

PHD™

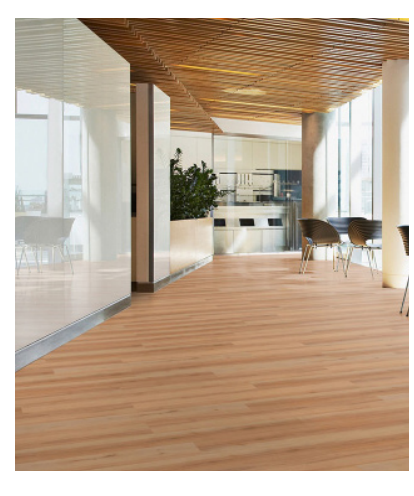
Product Health Declaration

Tarkett Australia Pty Ltd

Topaz 70

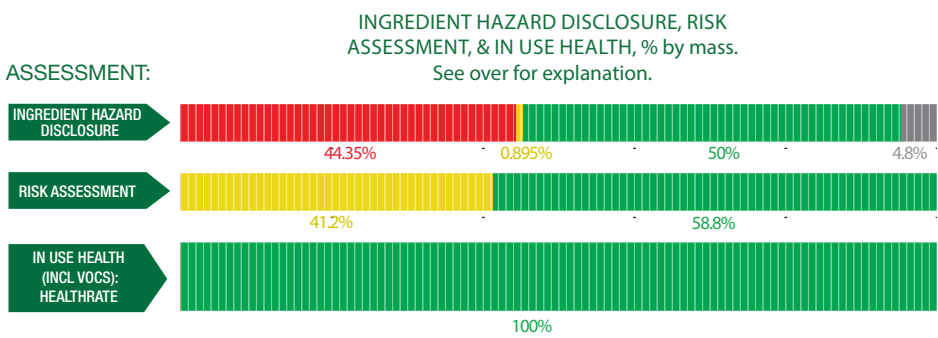
Topaz 70 offers a refined vinyl non slip flooring collection of warm and natural decors in wood, concrete and ceramic designs. Over 50% of the range colors have a LRV (light reflectance value) between 20–40%. Topaz 70 has good acoustic properties with 13dB.

Products/Ranges:	Topaz 70
Product Stages Assessed:	Material Inputs, manufacturing, in-use
Product Type:	Flooring product
CSI Masterformat:	TBC
Licensed Site/s:	Clervaux, Luxembourg
Licence Number:	TAR:TO01:2022:PH
Licence Date:	8th March 2022
Valid To:	8th March 2023
Standard:	GGT International v4.0
Screening Date:	18th January 2022
PHD URL:	https://www.globalgreentag.com/get-file/13067/phd.pdf



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

- GreenTag Banned List Compliant.
- Product Meets Optimisation requirements - No Red Light category ingredient.
- Meets Green Star Buildings v1.0 Credit 9: Responsible Finish, Credit 13: Exposure to Toxins, Green Star Design & As Built v1.3 Credit 13 Indoor Pollutant, Green Star Interiors v1.3 Credit 12: Indoor Pollutant
- Meets WELL™ v1.0 Features 97: Material Transparency, Feature 4: VOC Reduction and, WELL™ v2.0 Features – X07: Material Transparency, X08: Material Optimisation, X06: VOC Restrictions.
- 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.
- No worker, user, and 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 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) 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 v1.0/1.1, and 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 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 & v4.1, WELL v1 & v2, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	Ideal- Low No concerns- ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context'
Yellow	Medium to Low Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context'
Orange	Moderate Hazardous ingredient with "Issue of Concern" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	Problematic (Red): Target for Phase Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	Very Problematic (Dark Red): Target for Phase Very Hazardous ingredient with 'Red Light Exclusion" concern depending on % of the ingredient, hazard level, and relevance to use context'
Grey	Uncategorised Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Petroleum, Parabens plus a wide range of compounds stipulated by cleaning/personal products standards.

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 Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
PVC- Paste	9002-86-2	20-30%	H315(Skin Irrit. 2) H319((Eye Irrit. 2) H335(STOT SE 3) H400(Aquatic Acute 1) H412(Aquatic Chronic 3)	OK				PVC- Paste is toxic to aquatic life with long lasting effects. It causes skin and eye irritation in humans. However, the manufacturer of the product operates under an Environmental Management System and an Occupational Health and Safety System, therefore the risk is considered low. The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to cause harm to the users.
PVC Recycled materials	Base materials	25-35%	None	OK				Recycled Content: Post-I Nanomaterials: No
i-isononyl-cyclohexane-1,2-dicarboxylate	166412-78-8	2-10%	None	OK				Recycled Content: None Nanomaterials: No
Benzoic acid isononyl ester	670241-72-2	1-5%	H411(Aquatic Chronic 2)	OK				Benzoic acid isononyl ester is toxic to aquatic life with long-lasting effects. However, the manufacturer of the product operates under an Environmental Management System and therefore risks is considered low.
1,4-Benzenedicarboxylic acid, 1,4-dibutyl ester	Plasticizer	<1%	None	OK				Recycled Content: None Nanomaterials: No
terephthalic acid, dibutyl ester	1962-75-0	<1%	None	OK				Recycled Content: None Nanomaterials: No
Mixed Esters	Plasticizer	<0.5%	None	OK				Recycled Content: None Nanomaterials: No
Bis(2-ethylhexyl) adipate	103-23-1	1-5%	None	OK				Recycled Content: None Nanomaterials: No
Epoxidised soybean oil	8013-07-08	<1%	H317(Skin Sens 1)	OK				Epoxidised soybean oil can cause skin irritation if contacted. However, the manufacturer has an Occupational Health and Safety System in place, so the risks is considered low in the manufacturing stage. The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to cause harm to the users.
Calcium Carbonate	471-34-1	20-30%	None	OK				Recycled Content: None Nanomaterials: No
Titanium dioxide	13463-67-7	<1%	H351(Carc 2)	OK				Titanium dioxide can be harmful when it is inhaled, and it is classified as possibly carcinogenic to humans. However, as the substance is embedded in the product. Therefore, it is not expected to cause harm to the users.
Azodicarbonamide	123-77-3	1-5%	H334(Resp. Sens. 1)	OK				Azodicarbonamide is processing aid, the substance is not expected to cause harm to the users.
Zinc Oxide	1314-13-2	1-5%	H400(Chron Aq Tox 1) H413(Acute Aq Tox 2)	OK				Zinc oxide is very toxic to aquatic life with long lasting effects. However, the manufacturer of the product operates under an Environmental Management System and therefore risks is considered low.

Glass Tissue	65997-17-3	1-5%	H319(Eye Irrit 2) H350(Carc 1B) H335(STOT SE 3) H315(Skin Irrit 2) H351(Carc 2) H373(STOT RE 2)	OK				The Glass Tissue is irritating to the skin and eye and if inhaled. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage. The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to cause harm to the users.
Polyurethane	Protective coating	1-5%	H317(Skin Sens 1) H319(Eye Irrit. 2)	OK				The Polyurethane is irritating to the skin and eye and if inhaled. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage. The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to cause harm to the users.
Ca/Zn Soap	Stabilizer	<1%	None	OK				Recycled Content: None Nanomaterials: No
Phosphorous acid, triisodecyl ester	25448-25-3	<0.5%	H317(Skin Sens 1)	OK				The Phosphorous acid, triisodecyl ester is irritating to the skin. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage. The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to cause harm to the users.
Benzene, mono-C10-13-alkyl derivs., distr. Residues	84961-70-6	<0.5%	H304(Asp. Tox. 1)	OK				Recycled Content: None Nanomaterials: No
Zinc neodecanoate	27253-29-8	<0.5%	H412 (Aquatic Chronic 3)	OK				Zinc neodecanoate is harmful to aquatic life with long lasting effects. However, the manufacturer of the product operates under an Environmental Management System and therefore risks is considered low.
Zinc benzoate	553-72-0	<0.5%	H319(Eye Irrit 2)	OK				Zinc benzoate is very toxic to aquatic life with long lasting effects and causes serious eye damage. However, the manufacturer of the product operates under an Environmental Management System and therefore risks is considered low. The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to cause harm to the users.
2-(2-Butoxyethoxy) ethanol	112-34-5	<0.5%	H319(Eye Irrit 2)	OK				Recycled Content: None Nanomaterials: No
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	<0.5%	None	OK				Recycled Content: None Nanomaterials: No
Neodecanoic acid, zinc salt, basic	84418-68-8	<0.5%	H412 (Aquatic Chronic 3)	OK				Neodecanoic acid, zinc salt, basic is toxic to aquatic life. However, the manufacturer of the product operates under an Environmental Management System and therefore risks is considered low.
Additives	Processing aids	1-5%	None	OK				Recycled Content: None Nanomaterials: No

Barrier Layer	FT Barrier Layer	1-5%	H317(Skin Sens 1) H319(Eye Irrit 2A)	OK				Barrier Layer s irritating to the skin and eye. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage. The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to casue harm to the users.
1,2-ETHANEDIAMINE, N-[3-(TRIMETHOXYSI-LYL)P ROPYL]-	1760-24-3	<0.1%	H317(Skin Sens 1) H318(Eye Dam 1) H332(Acute Tox 4)	OK				1,2-ETHANEDIAMINE, N-[3-(TRIMETHOXYSI-LYL) PROPYL]- is irritating to the skin and eye and if inhaled. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage.The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to casue harm to the users.
Oxirane, methyl-, polymer with oxirane, mono(3,5,5-trimethyl-hexyl) ether	204336-40-3	<0.1%	H412 (Aquatic Chronic 3)	OK				Oxirane, methyl-, polymer with oxirane, mono(3,5,5-trimethylhexyl) ether is harmful to aquatic life with long lasting effects. However, the manufacturer of the product operates under an Environmental Management System and therefore risks is considered low.
N,N-Bis[3-(trimethoxysilyl)propyl]-1,2-ethanediamine	74956-86-8	<0.1%	H315(Skin Irrit 2) H318(Eye Dam 1) H317(Skin Sens 1)	OK				N,N-Bis[3-(trimethoxysilyl)propyl]-1,2-ethanediamine is irritating to the skin and eye. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage.The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to casue harm to the users.
Méthanol	67-56-1	<0.1%	H301(Acute Tox 3) H226(Flam Liq 2)	OK				Méthanol is irritating to the skin and eye and if inhaled or swallowed. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage.The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to casue harm to the users.
Oligomeres d'aminoalkylmethoxysilanes	Barrier layer	<0.1%	H317(Skin Sens 1) H318(Eye Dam 1)	OK				Oligomeres d'aminoalkylmethoxysilanes is irritating to the skin and eye. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage.The substance is chemically combined into the final product, the hazards will not present in the final product. Therefore, it is not expected to casue harm to the users.
Remaining substances declared by Tarkett	Additives	1-5%	None	OK				Recycled Content: None Nanomaterials: No
CI Pigment Black 7	1333-86-4	<1%	None	OK				Recycled Content: None Nanomaterials: No
CI Pigment Red 176	12225-06-8	<1%	None	OK				Recycled Content: None Nanomaterials: No
CI Pigment Red 166	3905-19-9	<1%	None	OK				Recycled Content: None Nanomaterials: No
CI Pigment Blue 15:3	147-14-8	<1%	None	OK				Recycled Content: None Nanomaterials: No
CI Pigment Yellow 93	147-14-8	<1%	None	OK				Recycled Content: None Nanomaterials: No

COMMENTS:

VOC Emissions : Sum of VOC (TVOC) was below or equal to the limit values of 100ug/m³ after 28 days. The product qualified for the Tarkett Indoor Air Quality Gold label. (Eurofins Certification Body VOC).