	N/A	OK				Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
Phenoxyethanol	122-99-6	0-0.1%	H302 H318 H335	OK				The substance may cause harm when in contact with skin,eyes.It also has harmful long lasting effect on aquatic life. Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. In use stage,the product label states the use of proper gloves and usage dose is recommended thus minimizing risk to the user. Recycled Content: None Nanomaterials: no
Aqua Peach	Colourant	1-2%	N/A	OK				The substance is non hazardous Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
C9-C11 Alkyl alcohol ethoxylate	68439-46-3	0-0.1%	H318, H302	OK				The substance may cause harm when in contact with skin & Eye. Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. In use stage,the product label states the use of proper gloves and usage dose is recommended thus minimizing risk to the user. Recycled Content: None Nanomaterials: no

Proprietary	Fragrance	1-2%	H317,H319,H411 H318,H412, H400	OK				The substance may cause harm when in contact with skin,eyes. It also has harmful long lasting effect on aquatic life. Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. In use stage,the product label states the use of proper gloves and usage dose is recommended thus minimizing risk to the user. Recycled Content: None Nanomaterials: no
Sodium Chloride	7647-14-5	0-0.1%	NONE	OK				Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
Poly dimethylsiloxane	67762-90-7	0.1-0.5%	NONE	OK				Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
Amorphous precipitated silica	112926-00-8	5-15%	NONE	OK				Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
Consotium of nutrients	Biocide	50-70%	N/A	OK				The Substance is a collection of bio degradable enzymes which are not directly hazardous to end users. Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. Recycled Content: None Nanomaterials: no
Polyoxyethylene C9C11 ether	68439-46-3	2-10%	H318	OK				The substance may cause harm when in contact with eyes. Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. In use stage,the product label states the use of proper gloves and usage dose is recommended thus minimizing risk to the user. Recycled Content: None Nanomaterials: no
Benzene sulphonic acid	68411-30-3	0.1-1%	H302, H315, H318, H412	OK				The substance may cause harm when in contact with skin,eyes.It also has harmful long lasting effect on aquatic life. Greenworx has ISO 9001,14001 and OHS policy which reduce harmful impacts to factory workers in contact with substance using proper PPE. In use stage,the product label states the use of proper gloves and usage dose is recommended thus minimizing risk to the user. Recycled Content: None Nanomaterials: no

Comments:

All the product range certified in this PHD are given below:

Bio Tech GTX100 NF,	Bio Tech GTX50 NF	Bio Tech GT 50 X FF Super Concentrate	Bio Tech GTX20 NF 25 litre Broiler Water Treat
Bio Tech GTX20 NF 25 litre Animal House	Bio Tech GTX20 NF 25 litre, Bio Tech GT 20 X FF	Bio Tech GT 10 X FF Probiotic Surface Cleaner & Sanitiser	Bio Tech GT 10 X FF Animal House Cleaning and Sanitising
Bio Tech GT 10 X FF,	Bio Tech GT 1 X RTU	Bio Tech GT 1 X Probiotic Surface Cleaner & Sanitiser (RTU)	Bio Tech GTX Thick 5 & 25 Litre
Bio Tech GT 10 X FF Non - Foaming Carpet Ease	Bio Tech GT 20 X FF Non - Foaming Carpet Ease	Bio Tech GTX Bio Plant & Soil Booster	Bio Tech GTX Soil Bio Simulant 20 X Concentrate

Bio Tech Urinal Sanitiser	Bio Tech Bathroom Cleaner 500 ml	Bio Tech Bathroom Cleaner 10 X 500 ml	Bio Tech Drain Cleaner & Deodoriser 500 ml
Bio Tech Floor & Tile Cleaner 500 ml	Bio Tech Foot Ware Cleaner & Deodoriser 500 ml	Bio Tech Garbage & Wheelie Bin Cleaner Sanitiser 500 ml	Bio Tech GTX Probiotic Sanitising Spray 500 ml
Bio Tech kennel Wash 500 ml	Bio Tech Laundry Spot Remover 10 X Concentrate 500 ml	Bio Tech Misting Deodoriser 500 ml	Bio Tech Pet Stain Cleaner and Odour Remover 500 ml
Bio Tech Sanitiser and Mask Cleaner 500 ml	Bio Tech Sport Shoe Cleaner & Deodoriser 500 ml	Bio Tech Toilet Cleaner & Deodoriser 500 ml	Bio Tech Washing Machine Cleaner & Deodoriser 500 ml
Bio Tech Probiotic Mask wash and sanitizing spray	Bio Tech Grey Water Treatment 500 ml		