GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

Global GreenTag CertTM Certified
PLATINUM HEALTH
HealthRate™

Dulux New Zealand

Dulux UltraAir Ceiling White NZ

Dulux UltraAir Ceiling White is a low emission low odour water based paint. The product can be used for residential projects, having product range available in various specifications like 1L, 2L, 4L,10L and 15L in the market.

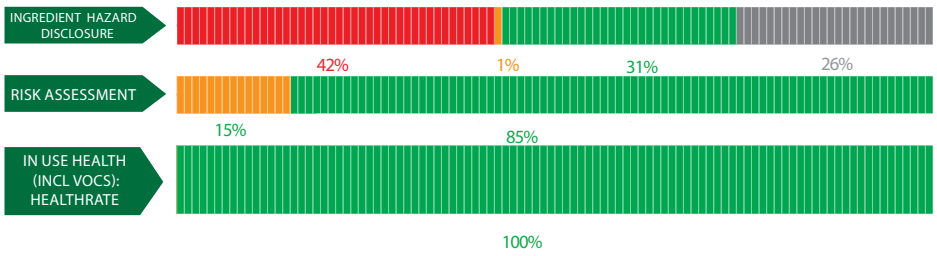
Products/Ranges:	Dulux UltraAir Ceiling White NZ
Product Stages Assessed:	Material inputs, manufacturing, in-use
CSI Masterformat:	09 91 00 Painting
Licenced Site/s:	Lower Hutt, New Zealand
Licence Number:	DUN:LO01:2025:PH
Licence Date:	28th June 2021
Valid To:	28th June 2025
Standard:	GGT International v4.1
Screening Date:	19th February 2025
PHD URL:	https://www.globalgreentag.com/certificate/1979/

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

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL ° & LEED ° Material Transparency & Optimization credits included below:
- Meets IWBI ° WELL ° v1.0 as Recognized for Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for Feature 04 (Part 1 , and meets IWBI ° WELL ° v2.0 as Recognized for X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for X01 (Part 3); X05 (Part 1, 2); X06 (Part 1); 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.

ASSESSMENT:

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass.



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 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

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
Dispersion polymer								
mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	<0.01%	H330, H310 H301, H314 H318, H317 H400, H410	OK				Once applied the dispersion polymer together with its preservatives/biocides will be incorporated in a hard, durable, inert film and will not present a significant hazard. Any fragments, chips and flakes of the paint will be of little concern as they are expected to be inert. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
2-methylisothiazol-3(2H)-one	2682-20-4	<0.1%	H330, H311 H301 H314 H318, H317 H400, H410	OK				Once applied the dispersion polymer together with its preservatives/biocides will be incorporated in a hard, durable, inert film and will not present a significant hazard. Any fragments, chips and flakes of the paint will be of little concern as they are expected to be inert. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	2634-33-5	<0.1%	H302, H315 H318, H317 H400	OK				Once applied the dispersion polymer together with its preservatives/biocides will be incorporated in a hard, durable, inert film and will not present a significant hazard. Any fragments, chips and flakes of the paint will be of little concern as they are expected to be inert. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Proprietary Substance	Additive	5-15%	None	OK				Once applied the dispersion polymer together with its preservatives/biocides will be incorporated in a hard, durable, inert film and will not present a significant hazard. Any fragments, chips and flakes of the paint will be of little concern as they are expected to be inert. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Pigment								
Titanium dioxide	Pigment	5-15%	None	OK				Once applied, this pigment will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Propylidynetrimethanol	77-99-6	0.01-1%	H361	OK				Once applied, this pigment will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown

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
Proprietary Substance	Pigment	0.01-1%	None	OK				Once applied, this pigment will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Filler								
Perlite	93763-70-3	5-15%	None, H319, H335, H315, H372	OK				Once applied, this filler will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Proprietary Substance	Filler	0.01-1%	None	OK				There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Dosed Water								
Water	7732-18-5	40-55%	None	OK				There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H -isothiazol-3-one	55965-84-9	<0.01%	None	OK				There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Extender								
Limestone	1317-65-3	5-15%	H315, H318, H319, H335, H350, H372	OK				Once applied, this pigment will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Proprietary Substance	Extender	0.01-1%	None	OK				There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Mineral Pigment								
Ceramic materials and wares, chemicals	66402-68-4	1-5%	H318, H319	OK				Once applied, this mineral pigment will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Proprietary Substance	Pigment	0.01-1%	None	OK				There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown

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
Rheology Modifier								
Dibutyltin dilaurate	77-58-7	<0.01%	H341, 360FD, H372	OK				Once applied, this rheology modifier will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Proprietary Substance	Rheology Modifier	0.01-1%	None	OK				Once applied, this rheology modifier will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Foam Control								
White mineral oil (petroleum)	8042-47-5	0.1-1%	H304	OK				There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Precipitated synthetic amorphous silica	112926-00-8	<0.5%	H330, H372, H332, H318, H335	OK				Once applied, this ingredient in the foam control will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Alcohols, C12-15, ethoxylated	68131-39-5	0.01-1%	H400, H412	OK				Once applied, this ingredient in the foam control will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
N,N'-ethylenedi(stearamide)	110-30-5	<0.01%	H312, H319, H335, H315, H317, H413, H412, H411	OK				Once applied, this ingredient in the foam control will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Proprietary	Additive	0.1-1%	None	OK				There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Dispersant								
polycarboxylic acid	Waterborne pigment dispersant	0.1-1%	None	OK				Once applied, this dispersant will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown

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
Binder								
Proprietary Substance	9004-62-0	0.01-1%	None	OK				Once applied, this rheology modifier will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Biocide for preservative								
Antomicrobial microbiocide	Biocide	<0.1%	None	OK				Once applied, this biocide will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Additives for Paints								
2-amino-2-ethyl-propanediol	115-70-8	0.01-1%	H318	OK				Once applied, this additives will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
2-aminobu-tan-1-ol	96-20-8	<0.01%	H302, H400, H318, H314	OK				Once applied, this additives will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
water	7732-18-5	0.01-1%	None	OK				Once applied, this additives will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Proprietary Substance	Additives	0.01-1%	None	OK				Once applied, this additives will be incorporated in a hard, durable, inert film and will not present a significant hazard. Dulux has OHS process and procedures for safe chemical handling, and hazards mitigation for factory workers. No identifiable risk to end user. Recycled Content: None Nano Materials: No
Biocide for dry film preservation								

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
pyrithione zinc; (T-4)- bis[1-(hydroxy-.kappa.O) pyridine-2(1H)-thionato-. kappa.S]zinc	13463-41-7	0-1%	H360D, H330, H301, H372, H318, H400, H410	OK				Once applied, this biocide will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
zinc oxide	1314-13-2	<0.01%	H400, H410	OK				Once applied, this biocide will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown
Proprietary Substance	Biocide	0.01-1%	None	OK				Once applied, this biocide will be incorporated in a hard, durable, inert film and will not present a significant hazard. There is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: unknown

GHS H-Statement classification

H302/H304 (Fatal if swallowed)
H311 (Toxic skin contact)
H314(skin/eye damage)
H315 (Skin irritation)
H317 (Allergic skin reacion)
H318(Eye damage)
H317(Allergic skin reaction)
H330 (Fatal if inhaled)
H332 (Harmful if inhaled)
H350 (May cause cancer)
H373 (May cause organ damage)
H400/H413 (Very toxic to aquatic life)

Comments:

VOC content: VOC g/L for Dulux UltraAir applied on site is < 1g/L ready to use product calculated in accordance with the stated methodology within Green Star technical manual. The TVOC content of the 'ready-to-use' paint shall be theoretically calculated as the sum total of VOCs of each of the raw material components comprising the paint. Calculations submitted on 03/10/2024 by Dulux New Zealand.