



GREENWORX CLEANING SOLUTION

Bio Tech probiotic hand soap, gel and foaming. Treatment of grey water / septic tank cleaning and deodorising organics.

Products/Ranges:	Various products-See comments (page 6)
Product Stages Assessed:	Whole of life +re-use potential
Product Type:	Cleaning Product
Licenced Site/s:	Kya Sands, South Africa
Licence Number:	GRE:CP02:2023:PH
Licence Date:	29th May 2023
Valid To:	29th May 2024
Standard:	GGT International Cleaning Product v1.1
Screening Date:	06th April 2023
PHD URL:	https://www.globalgreentag.co.za/getfile/12327/phd.pdf



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

- 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 & 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	Ideal- Low No concerns- ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context'
Yellow	Medium to Low Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context'
Orange	Moderate Hazardous ingredient with "Issue of Concern" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	Problematic (Red): Target for Phase Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	Very Problematic (Dark Red): Target for Phase Very Hazardous ingredient with 'Red Light Exclusion" concern depending on % of the ingredient, hazard level, and relevance to use context'
Grey	Uncategorised Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients 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	Exposure Category	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Activated Sea Water)	Diluent	0-5%	NONE	NONE				No identifiable risk for manufacturing or use phases. Recycled Content: None Nanomaterials: no
Anionic Surfactant	68585-34-2	0-1%	H315 H319	Skin irritation Eye irritation				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
Bacilus Strains								
C9-C11 Alkyl alcohol ethoxylate	68439-46-3	0-0.1%	H318, H302	Eye damage Harmful if swallowed				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
1,2-benzisothiazolin-3-one BIT (biocide)	2634-33-5	0-0.1%	H302, H315, H317, H400	Skin irritation, Toxic to aquatic life, harmful if swallowed,				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 Hydroxide	1310-73-2	0-0.1%	H314	Skin and Eye damage				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
Linear alkylbenzene sulfonates	68411-30-3	30-50%	H302,H315, H318,H412	Harmful if swallowed, Skin irritant, Eye damage, Toxic to aquatic life.				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 Hydroxide	1310-73-2	0-0.1%		Corrosive to metal, Skin/Eye damage				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
Coconut Diethanol Amide								

Cocamide DEA	68603-42-9	0.5-2%	H315, H318	Skin irritant & Eye damage				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
Glycerin	56-81 -5	0-0.1%	H319	Eye irritation				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
Diethanolamine, DEA	111-42-2	0-0.5%	H302,H315, H318,H361,H373	Harmful if swallowed, Skin irritant, Eye damage, Fertility damage, Organ damage				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
Methanol	67-56-1	0-0.1%	H225,H301, H311,H331,H370	Highly flammable, Fatal if swallowed, Skin toxic, Inhalation				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
Proprietary	Fragrance	1-5%	H302,H317,H318 H361d, H412	Harmful if swallowed, Skin irritant, Eye damage, Fertility damage, toxic to aquatic life				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
Polyoxyethylene C9C11 ether	68439-46-3	0-2 %	H302, H318	Harmful if swallowed, Eye damage				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
Glycerine 1,2,3-trihydroxypropane	56-81-5	0-0.2 %	H319	Eye irritation				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
Blue Colourant	68921-42-6	0-0.2 %	NONE	NONE				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	Thickening agent	2-4\$	NONE	NONE				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

Caprylyl/Capryl Glucoside	68515-73-1	0.5-1%	H318	Eye Damage				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
Phenoxyethanol	122 -99 -6	0.1-0.5%	H302, H318, H335	Fatal if swallowed, Eye damage, Respiratory irritation				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
Proprietary (Odiferous)	Fragrance	1-5%	H304, H315, H317, H411	Skin/Eye irritation, Toxic to aquatic life, Fatal if swallowed, Flammable				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
Neutralised Benzene Sulphonic Acid	68411-30-3	10-20-%	H302,H315, H318,H412	Fatal if swallowed, Skin irritation, Eye damage, Toxic to aquatic life				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	Diluent	75-80%	NONE	NONE				No identifiable risk for manufacturing or use phases. Recycled Content: Unknown Nanomaterials: no

Comments:

The range of product certified in this PHD certificate are given below:

Bio Tech GTX Hand Soap 1000 litre own flowbin (Blue Gamma Fragrance)	Bio Tech GTX Hand Soap 1000 litre own flowbin (Blue Milk & Honey Fragrance)	Bio Tech GTX Foam Hand Soap 1000 litre own flowbin (Green Gamma Fragrance)
Bio Tech GTX Foam Hand Soap 1000 litre own flowbin (Green Milk & Honey Fragrance)	Bio Tech GTX Pet Friendly Shampoo	Bio Tech GTX Hand Soap 5 and 25 litre (Blue Gamma Fragrance)
Bio Tech GTX Hand Soap 5 and 25 litre (Blue Milk & Honey Fragrance)	Bio Tech GTX Foam Hand Soap 5 and 25 litre (Green Gamma Fragrance)	Bio Tech GTX Foam Hand Soap 5 and 25 litre (Green Milk & Honey Fragrance)
Bio Tech GTX Gel Hand Wash 500 ml	Bio Tech GTX 10 Grey Water Treat	