GLOBAL GREEN TAG INTERNATIONAL PTY LTD

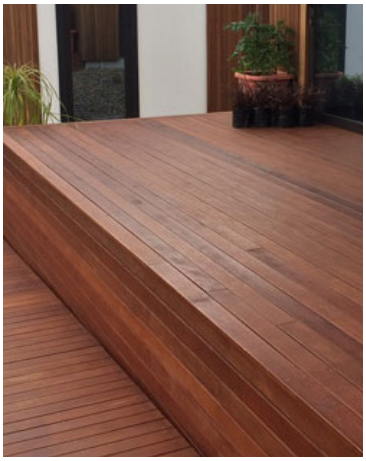
PHD™
Product Health Declaration

Global GreenTag CertTM Certified
PLATINUM HEALTH
HealthRate™

Koppers Performance Chemicals

MicroPro® Wood Treatment Technology

Koppers' MicroPro® Wood Treatment Technology is a micronized copper azole (MCA) based preservative applied to wood by a pressure impregnation process.
MicroPro® treated wood can be used for a variety of applications including decks, fences, landscaping, fresh water docks, agricultural and general construction uses.



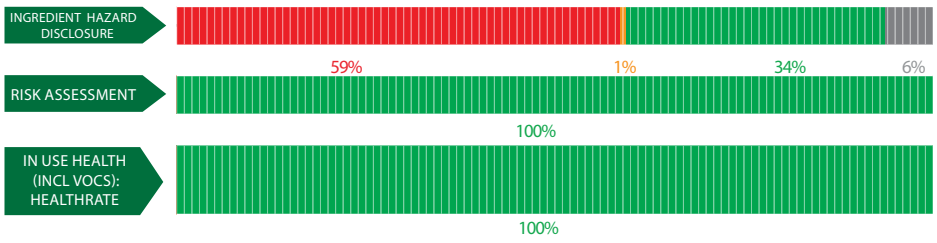
Products/Ranges:	MicroPro® Wood Treatment Technology
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Long-Term Wood Treatment
CSI Masterformat:	06 05 73.91
Licenced Site/s:	Millington USA
Licence Number:	KOP:MI01:2025:PH
Licence Date:	18th August 2021
Valid To:	11th September 2027
Standard:	GGT International v4.1
Screening Date:	25th November 2025
PHD URL:	https://www.globalgreentag.com/certificate/1535

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 11 (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 ~ X06 (Part 2); 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 GreenTag 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 Assess-ment	In Use Health Assessment	Comment
Copper Carbonate								
Copper Carbonate	12069-69-1	50-70%	H332 (Acute Tox. 4), H302 (Acute Tox. 4), H319 (Eye Irrit. 2), H400 (Aquatic Acute 1), H410 (Aquatic Chronic 1)	OK				The concentration is transferred via a pipe into tanks through a computer controlled flow meter measuring system to eliminate any human exposure. The highly diluted solution is used to treat the wood in an enclosed pressure rated vessel. The exposure risk is significantly reduced, and is considered safe in use.
Proprietary	fungicide	1-5%	None	OK				No hazards were declared in "Substance Declaration" by the manufacturer.
Water								
Water	7732-18-5	30-50%	None	OK				No hazards to end users.
Tebuconazole								
Tebuconazole	107534-96-3	1-5%	H302 (Acute Tox. 4), H400 (Aquatic Acute 1), H410 (Aquatic Chronic 1) H361d (Repr. 2)	OK				Acceptable Exposure Level (AEL) medium and long term is 0.03mg/kg body weight per day according to WHO. Tebuconazole is diluted at 0.04% concentration in final use. The wood treatment is predominantly used for decks, fences, lanscaping, fresh water docks, agricultural and other general construction uses. Toddler's hand-to-mouth behaviour and dermal contact may be a concern when it is applied to an uncoated decking. In a coated decking the Tebuconazole will not be accessible to the end-user.
Proprietary	Fungicide	0.01-1%	None	OK				No hazards were declared by the manufacturer.
Pigment Dispersant								
Proprietary	Additives	1-5%	None	OK				No hazards were declared in "Substance Declaration" by the manufacturer.
Polymeric Dispersant								
Proprietary	Additives	0.01-1%	None	OK				No hazards were declared by the manufacturer.
Calcium Nitrite								
Calcium Nitrite	13780-06-8	0.01-1%	H301 (Acute Tox. 3), H318 (Eye Dam. 1)	OK				The concentration is transferred via a pipe into tanks through a computer controlled flow meter measuring system to eliminate any human exposure. The highly diluted solution is used to treat the wood in an enclosed pressure rated vessel. The exposure risk is significantly reduced, and is considered safe in use.

Calcium Nitrite	10124-37-5	0.01-1%	H272 (Ox. Sol. 3) H302 (Acute Tox. 4 (Oral)) H318 (Eye Dam. 1)	OK				The concentration is transferred via a pipe into tanks through a computer controlled flow meter measuring system to eliminate any human exposure. The highly diluted solution is used to treat the wood in an enclosed pressure rated vessel. The exposure risk is significantly reduced, and is considered safe in use.
Proprietary	Corrosion inhibitor	1-5%	None	OK				No hazards were declared in "Substance Declaration" by the manufacturer.
Wetting & Dispersing Additive								
Proprietary	Additive	1-5%	None	OK				No hazards were declared in "Substance Declaration" by the manufacturer.

Comments:
1) The percentage of each ingredient assessed in this Product Health Declaration is in concentrate form.
2) Dust mask and goggles are required when cutting or sanding timber.
3) Preserved timber may be disposed of in landfills or burned in commercial or industrial incinerators or boilers.
4) The product receives UL GreenGuard certification for low VOC emission (0.22 mg/m3)