

PHD™

Product Health Declaration



ABCO Products

e-Power X

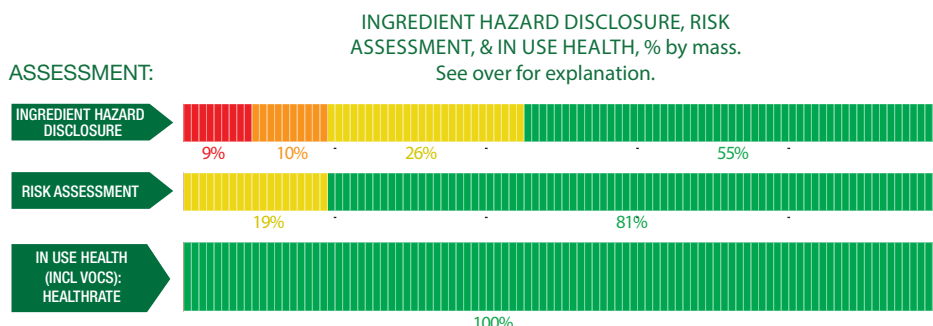
e-Power X is a concentrated surface cleaning product. e-Power X is an alkaline detergent formulated with new nano emulsification chemistry for ultimate penetration and release of grease and oily grime, with the versatility of blasting through tough soil build-ups. e-Power X can be used on various surfaces such as laminate, benches, stainless steel, and all non-painted washable surfaces. e-Power X recommended dilution rate is 1:100 and 1:150, but it can be diluted to as low as 1:50 for a strong dilution.

Products/Ranges: e-Power X
Product Stages Assessed: Whole of life +re-use potential
Product Type: Concentrated Cleaning Product
Licensed Site/s: Bentley WA, Australia
Licence Number: ABP:AB04:2022:PH
Licence Date: 27th July 2022
Valid To: 27th July 2023
Standard: GGT International v4.0
Screening Date: 27th July 2022
PHD URL: <https://www.globalgreentag.com/13080/phd.pdf>



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.
- 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.



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 GGT International Standard v4.0, Personal Products Standard v1.0, and Cleaning Products Standard v1.0 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
Water								
Water	Dilutant	55-65%	None	None				The substance is not hazardous. Recycled Content: None Nanomaterials: Unknown
Potassium Hydroxide								
Potassium Hydroxide	1310-58-3	0.5-3%	H302, H314	Skin, Oral, Respiratory				The substance is harmful if swallowed, and the substance can cause severe skin burns if exposed to the skin. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard. Recycled Content: None Nanomaterials: Unknown
Sodium Metasilicate								
Silicic acid, disodium salt (Pentahydrate)	10213-79-3	1-5%	H302, H314, H335	Skin, Eyes, Respiratory				The substance is harmful if swallowed, and the substance can cause and can cause respiratory irritation and severe skin burns if exposed to the respiratory system and skin. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard. Both Applicant and Tier 1 Supplier have OHS in place. Recycled Content: None Nanomaterials: Unknown
Sodium Metasilicate								
Sodium metasilicate pentahydrate	6834-92-0	1-5%	H302, H314, H335	Skin, Eyes, Respiratory				If exposed to the respiratory system, skin, or eyes, the substance can cause respiratory irritation, eye irritation, and severe skin burns. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard. Both Applicant and Tier 1 Supplier have OHS in place. Recycled Content: None Nanomaterials: Unknown
Water	7732-18-5	1-5%	None	None				The substance is not hazardous. Recycled Content: None Nanomaterials: Unknown
Chelate								
Proprietary	Chelate	1-5%	H319, H315	Skin, Eyes				If exposed to the skin, or eyes, the substance can cause skin and eye irritation. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard. Both Applicant and Tier 1 Supplier have OHS in place. Recycled Content: None Nanomaterials: Unknown
Corrosion inhibitor								
Proprietary	Corrosion inhibitor	1-10%	None	None				The substance is not hazardous. Recycled Content: None Nanomaterials: Unknown
Perfume								

Proprietary	Fragrance	0.01-1%	H410, H400	Aquatic Environment				<p>The substance is very toxic to aquatic life. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard.</p> <p>Galaxolide undergoes primary degradation in water, sediment, biosolids and soil, with no evidence of ultimate degradation under environmentally relevant conditions. The primary degradation half-life of galaxolide in river water inoculated with activated sludge was measured in a study to be 33–100 hours.</p> <p>Galaxolide has an expected primary degradation half-life in sediment of 79 days.</p> <p>Galaxolide is expected to degrade in soils with a primary degradation half-life of 95–239 days, depending on the soil type.</p> <p>Galaxolide have a moderate potential to bioaccumulate in aquatic life, and an uncertain potential to bioaccumulate in benthic organisms.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Proprietary (Remaining Substances)	Fragrance	0.01-1%	None	None				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
DPM - Dipropylene glycol monomethyl ether								
DPM - Dipropylene glycol monomethyl ether	34590-94-8	10-20%	H335	Respiratory				<p>If exposed to the respiratory system, the substance may cause respiratory irritation. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Emulsifier								
Proprietary	Emulsifier	5-10 %	H302	Oral				<p>The substance is harmful if swallowed. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Emulsifier and Wetting Agent								
Proprietary	Emulsifier and Wetting Agent	5-10 %	H318, H302, H411	Oral, Eyes, Aquatic Environment				<p>The substance is harmful if swallowed. If exposed to the eyes, the substance can cause serious eye damage. The substance is toxic to aquatic life. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard.</p> <p>The substance is readily biodegradable. By far the most significant fate process for AEs is aerobic microbial biodegradation. Majority of their biodegradation occurs in the sewage system, wastewater treatment plants, septic systems and to a lesser extent in natural waters.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>

Proprietary	Emulsifier and Wetting Agent	1-5 %	H318, H411	Eyes, Aquatic Environment				<p>If exposed to the eyes, the substance causes serious eye damage. The substance is toxic to aquatic life. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard.</p> <p>The substance is not readily biodegradable. The substance has been verified by USEPA and "Green Circle" which means the chemical has been verified to be of low concern based on experimental and modeled data.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Proprietary	Emulsifier and Wetting Agent	1-5 %	None	None				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Wetting Agent								
Proprietary	Wetting Agent	1-5 %	H318, H302, H411	Eyes				<p>If exposed to the eyes, the substance can cause eye irritation. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Proprietary	Wetting Agent	1-5 %	H318, H411	Eyes, skin				<p>If exposed to the eyes and skin, the substance can cause serious eye damage and skin irritation. In use, the substance will be diluted with a ratio of 1:50 up to 1:150. In diluted form, it is unlikely to pose any hazard.</p> <p>Both Applicant and Tier 1 Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Water	7732-18-5	0.1 - 1 %	None	None				<p>The substance is not hazardous.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>

GHS Classification

- H290: Metal Corrosion 1
- H302: Acute Toxicity 4, Oral
- H314: Skin Corrosion 1A
- H315: Skin Irritation 2
- H318: Eye Damage 1
- H319: Eye Irritation 2A/ Eye Irritation 2
- H335: Specific Target Organ Toxicity Single Exposure 3, Lungs / Respiratory
- H410: Aquatic Chronic 1
- H411: Aquatic Acute 1 / Aquatic Chronic 2

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 (1:50).