

# TARKETT'S GRACE PARQUET Collection



C2C V3.1 ID 5847

Issued to: **TARKETT**  
 Product specifications: Grace (1-strips / 3-strips / Pattern)  
 Issue date: December 12. 2022. Reprint February 23., 2023  
 Expiration date: February 20. 2023. Extended to May 23., 2023  
 Evaluation threshold: At least 100 ppm of the final

After-use scenario: The perspective of the assessment is a target after-use management scenario of Tarkett parquet based on biodegradation or incineration and return of the outcome of this pre-processing to the soil for its reconstruction and fertilization, either directly when the parquet use phase is over or after an interim wood usage cascade.

EPEA Registry No: 40568

MHS Version: 2.0

FUNCTION	WOOD SPECIES		CONTENT	EPEA RATING	COMMENT		
Wood	Oak (Quercus sp.)		≥94%	Green	Spruce, pine and birch build the non-visible middle and bottom layer parts of parquet products whereas the wear layer consists of oak. Raw wood products are obtained from sources in north, central and eastern Europe (neither Belarus nor Russia). Grace products produced with wood certified in accordance with PEFC for 70% by weight (PEFC/ 05-35-125).		
	Pine (Pinus sp.)						
	Spruce (Picea sp.)						
	Birch (Betula sp.)						
FUNCTION	CHEMICAL	CAS OR EC	CONTENT	EPEA RATING	COMMENT	GS-LT GS-BM <sup>(b)</sup>	REACH
Filler and coating chemicals	Propylene glycol	57-55-6	0.02%	Green	The natural material wood can contain small cavities left by dead branches. A filler used to compensate these irregularities consists of mineral components embedded in a UV-curable polyester acrylate resin.  Coating chemicals are based on comparable chemistry. Acrylic acid derivatives, either declared or encompassed within proprietary chemicals, have a sensitization potential as such. This potential gets lost with the polymerization happening in the course of UV curing. No concern in the use phase provided that the polymerization is complete.  The chlorinated nature of this chemical and the reliance on Bisphenol A explain the red rating.	LT-P1	✓
	Ethanol	64-17-5	0.01%	Green		BM2	✓
	Isopropyl alcohol	67-63-0	0.01%	Green		LT-UNK	✓
	2-Propenoic acid, 2-hydroxyethyl ester, polymer with 1,6-diiso-cyanatohexane	78567-28-9	0.03%	Green		N.I.	✓
	Reaction mass of (2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyli)tri-2,1-ethanediyli triacrylate and 2-Propenoic acid, 1,1'-[[[dihydro-5-(2-hydroxyethyl)-2,4,6-trioxo-1,3,5-triazine-1,3(2H,4H)-diyl]di-2,1-ethanediyli] ester	88403-03-6	0.07%	Green		None	✓
	Phenol, 4,4'-(1-methylethylidene) bis-, polymer with (chloromethyl) oxirane, 2-propenoate	55818-57-0	0.01%	Red		None	✓
	reaction mass of: 2-(2-((oxo(phenyl)acetyl)oxy)ethoxy)ethyl oxo(phenyl)acetate	442-300-8	0.02%	Green		LT-UNK	✓
	Propylidynetrimethanol, ethoxylated, esters with acrylic acid	28961-43-5	0.01%	Green		LT-P1	✓
	1,6-Hexandioldiacrylate (HDDA)	13048-33-4	0.01%	Green		LT-P1	✓
	Dipropylene glycol diacrylate	57472-68-1	0.18%	Green		LT-UNK	✓
	1-Butanamine, N-butyl-, reaction products with polyethylene glycol monoacrylate ether with trimethylolpropane (3:1)	195008-76-5	0.01%	Green		LT-P1	✓
	Propoxylated Neopentyl Glycol Diacrylate Esters	84170-74-1	0.07%	Green		LT-P1	✓
	Proprietary	Proprietary 2	0.03%	Green		LT-P1	✓
Acrylic resin	Proprietary 3	0.42%	Green	N.I.	-		
Pigments and fillers	Proprietary 3	0.46%	Green	N.I.	-		

FUNCTION	CHEMICAL	CAS OR EC	CONTENT	EPEA RATING	COMMENT	GS-LT GS-BM <sup>(b)</sup>	REACH
Gluing system	Methanol	67-56-1	≤ 3.7%		The gluing system used is based on polymerization of urea, formaldehyde, and other monomers. A potential for emission of residual formaldehyde is monitored and in line with class A acc. to the French VOC regulations DEVL 1101903D and DEVL1104875A. The level of <u>free</u> formaldehyde added with glue raw materials to the natural free formaldehyde contained in wood is calculated to be less than 10 ppm in the final product.	LT-1	XVII
	Polyvinyl acetate	9003-20-7				LT-UNK	✓
	Aluminium chloride	7446-70-0				LT-P1	✓
	Aluminium nitrate	7784-27-2				LT-P1	✓
	Urea, polymer with formaldehyde	9011-05-6				LT-P1	✓
	Paraffin waxes (petroleum), hydrotreated	8002-74-2				BM4	✓
	Proprietary	Proprietary 2				LT-P1	✓
	Proprietary 3		BM1	✓			
				LT-UNK	✓		
				BM4	✓		
				N.I.	-		
Accessories	Polypropylene	9003-07-0	≤ 0.2%		Plastic accessories used for fixation of parquet planks. Requires specific management after use and collection.	LT-P1	✓
	Glass fibre	65997-17-3				LT-UNK	✓
	Proprietary	Proprietary 3				N.I.	-
<b>CONTENT ORIGIN</b>							
Content sourced from abundant minerals			<0.5%	Assumed identity as calcium carbonate			
Recycled content	- Internal post-industrial source		-	Involved coating and gluing chemicals originate from primary resources			
	- Post-installation		-				
	- Post-use source		-				
Biologically renewable content	- Animal		-	Wood contributes to the biologically renewable content which is exclusively from vegetal origin.			
	- Vegetal		>94%				

EPEA's rating methodology is based on the Cradle-to-Cradle approach with the European Precautionary principle. It is made in relation with a quality target, an after-use scenario and on the background of the specific supply chain materials used by the article's manufacturer. The assessment of hazard/safety properties of chemicals is made at the best of our knowledge at the date of MHS™ issue (See further [MHS development Guidance V2.0](#)). EPEA believes the data forth herein are accurate as of the date hereof. EPEA makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.

**Dr. Peter Möhle**  
Partner & Managing Director

**Dr. Alain Rivière**  
Scientific Supervisor



## Legend:

### EPEA RATING:

- No concern
- Moderate concern
- High concern – Task for material optimization
- Unknown concern - Task for knowledge development

### REACH compliance:

- ✓: Substance is listed neither in Annex XIV nor in Annex XVII nor as SVHC or complies with European Union Regulation EC 1907/2006 applicable to this article.
- XVII** or **XIV**: Substance listed in Annex XVII (Restriction) or Annex XIV (Authorisation) of REACH regulation applicable to this article
- SVHC**: Substance of Very High Concern. Candidate for listing in Annex XIV (Authorization list) of REACH Regulation at a concentration above 0.1%  
- : Not applicable due to missing CAS

### GS-LT<sup>(a)</sup>

- LT-1**: Chemical is found on an authoritative list of the most-toxic chemicals
- LT-P1**: Chemical may be a serious hazard, but the confidence level is lower
- LT-UNK**: Unknown (no data on List Translator Lists)

### GS- BM<sup>(a)</sup>

- BM1**: Avoid: Chemical of High Concern
- BM2**: Use but search for Safer Substitutes
- BM3**: Use but still opportunity for improvement
- BM4**: Prefer: Safer Chemical
- N.I.**: "Unspecified"; insufficient data
- N.I.** (No GS rating): Chemical is not listed in the source of GS and GS-LT ratings

(a) GreenScreen List Translator Score and GreenScreen Benchmark Score according to [Toxnot](#)

Proprietary 1, 2 or 3: Distinguishing between owners of information (see [MHS Development Guidance V2.0](#))