GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

Global GreenTag CertTM Certified
PLATINUM HEALTH
HealthRate™

RLA Polymers Pty Ltd

RLA Ceramic Tiling Adhesives

RLA Polymers Ceramic Tiling Adhesives are cement-based adhesives designed for the installation of ceramic tiles, porcelain, and natural stone on walls and floors. The product is suitable for commercial and residential use.

Products/Ranges:	Multiple
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Adhesives, Finishes, Moisture Protection
CSI Masterformat:	09 30 50, 09 05 16
Licenced Site/s:	VIC, NSW, WA, SA & QLD Australia
Licence Number:	RLA:AD03:2025:PH
Licence Date:	23 January 2025
Valid To:	23 January 2027
Standard:	GGT International v4.1
Screening Date:	12 December 2024
PHD URL:	www.globalgreentag.com/certificate/2895/

RLA POLYMERS

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 3); Feature 25 (Part 2) , 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 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

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
Portland cement	65997-15-1	50-70%	H315, H318, H335, H317, H319, H351, H372	OK				The substance may cause eye damage, skin irritation and respiratory irritation. The manufacturing facility has OHS policies in place to mitigate the risks during manufacturing stage. The workers are recommended to use Health and Safety equipments like PPE during the installation stage. The substance once cured is less harmful to humans, and it is covered with corresponding floor covering which will reduce the exposure to end users. Recycled Content: Unknown Nano Materials: Unknown
Limestone	1317-65-3	30-50%	H315, H318, H319, H335, H350, H372	OK				The substance may cause eye damage, skin irritation and respiratory irritation. The manufacturing facility has OHS policies in place to mitigate the risks during manufacturing stage. The workers are recommended to use Health and Safety equipments like PPE during the installation stage. The substance once cured is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Silicondioxide	14808-60-7	50-70%	IARC 1	OK				The substance is carcinogenic to humans. It is essential to use proper Health & safety equipemts while using this substance. The manufacturing facility has OHS policies in place to reduce risks. It is recommended to use personal protection equipment during the installation stage. The substance is cured and embedded in the final product. In this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Cellulose substances	Proprietary	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Cellulose	9032-42-2	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Acetic acid ethenyl ester, polymer with ethene	124937-78-8	1-5%	H351, H317, H319, H315	OK				The substance may cause eye or skin irritation. The manufacturing facility has OHS policies in place to mitigate the risks during manufacturing stage. There are no identifiable risks associated with this substance to the end user. Recycled Content: Unknown Nano Materials: Unknown
Kaolin	1332-58-7	1-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Polymer	Proprietary	01-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Calcium diformate	25213-24-5	0.01-1%	H318	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown

Acetic Acid Ethenyl Ester co-Polymer with Ethenol	65996-69-2	0.01-1%	H319, H302, H312, H332, H371	OK				This substance may cause serious eye irritation.The risks can be mitigated with proper health and safety policies in place. The manufacturing facilities has OHS olicies in place to reduce the risks. The substance is embedded in the final product, hence no risks for end users. Recycled Content: Unknown Nano Materials: Unknown
methanol	67-56-1	<0.01%	H225, H331, H311, H301, H370	OK				The substance is suspected to be carcinogenic. It is toxic if swallowed, or inhaled and may lead to damage in organs. The manufacturing facility has OHS in place to reduce risks during this stage. The substance will evaporate once applied and the exposure risks to end users are unlikely after curing. Recycled Content: Unknown Nano Materials: Unknown
Glass, oxide, chemicals	Filler	0.01-1%	H350	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Sodium Acetate	127-09-3	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Cellulose, 2-hydroxyethyl methyl ether	9004-65-3	0.01-1%	H372					There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Water	7732-18-5	0.01-1%	None					There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Carbon Black	1333-86-4	5-15%	IARC 2B	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Rubber crumb	Proprietary	5-15%	None declared	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Perlite	93763-70-3	5-15%	H319, H335, H315, H372	OK				The substance may cause serious eye, respiratory or skin irritation. The manufacturing facility has OHS policies in place to reduce the risks. The substance is embedded in the final product. In this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Light weight filler substances	Proprietary	0.01-1%	None declared	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Redispersible polymer cellulose	9032-42-2	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Redispersible polymer	Processing aid	0.01-1%	H225, H319	OK				The substance may cause eye irritaion. The manufacturing factory has OHS policies and procedures in place to reduce the risks. The substance is cured after application, and is stable in the final matrix. In this stage, exposure to end users are unlikely. Recycled Content: None Nano Materials: Unknown

Redispersible polymer	Impurity	1-5%	H225,H319,H332,H335,H226,H314,H225,H319,H336	OK				The substance may cause eye, skin or respiratory irritaion. It is harmful if inhaled. The manufacturing factory has OHS policies and procedures in place to reduce the risks. The substance is cured after application, and is stable in the final matrix. In this stage, exposure to end users are unlikely. Recycled Content: Unknown Nano Materials: Unknown

GHS H-Statement classification:

H225: Highly flammable liquid and vapor
H226: Flammable liquid and vapour
H301: Toxic if swallowed
H302: Acute Toxicity 4- Oral
H311: Toxic in contact with skin
H314: Skin Corrosion 1B
H315: Skin Irritation 2
H317: Skin Sensitising 1
H318: Eye Damage 1
H319: Eye Irritation 2
H331: Acute Toxicity 3- Inhalation
H332: Acute Toxicity 4- Inhalation
H335: Specific target organ Single Exposure 3, Lungs/ Respiratory
H350: Carcinogenicity 1B
H351: Carcinogenicity, Category 2
H370: Specific Target Organ Toxicity - Single Exposure, Category 1
H371: Specific Target Organ Toxicity - Single Exposure, Category 2
H372: Specific Target Organ Toxicity - Repeated Exposure, Category 1
H373: Specific target organ repeated, Auditory system

IARC classification:
IARC 1: Carcinogenic to humans
IARC 2B: Possibly carcinogenic to humans

Comments:
The certified product range includes:

RLA Mastik Ceramic Tiling Adhesive	RLA Add Flextra Ceramic Tiling Adhesive	RLA Unilite S1 Tiling Ceramic Adhesive	RLA Unilite S2 Tiling Ceramic Adhesive

VOC Emissions: TVOC emission g/l for the final product is <50g/l which is the Max TVOC content in g/l for ready to use product. VOC test conducted as per ASTM D3690-05 Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings and is conducted by FORAY Laborateries (NATA Accreditation 1231).