GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
Platinum HEALTH
CERT TM
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Haymes Paint

Ultra Premium Expressions® Semi-Gloss

Haymes Paint Expressions® Semi-Gloss is a water-based paint for interior use. It can be used in all wall and ceiling interior applications including wet areas such as kitchens and bathrooms. This paint is formulated to resist mold and mildew growth.

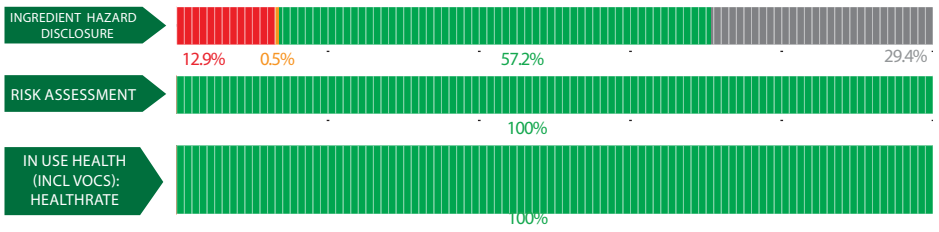
Products/Ranges:	Expressions® Semi-Gloss Paint
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Paint
CSI Masterformat:	09 90 00
Licenced Site/s:	Mitchell Park, Australia
Licence Number:	HAY:EB01:2024:PH
Licence Date:	1st March 2024
Valid To:	1st March 2025
Standard:	GGT International v4.0
Screening Date:	20th September 2023
PHD URL:	www.globalgreentag.com/certificate/2534

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 Green Star ° 'Buildings v1.0' as Recognized for~ Credit 9: Responsible Finishes; as a Compliant Technical Document (Audited) for ~ Credit 13: Exposure to Toxins, and 'Design & As Built v1.3' and 'Interiors v1.3' ~ Indoor Pollutants.
- 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); 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.

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 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
Material: Water								
Water	Solvent	15-30%	None	OK				This substance is not hazardous. Recycled Content: None Nano Materials: Unknown
Material: Opacifier								
Water	7732-18-5	5-15%	None	OK				This substance is not hazardous. Recycled Content: None Nano Materials: Unknown
Proprietary	Polymer	1-5%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Ammonia ....%	1336-21-6	0.01-1%	H314 (Skin Corr. 1B) H400 (Aquatic Acute 1)	OK				This substance is hazardous as its pH causes skin irritation. The manufacturing facility has WHS policy in place to reduce risks to workers. This is present is small quantities in the final product reducing risk during installation. The product is hardened once applied which removes the risk to users. Recycled Content: None Nano Materials: Unknown
reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one	Preservative	<0.01%	H330 (Acute Tox. 2) H310 (Acute Tox. 2) H301 (Acute Tox. 3) H314 (Skin Corr. 1C) H318 (Eye Dam. 1) H317 (Skin Sens. 1A H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				This substance is a biocide and is below the threshold of this assessment. It is necessary to extend the life of the product and is present at levels deemed acceptable by the GBCA. Recycled Content: None Nano Materials: Unknown
2-methylisothiazol-3(2H)-one	Biocide	<0.01%	H330 (Acute Tox. 2) H311 (Acute Tox. 3) H301 (Acute Tox. 3) H314 Skin Corr. 1B H318 ((Eye Dam. 1) H317 (Skin Sens. 1A H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				This substance is a biocide and is below the threshold of this assessment. It is necessary to extend the life of the product and is present at levels deemed acceptable by the GBCA. Recycled Content: None Nano Materials: Unknown
Material: Pigment								
Titanium dioxide	13463-67-7	1-5%	IARC 2B H350 (Carc. 2)	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes
Proprietary	Additive	0.01-1%	None	OK				This substance has no hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Proprietary	Additive	0.01-1%	H330 (Acute Tox. 2 (Inhalation)) H372 (STOT RE 1) H332 (Acute Tox. 4 (Inhalation)) H318 (Eye Dam. 1))H335 (STOT SE 3 (Resp.))	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes
Propylidynetrimethanol	77-99-6	0.01-1%	H361 (Repr. 2)	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Water	Moisture	0.01-1%	None	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown

Material: Acrylic Emulsion								
Water	7732-18-5	30-50%	None	OK				This substance has no hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Proprietary	See Legal Statement	30-50%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	0.01-1%	H412 (Aquatic Chronic 3,) H318 (Eye Dam. 1) H315 (Skin Irrit. 2)	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes
Ammonia	1336-21-6	0.01-1%	H314 (Skin Corr. 1B) H400 (Aquatic Acute 1)	OK				This substance is hazardous due to its pH causes skin irritation. The manufacturing facility has WHS policy in place to reduce risks to workers. This is present is small quantities in the final product reducing risk during installation. The product is hardened once applied which removes the risk to users. Recycled Content: None Nano Materials: Unknown
Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one	55965-84-9	<0.01%	H330 (Acute Tox. 2) H310 (Acute Tox. 2) H301 (Acute Tox. 3) H314 (Skin Corr. 1C) H318 (Eye Dam. 1) H317 (Skin Sens. 1A H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				This substance is a biocide and is below the threshold of this assessment. It is necessary to extend the life of the product and is present at levels deemed acceptable by the GBCA. Recycled Content: None Nano Materials: Unknown
Material: Filler								
Limestone	1317-65-3	5-15%	H312 (Skin Irrit. 2,) H318 (Eye Dam. 1), H319 (Eye Dam. 2A), H335 (STOT SE 3 (Resp.)), H350 (Carc. 1B), H372 (STOT RE 1)	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes
Silicon dioxide	14808-60-7	0.01-1%	IARC 1 (Carcinogenic to Humans)	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes
Material: Filler								
Limestone	1317-65-3	5-15%	H312 (Skin Irrit. 2,) H318 (Eye Dam. 1), H319 (Eye Dam. 2A), H335 (STOT SE 3 (Resp.)), H350 (Carc. 1B), H372 (STOT RE 1)	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes

Silicon dioxide	14808-60-7	0.01-1%	IARC 1 (Carcinogenic to Humans)	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes
Material: Plasticizer								
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	6846-50-0	1-5%	H412 (Aquatic Chronic 3), H361 (Repr. 2)	OK				This substance is hazardous and off gases to the air however is necessary for the product to function correctly. The manufacturing facility has WHS and policy and an EMS in place which minimises risks. It is a VOC compound. The product total VOC has been calculated and is within the GBCA guidelines. It is recommended to avoid fumes when applying the product. This substance is mainly off gassed during the original hardening phase reducing risk to users. Recycled Content: None Nano Materials: None
Material: Plasticizer								
Potassium methylsilanetriolate	31795-24-1	1-5%	H314 (Skin Irrit. 1)	OK				This substance is hazardous in its raw form. The manufacturing facility has WHS and policy and EMS in place which minimises risks. It is a small proportion of the final product and is transformed during production, reducing risks during installation. During use it is bonded and hardened and not identified as a hazard during use. Recycled Content: None Nano Materials: None
Water	7732-18-5	0.01-1%	None	OK				This substance has no hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Proprietary	Additive	0.01-1%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Material: Defoamer								
Proprietary	Solvent	0.01-1%	H350 (Carc. 1B)	OK				This substance is hazardous as it is a potential cancer risk The manufacturing facility has WHS policy and EMS in place to reduce risks. it is recorded to wear PPE during installation reducing risks during and is evaporated during installation thus is not deemed hazardous when dry. Additionally this product has been tested for VOC emissions which are withing the GBCA guidelines. . Recycled Content: None Nano Materials: None
Proprietary	Solvent	0.01-1%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Alcohols, C9-11-iso-, C10-rich, ethoxylated, polymers with epichlorohydrin	875779-24-1	0.01-1%	H412 (Aquatic Chronic 3)	OK				This substance is hazardous to the environment and skin. The manufacturing facility has WHS policy and EMS in place to reduce risks. It is a small proportion of the final product, reducing risks during installation and is bonded and not deemed hazardous when dry minimising risks to users. Recycled Content: None Nano Materials: None
Proprietary	Defoamer	0.01-1%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Material: Surfactant								

1-Heptanol, 2-propyl- , 7EO	160875-66-1	0.01-1%	H318 (Eye Dam. 1), H302 Acute Tox. 4 (Oral)), H315 (Skin Irrit. 2,) H319 (Eye Dam. 2A), H335 (STOT SE 3 (Resp.)), H411 (Aquatic Chronic 2, H412 (Aquatic Chronic 3)	OK				This substance is hazardous as it is a potential cancer risk The manufacturing facility has WHS policy and EMS in place to reduce risks. it is recorded to wear PPE during installation reducing risks during and is evaporated during installation thus is not deemed hazardous when dry. Additionally this product has been tested for VOC emissions which are withing the GBCA guidelines. . Recycled Content: None Nano Materials: None
Proprietary	Solvent	<1%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Material: Surfactant								
Poly(oxy-1,2-ethanediyl), α-isodecyl-ω-hydroxy-	61827-42-7	0.01-1%	H318 (Eye Dam. 1), H302 Acute Tox. 4 (Oral)), H315 (Skin Irrit. 2,) H319 (Eye Dam. 2A), H412 (Aquatic Chronic 3)	OK				This substance is hazardous to eyes skin and lungs. The manufacturing facility has WHS policy in place to minimise risks. It is suspended in the paint and is a small proportion of the final product, reducing risks during installation. Users are not expected to be exposed to risks as the substance is embedded in the hardened product during use. Recycled Content: None Nano Materials: None
Proprietary	Solvent	<1%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Material: Surfactant								
Water	Solvent	0.01-1%	None	OK				This substance has no hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Proprietary	dispersant	0.01-1%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Material: Rheology Modifier								
Water-soluble cellulose ether	Rheology Modifier	0.01-1%	None	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Proprietary	Additives	0.01-1%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Water	Solvent	0.01-1%	None	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Material: Rheology Modifier								
Proprietary	Polyurethane resin	15-30%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Proprietary	Modified Starch	5-15%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one	55965-84-9	<0.01%	H330 (Acute Tox. 2) H310 (Acute Tox. 2) H301 (Acute Tox. 3) H314 (Skin Corr. 1C) H318 (Eye Dam. 1) H317 (Skin Sens. 1A H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				This substance is a biocide and is below the threshold of this assessment It isis hazardous to eyes, skin and aquatic environments. It is necessary to extend the life of the product. The manufacturing facility has WHS policy and an EMS in place which minimises risks to workers and the environment. It is present at levels accepted by GBCA which reduces risks to acceptable levels. During use it is embedded and hardened and is not expected to have significant exposure to users. Recycled Content: None Nano Materials: Unknown
Material: Biocide								

Water	Polyurethane resin	15-30%	None declared	OK				This solvent has no hazards with no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
3-iodo-2-propynyl butyl-carbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	Modified Starch	5-15%	H331 (Acute Tox. 3) H302 (Acute Tox. 4) H372 (STOT RE 1 (larynx)) H318 (Eye Dam. 1) H317 (Skin Sens. 1_ H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				This substance is a biocide and is hazardous to eyes skin and aquatic environments. It is necessary to extend the life of the product. The manufacturing facility has WHS policy and an EMS in place which minimises risks to workers and the environment. It is a small proportion of the final product and is not expected to be ingested, reducing risks during installation. During use it is embedded and hardened and is not expected to have significant exposure to users. Recycled Content: None Nano Materials: Unknown
Proprietary	55965-84-9	<0.01%	None declared	OK				This substance has no declared hazards. It has no identifiable risks during manufacturing, installation or use. Recycled Content: None Nano Materials: Unknown
Material: pH Modifier								
Sodium hydroxide; caustic soda	1310-73-2	15-30%	H314 (Skin Corr. 1A)	OK				This substance is hazardous to inhale but occurs naturally and is present in the environment in high amounts. The manufacturing facility has WHS policy in place to reduce risks to workers. This is suspended in a liquid product reducing risks during installation. The product is hardened once applied and the material is embedded minimising risk to users. Recycled Content: None Nano Materials: Yes

WHS - Workplace Health and Safety
GBCA - Green Building Council Australia
EMS - Environmental Management System
VOC - Volatile Organic Compounds

Comments:
This product's VOC content has been theoretically calculated to be 1.2 - 1.5g / L by Haymes Paints on the 28th November 2022 using the calculation method prescribed by Green Building Council Australia.