



Knauf Gypsum Pty Ltd

Mineral Fibre Ceiling Tiles

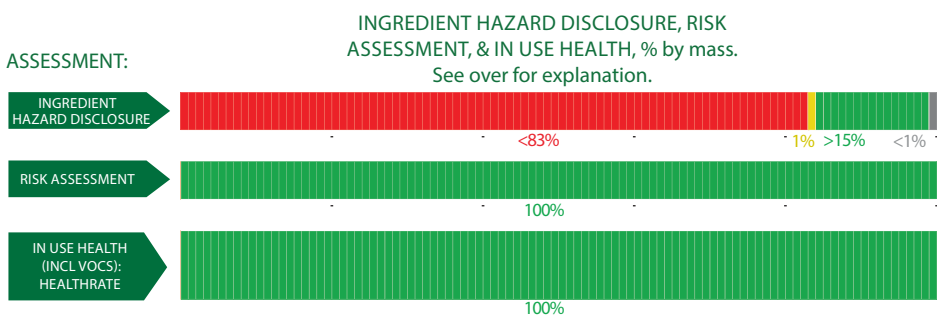
Olympia Micro™ ClimaPlus™, Olympus Max™ ClimaPlus™, Radar™ ClimaPlus™, Impression™ ClimaPlus™, Impression™ High NRC ClimaPlus™, Impression™ High NRC/CAC ClimaPlus™, Mars™ ClimaPlus™ are wet felted mineral fibre ceiling tiles with non-directional pattern, high durability and low VOC emission, which offer fast, efficient installation.

Products/Ranges:	Mineral Fibre Ceiling Tiles
Product Stages Assessed:	Whole of life and in-use
Product Type:	Ceiling Tiles
CSI Masterformat:	09 50 00
Licenced Site/s:	Dachang China
Licence Number:	USG:PP01:2021:PH
Licence Date:	6th December 2021
Valid To:	6th December 2024
Standard:	GGT International v4.0
Screening Date:	6th December 2021
PHD URL:	https://www.globalgreentag.com/certificate/2057/



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
- 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 5); Feature 11 (Part 1); Feature 25 (Part 2, 4) , 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 1); X05 (Part 1, 2); 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.



Declared by:
Global GreenTag
International Pty Ltd

David Baggs
CEO & Program Director
Verified compliant with:
ISO 14024 & ISO 17065

11.0 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:

- substances used or created during the manufacturing process unless they remain in the final product; or
- 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	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Material: Slag Wool Fiber							
Slag Solution	Slag Solution	10%-90%	H317 (Carc. 2)				During manufacturing, this ingredient may sensitize the skin, eyes and respiratory systems. It is bound and encapsulated in the final product and not expected to cause harm to the end-user. Recycled Content: None Nanomaterials: No
White Mineral Oil	8042-47-5	2%-18%	H304 (Asp. Tox. 1), H413 (Aquatic Chronic 4), H319 (Eye Irrit. 2), H332 (Acute Tox. 4)				White mineral oil is bound in the product and not harmful to the end-user. Recycled Content: None Nanomaterials: No
Material: Expanded Perlite							
Perlite, Expanded	93763-70-3	0-75%	H319 (Eye Irrit. 2), H335 (STOT SE 3), H315 (Skin Irrit. 2)				Perlite is generally a natural volcanic glass which may only be harmful if ingested or inhaled if not bound in the product. However, this ingredient is bound in the product and not harmful to the user of the ceiling product. Recycled Content: None Nanomaterials: No
Material: Cellulose, 2-hydroxyethyl ether							
Hydroxyethyl Cellulose	Thickner	1%-25%	H335 (Skin Irrit. 2), H319 (Eye Irrit. 2)				Hydroxyethyl Cellulose is bound in the product and is not harmful to the end-users. Recycled Content: None Nanomaterials: No
Material: Starch							
Starch	9005-25-8	5%-15%	H320 (Eye Irrit. 2), H332 (Acute Tox. 4)				The starch is bound in the ceiling product and is not harmful as it is not released when the product is in use. Recycled Content: None Nanomaterials: No
Material: Kaolin							
Kaolin, calcined	Paint filler	0-15%	H320 (Eye Irrit. 2), H332 (Acute Tox. 4)				During manufacturing, this ingredient can irritate the eyes and respiratory systems. However, once reacted in the final product, this substance is not expected to cause harm to the end-user. Recycled Content: None Nanomaterials: No
Material: Limestone or Dolomite 0-10							
Calcium carbonate	1317-65-3	0-10%	H315 (Skin Irrit. 2), H318 (Eye Dam. 1), H319 (Eye Irrit. 2)				The limestone even though had irritating characteristics, it is bound in the product. This ingredient is not harmful to the end-user. Recycled Content: None Nanomaterials: No
Material: Vinyl Acetate Polymer or Ethylene Vinyl Acetate							
Proprietary	Vinyl Acetate Polymer or Ethylene Vinyl Acetate	1.1%	*				Unknown substance is used. However, as there is no hazard declared, it is not expected to cause any harm to the end-user.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Water	7732-18-5	0.094%	None				Recycled Content: None Nanomaterials: No
2-methyloxirane	9003-11-6	0.04%	H 412 (Aquatic Chronic 3), H315 (Skin Irrit. 2), H319 (Eye Irrit. 2)				The substance can release to the air and cause eye and respiratory tract irritation. However it is bound and encapsulated in the final product and not expected to cause harm to the end-user. Recycled Content: None Nanomaterials: No
Material: Glass Fiber (MARS™ ClimaPlus™ only)							
Glass, oxide, chemicals	65997-17-3	0-2%	H351 (Carc. 2)				During manufacturing, this ingredient may sensitize the skin, eyes and respiratory systems. It is bound and encapsulated in the final product and not expected to cause harm to the end-user. Recycled Content: None Nanomaterials: No

* No GHS H-Statement classification

Comments:

VOC emissions: Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: "Building Product Disclosure and Optimisation - Material

Ingredients" - Option 1: Material Ingredient Reporting and Option 2 - International ACP - REACH Optimisation.

VOC content: VOC g/L for USG Boral's China made mineral fibre ceiling tiles is < 0.5mg/m2/hr as shown in the test reports. The test method used: ASTM D5116 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products". Test conducted in April and September 2021 (Tested by Setsco Services Pte Ltd).

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Perlite, Expanded	93763-70-3	0-75%	H319 (Eye Irrit. 2), H335 (STOT SE 3), H315 (Skin Irrit. 2)				Perlite is generally a natural volcanic glass which may only be harmful if ingested or inhaled if not bound in the product. However, this ingredient is bound in the product and not harmful to the user of the ceiling product. Recycled Content: None Nanomaterials: No
Material: Cellulose, 2-hydroxyethyl ether							
Hydroxyethyl Cellulose	Thickner	1%-25%	H335 (Skin Irrit. 2), H319 (Eye Irrit. 2)				Hydroxyethyl Cellulose is bound in the product and is not harmful to the end-users. Recycled Content: None Nanomaterials: No
Material: Starch							
Starch	9005-25-8	5%-15%	H320 (Eye Irrit. 2), H332 (Acute Tox. 4)				The starch is bound in the ceiling product and is not harmful as it is not released when the product is in use. Recycled Content: None Nanomaterials: No
Material: Kaolin							
Kaolin, calcined	Paint filler	0-15%	H320 (Eye Irrit. 2), H332 (Acute Tox. 4)				During manufacturing, this ingredient can irritate the eyes and respiratory systems. However, once reacted in the final product, this substance is not expected to cause harm to the end-user. Recycled Content: None Nanomaterials: No
Material: Limestone or Dolomite 0-10							
Calcium carbonate	1317-65-3	0-10%	H315 (Skin Irrit. 2), H318 (Eye Dam. 1), H319 (Eye Irrit. 2)				The limestone even though had irritating characteristics, it is bound in the product. This ingredient is not harmful to the end-user. Recycled Content: None Nanomaterials: No
Material: Vinyl Acetate Polymer or Ethylene Vinyl Acetate							
Proprietary	Vinyl Acetate Polymer or Ethylene Vinyl Acetate	1.1%	*				Unknown substance is used. However, as there is no hazard declared, it is not expected to cause any harm to the end-user.
Water	7732-18-5	0.094%	None				Recycled Content: None Nanomaterials: No
2-methyloxirane	9003-11-6	0.04%	H 412 (Aquatic Chronic 3), H315 (Skin Irrit. 2), H319 (Eye Irrit. 2)				The substance can release to the air and cause eye and respiratory tract irritation. However it is bound and encapsulated in the final product and not expected to cause harm to the end-user. Recycled Content: None Nanomaterials: No
Material: Glass Fiber (MARS™ ClimaPlus™ only)							
Glass, oxide, chemicals	65997-17-3	0-2%	H351 (Carc. 2)				During manufacturing, this ingredient may sensitize the skin, eyes and respiratory systems. It is bound and encapsulated in the final product and not expected to cause harm to the end-user. Recycled Content: None Nanomaterials: No

