GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

Global GreenTag CertTM Certified
PLATINUM HEALTH
HealthRate™

Environmental Products & Services Ltd

GreaseShield Grease Interceptor

GreaseShield Interceptors helps in preventing drain blocakage by seperating and recovering fats, oils and grease using patented technology.

Products/Ranges:	See in comments
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Grease Interceptors
CSI Masterformat:	22 40 13
Licenced Site/s:	Co. Down, Ireland
Licence Number:	EPS:GS01:2024:PH
Licence Date:	25 November 2024
Valid To:	25 November 2027
Standard:	GGT International v4.1
Screening Date:	20 November 2024
PHD URL:	www.globalgreentag.com/certificate/2875/

Environmental Products and Services Ltd
Award Winning Technology

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

- GreenTag Banned List Compliant.
- Meets IWBI ® WELL ® v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 25 (Part 1, 2, 3) , and, meets IWBI ® WELL ® v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X07 (Part 2); X08 (Part 1).
- 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.
- Independent third party assessment for worker, user, and environmental exposure to any 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

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:

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) 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 GreenTag 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 Compliance	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Steel	Components	30-50%	None	OK				ROHS declaration of confirmity provided. Stainless steel components in the product are drumshaft, enclosure lid, main enclosure, screw, pump bracket, motor moulding plate etc. There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Polypropylene	9010-79-1	1-5%	None	OK				The unreacted substance is toxic to aquatic organisms with long lasting effects. The manufacturing facility has Environmental management system in place which reduces the risks. The substance is harmless to the end user. Recycled Content: Unknown Nano Materials: Unknown
EPDM	25038-36-2	1-5%	H412	OK				ROHS declaration of confirmity provided. Rubber componenets in the products are end cap, flow controller, trap,bumper feet, hose, drain cover, filter, seal tank top. The unreacted substance is toxic to aquatic organisms with long lasting effects. The manufacturing facility has Environmental management system in place which reduces the risks during the manufacturing stage. The substance embedded in the final product and in this stage it is harmless to the end user. Recycled Content: Unknown Nano Materials: Unknown
PVC	9002-86-2	1-5%	IARC 3, H319, H335, H315, H362, H412, H400, H410	OK				The substance is suspected to be carcinogenic. It may also causes serious eye, skin or respiratory irritation. The manufacturing facility has OHS and EMS procedures in place which reduces the risks during manufacturing stage. The substance is embedded in the final product, the risks to end users are unlikely. Recycled Content: Unknown Nano Materials: Unknown
Nylon-66	32131-17-2	0.01-1%	H315	OK				The substance present in the form of fasteners & fixings. The components are tested as per ROHS directive. The unreacted substance may cause skin irritation.The manufacturing facility has OHS policies in place which reduces the risks. The substance is embedded in the final product, no risks to end users. Recycled Content: Unknown Nano Materials: Unknown
Polymer	9002-88-4	0.01-1%	IARC 3, H412, H335, H373, H315, H334, H319, H317	OK				The substance is suspected to be carcinogenic. It may also causes serious eye, skin or respiratory irritation. The manufacturing facility has OHS and EMS procedures in place which reduces the risks during manufacturing stage. The substance is embedded in the final product, therefore the risks to end users are unlikely. Recycled Content: Unknown Nano Materials: Unknown
Barium Ferrite Magnets	Fastners	0.01-1%	H252, H251, H319, H315, H335	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown

Polypropylene	9003-07-0	15-30%	IARC 3, H228	OK				The substance is a part of the product as injection moulding tank, transfer pipe, holder . The substance is suspected to be carcinogenic to humans, with the primary risks during the manufacturing stage. The manufacturing facility has OHS policies in place to mitigate the risks. The substance is embedded in the final product. In this stage, the risks to end users are unlikely. Recycled Content: Unknown Nano material: Unknown
Aluminium	7440-31-5	1-5%	H228, H261	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Quartz Glass	60676-86-0	0.01-1%	None, H319, H373, H335, H315, H350, H370, H372	OK				The unreacted substance is suspected to be carcinogenic to humans. It may also cause eye, skin or respiratory irritations. The manufacturing facility has Occupational Health & safety procedures in place to reduce the risks. The substance is embedded in the final product. The risks to end users are unlikely. Recycled Content: Unknown Nano Materials: Unknown
Tin	7440-31-5	1-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Copper	7440-50-8	1-5%	H411	OK				The substance is toxic to aquatic organisms. The risks during manufacturing stage are mitigated with Environment Management System procedures of manufacturing facility. The susbtance is embedded in the final product. No identifiable risks to end users in this stage. Recycled Content: Unknown Nano Materials: Unknown

GHS H-Statement classification:
H228: Flammable Solid 1
H251: Self heating substance 1
H252: Self heating substance 2
H261Water reaction 2
H315: Skin Irritation 2
H317: Skin Sensitising 1
H319: Eye Irritation 2
H334: May cause an allergic respiratory reaction
H335: Specific target organ Single Exposure 3, Lungs/ Respiratory
H350: Carcinogenicity 1B
H351: Carcinogenicity 2
H362: May cause harm to breast-fed children.
H370: Specific target organ toxicity, Single category 1
H372: Specific target organ toxicity, repeated category 1
H373: Specific target organ toxicity, Auditory system
H400: Aquatic ACute 1
H410: Aquatic Chronic 1
H412: Aquatic Chronic 3

IARC Group:
IARC 3: Not classifiable as to its carcinogenity to human

Comments:
ROHS Declaration of Confirmity verified components of Product:
1. Stainless steel components like drumshaft, main enclosure, screw, pump bracket, motor moulding plate
2. Pump
3.Rubber components like hose, drain cover, filter, seal tank top
4. Motor, PLC
5. Electrical & wiring components
6. Coorugated cardboard provided declaration of confirmity with test reports compliant to ROHS Directive

Range of GreaseShield Products includes:
The scope of certification includes Grease interceptor variants as GreaseShield 1000 with Front Loading Filter, GreaseShield 1000 AST, GreaseShield 1850 AST WOK, GreaseShield 1850 Dual with PreFilter, GreaseShield 1850 Dual with PreFilter, GreaseShield 1850 AST with PreFilter, GreaseShield 2000 with PreFilter, GreaseShield®3000-F, GreaseShield®3000-DW and GreaseShield®4000-F