



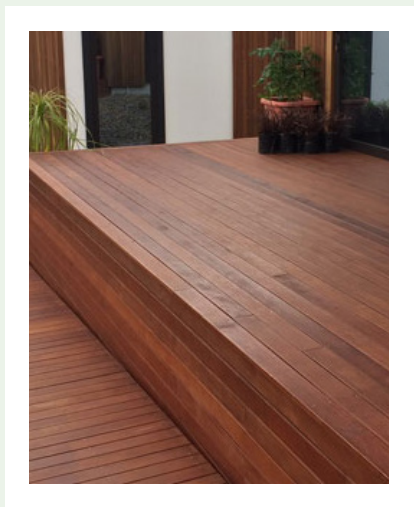
Koppers Performance Chemicals

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. Wood products treated with the MicroPro® preservative technology provide protection against fungal decay, insect attack and termites.

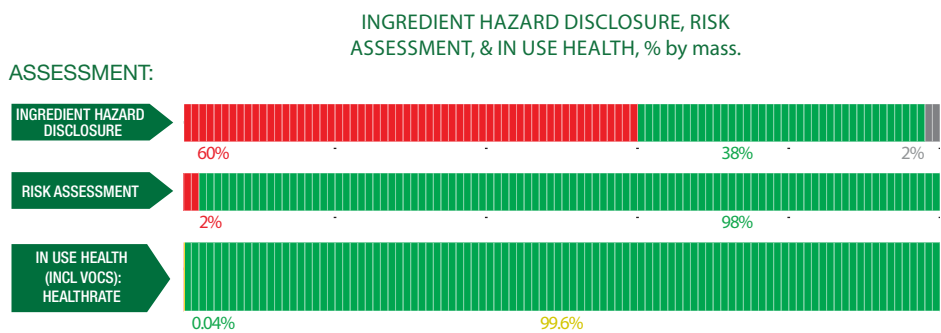
Products/Ranges:	MicroPro® Wood Treatment Technology
Product Stages Assessed:	Raw materials, manufacturing, in use
CSI Masterformat:	06 05 73.91 Long-Term Wood Treat-
Licensed Site/s:	Millington USA
Licence Number:	KOP- 001-V1-2018
Licence Date:	11th September 2018
Valid To:	11th September 2021
Standard:	GGT International v4.0
Screening Date:	1st September 2018
PhD URL:	http://www.globalgreentag.com/wp-content/uploads/2019/07/190726_KOP_MicroPro-wood-treatment_PhD_V3.pdf

This PhD ceases currency when original GreenTag GreenRate/LCARate certification expires or is revoked. Please check www.globalgreentag.com for currency. [Note disclaimer over.](#)



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

- GreenTag Banned List Compliant
- Contributes towards satisfying Feature 26 Enhanced Material Safety Part 1 Precautionary Material Selection, and Feature 97: Material Transparency Part 1 Material Information, under the WELL Building Standard™
- Low worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- Low user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- Low environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors



Declared by:
Global GreenTag
International Pty Ltd

David Baggs
CEO & Program Director
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 risk 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 each homogeneous ingredient 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) rating relates ONLY to GGT Standard Sustainability Assessment Criteria 3, and is declared separately to the overall Bronze, Silver, Gold or Platinum Green Tag Certification Mark Tier Levels.

1.2 Preparing an PHD

GGT PhDs are prepared using Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and as an outcome of a successful Application for 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 GGT International Standard v4.0, Personal Products Standard v1.0, and Cleaning Products Standard v1.0 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 Australian 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, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	Ideal- Low No Comment required
Yellow	Medium to Low No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	Moderate 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%
Red	Problematic (Red): Target for Phase 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1%
Grey	Uncategorised Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients POPs, SVHCs plus a wide range of compounds depending on specific Standard requirements

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	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Copper Carbonate							
Copper Carbonate	12069-69-1	40-60%	Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 2, Eye Irrit. 2, Skin Irrit. 2, STOT SE 3				<p>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.</p> <p>According to US EPA's leaching test and wipe test, the leaching rate is as low as 5% of total Copper Carbonate in the dilution. The intake/absorption of copper carbonate is far below the limit. The risk is significantly reduced, and is considered safe in use.</p> <p>Recycled Content: Unknown Nanomaterials: No</p>
Water							
Water	7732-18-5	20-40%	None				<p>Recycled Content: Unknown Nanomaterials: No</p>
Dispersant 1							
Proprietary	Additive	1-10%	None				<p>No hazards were declared in "Substance Declaration".</p> <p>Recycled Content: Unknown Nanomaterials: Unknown</p>
Calcium Nitrite 30% water solution							
Proprietary	Unknown	0.5-1.5%	None				<p>No hazards were declared in "Substance Declaration".</p> <p>Recycled Content: Unknown Nanomaterials: Unknown</p>
Proprietary	Corrosion inhibitor	0.1-1%	Acute Tox. 3, Eye Irrit. 2				<p>The extremely low concentration of corrosion inhibitor in dilution has negligible risk.</p> <p>Recycled Content: Unknown Nanomaterials: Unknown</p>
Tebuconazole							
Tebuconazole	107534-96-3	1-2%	Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Repr. 2, End. Disr. cat.3,				<p>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, Toddler's hand-to-mouth behaviour and dermal contact may be a concern in use.</p> <p>Recycled Content: Unknown Nanomaterials: Unknown</p>
Dispersant 2							
Proprietary	Additive	0.1-1%	None				<p>No hazards were declared in "Substance Declaration".</p> <p>Recycled Content: Unknown Nanomaterials: Unknown</p>

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.