








Karndeane Mega-Bond[®] is a permanent bond, water based adhesive that is solvent-free and odourless, incorporating a polymer acrylic sealer to give good initial grab and excellent open time. Karndeane Hi-Tack Pressure Sensitive Adhesive is a low odour, solvent-free, pressure-sensitive adhesive specifically designed for installing loose lay LVT.

PHD URL:

<https://www.globalgreentag.com/certificate/2887>



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, 2, 3, 4, 5); 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 ~ 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.

Category	High Hazard	Medium Hazard	Low Hazard	Not Disclosed
INGREDIENT HAZARD DISCLOSURE	21.75%	1.29%	0.89%	76.07%
RISK ASSESSMENT	21.56%	0%	78.44%	0%
IN USE HEALTH (INCL VOCS): HEALTHRATE	0%	0%	100%	0%

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
Reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one	55965-84-9	<0.01%	H330, H310, H301, H314, H318, H317, H400, H410	OK	<div></div>	<div></div>	<div></div>	The substance may cause eye or skin irritation. The manufacturing facility has OHS in place to reduce risks. The substance is cured after application. In this stage there are no identifiable risks associated with this substance for end users. Recycled Content: Unknown Nano Materials: Unknown
Biocide	2682-20-4	<0.01%	H330, H311, H301, H314, H318, H317, H400, H410	OK	<div></div>	<div></div>	<div></div>	The unreacted substance is harmful if inhaled, is toxic if swallowed or in contact with skin, and to aquatic life with long lasting effects. The manufacturing facility has OHS policies and Environmental Management system in place to reduce the risks. The substance in the final product is cured and bounded to the matrix. In this stage it is less harmful to humans. Recycled Content: Unknown Nano Materials: Unknown
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	2634-33-5	<0.01%	H302, H315, H318, H317, H400	OK	<div></div>	<div></div>	<div></div>	The unreacted substance is harmful if inhaled, is toxic if swallowed or in contact with skin, and to aquatic life with long lasting effects. The manufacturing facility has OHS policies and Environmental Management system in place to reduce the risks. The substance in the final product is cured and bounded to the matrix. In this stage it is less harmful to humans. Recycled Content: Unknown Nano Materials: /Unknown
Polymer substances	Proprietary	70-85%	None	OK	<div></div>	<div></div>	<div></div>	There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Acrylic Thickener	Proprietary	5-15%	None	OK	<div></div>	<div></div>	<div></div>	There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Glycol	111-46-6	0.01-1%	H302	OK	<div></div>	<div></div>	<div></div>	This substance is harmful if swallowed. The manufacturing facility has OHS policies in place to reduce the risks. The substance in the final product is cured. In this state it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Poly(oxy-1,2-ethanediyl), α-[bis(1-phenylethyl)phenyl]-ω-hydroxy-	9086-52-6	0.01-1%	H411, H315, H319	OK	<div></div>	<div></div>	<div></div>	The substance may cause eye or skin irritation. The manufacturing facility has OHS policies and Environmental management system in place to reduce risks. The substance is cured after application. In this stage the risks associated with this substance for end users is low. Recycled Content: Unknown Nano Materials: Unknown
Polychloro copper phthalocyanine	1328-53-6	0.01-1%	None	OK	<div></div>	<div></div>	<div></div>	There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown

Pigment	Proprietary	0-5%	H302, H315, H318, H400, H317, H331, H317, H410, H335	OK				The substance may cause eye or skin irritation. It is harmful to aquatic organisms. The manufacturing facility has OHS and EMS policies in place to reduce the risks. There are no identifiable risks associated with this substance to the end user. 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
Water	7732-18-5	15-30%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Resin	Proprietary	5-15%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Cellulose, 2-hydroxypropyl methyl ether	9004-65-3	5-15%	H372	OK				The unreacted substance may cause damage to organs with repeated exposure. The manufacturing facility has OHS policies to reduce these risks. The substance is cured in the final product forms a stable film, which will reduce the exposure to end users. In this state it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Sodium chloride	7647-14-5	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Glycerol, propoxylated	25791-96-2	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Glyoxal, ethanedial, 2-oxoethanal	107-22-2	0.01-1%	H341, H332, H315, H319, H317	OK				The substance may cause eye or skin irritation. The manufacturing facility has OHS and EMS policies in place to reduce the risks. There are no identifiable risks associated with this substance to the end user. Recycled Content: Unknown Nano Materials: Unknown
Gum Rosin	8050-09-7	1-5%	H317	OK				The unreacted substance may cause skin irritation. The substance is cured in the final product. In this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Solvent	64742-47-8	1-5%	H304	OK				This substance may be fatal if swallowed and enters airways. 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 is embedded in the final product. In this stage it is less harmful to humans. Recycled Content: Unknown Nano Materials: Unknown
Clay	1302-87-0	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown

Biocide 2	Proprietary	0.01-1%	H318,H317,H412	OK				The unreacted substance may cause eye or skin irritation. The manufacturing facility has OHS and EMS policies in place to reduce the risks. There are no identifiable risks associated with this substance to the end user. Recycled Content: Unknown Nano Materials: Unknown
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	1-5%	H319	OK				The unreacted substance may cause eye irritation. The manufacturing facility has OHS policies in place to reduce the risks. There are no identifiable risks associated with this substance to the end user. Recycled Content: Unknown Nano Materials: Unknown
Surfactant	166736-08-9	0.01-1%	H318, H302, H315, H412, H319	OK				The substance may cause eye or skin irritation. it is toxic to aquatic organisms. The manufacturing facility has OHS and EMS policies in place to reduce the risks. It is recommended to use safety equipments during application. The substance in cured and solidified after application. In this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Oleic acid, ethoxylated	9004-96-0	0.01-1%	H319, H315, H412, H302	OK				The substance may cause eye or skin irritation. it is toxic to aquatic organisms. The manufacturing facility has OHS and EMS policies in place to reduce the risks. It is recommended to use safety equipments during application. The substance in cured after application. In this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Dispersing agent	Proprietary	70-85%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown

GHS H-Statement classification

H228: Water reaction 2
 H261: Flammable Solid 1
 H302: Acute Toxicity 4
 H314: Skin Corrosion 1B
 H315: Skin Irritation 2
 H317: Skin Sensitising 1
 H318: Eye Damage 1
 H319: Eye Irritation 2
 H331: Acute Toxicity 3
 H332: Acute Toxicity 4
 H335: Specific target organ Single Exposure 3, Lungs/ Respiratory
 H340: Germ cell mutagenicity
 H350: Carcinogenicity 1B
 H360: Reproductive Toxicity 1B
 H373: Specific target organ repeated, Auditory system
 H411: Aquatic Acute 1/ Aquatic Acute Chronic 2
 H412: Aquatic Acute 1/ Aquatic Acute Chronic 3

IARC classification:

IARC 1: Carcinogenic to humans
 IARC 3: Suspected to be Carcinogenic to humans

Comments:

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 as per GBCA requirements. 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 Laboratories (NATA Accreditation 1231).