

Tarkett Linoleum Flooring - Silver Group

Issued to:	TARKETT
Product specifications	Acoustic Cork Essenza+ 15dB, Acoustic Cork xf ² 15dB, Ecopure xf ² , Essenza+, Etrusco xf ² , LinoRail HL3, Linoleum xf ² Bfl, Linosport Classic / Narnidur, Linosport xf ² , Originale xf ² , Sicuro xf ² R10, Silencio xf ² 19dB / Acoustic xf ² 19dB / Acoustiflor xf ² 19dB, Style Elle / Lenza xf ² , Style Emme / Tonali xf ² , Trentino xf ² , Veneto xf ²
Issue date:	16. March 2023
Expiration date:	15. February 2024
Evaluation threshold:	At least 100 ppm of the final product
After-use scenario:	TARKETT ReStart® Program
EPEA Registry No:	39897.3
MHS Version:	2.0



C2C V3.1 – ID 5600

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GS-BM ^(*)	REACH	
Linoleum Core layer	Calcium carbonate	1317-65-3	71-95%		Natural mineral containing traces of quartz. Potential health issue related to dust inhalation during mining / production. No concern in finished product. Magnesium carbonate is a natural and safe impurity of calcium carbonate rocks.	LT-UNK	✓	
	Magnesium Carbonate	546-93-0					LT-UNK	✓
	Cork	61789-98-8				Fillers with PEFC or FSC certified sources. Potential health issue related to wood dust inhalation. No concern in finished product.	N.I.	✓
	Wood powder	9004-34-6 9005-53-2					LT-UNK	✓
	Linseed oil	8001-26-1				Native oil used as polymer precursor	LT-UNK	✓
	Colophony	8050-09-7				Binder. Colophony is sensitizing upon skin contact. No concern in the finished product as it is not present anymore as such	LT-P1	✓
	Cured linoleum scrap (option)	-				Linoleum powder is obtained by pulverization currently mainly of factory residual material that is reintroduced in the manufacturing process; a minor part is coming from post-installation scraps taken back in the frame of the ReStart® program.	N.I.	-
	Walnut husk ^d	-					N.I.	✓
	Vegetal carbon Powder ^d	1333-86-4				Vegetal pigments with no indication for health issues during and after use of linoleum.	BM1	✓
	Titanium Dioxide	13463-67-7					LT-1	✓
	Carbon Black	1333-86-4				Other inorganic (titanium dioxide, iron oxides, carbon black) and organic pigments. Potential health issue related to dust inhalation during mining / production of mineral pigments possible. No concern in the finished product.	BM1	✓
	Iron oxide pigments	1309-37-1 1317-61-9 51274-00-1					BM1	✓
							LT-UNK	✓
							LT-UNK	✓
	Proprietary pigments	Proprietary 1**					LT-P1	✓
	Proprietary pigments ^e	Proprietary 1**				Halogenated organic compounds (contributors to dioxin formation when combusted). No concern in the use phase. Not used in the Originale range.	LT-UNK	✓
	Calcium dihydroxide	1305-62-0					LT-P1	✓
Aluminium oxide	1344-28-1				BM1	✓		
Silicon dioxide	69012-64-2				LT-P1	✓		
Aluminium silicate	12141-46-7			Additives (1%) with a function for the product or having had a function to produce used raw materials.	LT-UNK	✓		
Proprietary	Proprietary 1**				LT-P1	✓		
					BM1	✓		
Siloxane	Proprietary 3**				N.I.	-		

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FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GS-BM ^(*)	REACH	
Jute layer	Jute	-	5-11%		Jute fibre backing with residual additives (<0.6%) involved in their production process.	N.I.	✓	
	Tamarind kernel powder	-				N.I.	✓	
	Liquid Paraffin	8012-95-1					LT-UNK	✓
	White mineral oil (petroleum)	8042-47-5					LT-UNK	✓
	Oils, tamarind	72968-49-1					None	✓
	Proprietary	Proprietary 1**					LT-P1	✓
Optional foam backing ^b	Polyurethane	Proprietary 3**	≤ 18%		Reformulated polyurethane foam. Partly chemically defined.	N.I.	-	
	Other proprietary polymers	Proprietary 2**				LT-UNK	✓	
		Proprietary 3**				N.I.	-	
Adhesive ^c	Proprietary additives	Proprietary 2**	≤ 4%		Largely chemically defined adhesive components.	N.I.	✓	
						LT-UNK	✓	
		Proprietary 3**				LT-P1	✓	
Surface Treatment	Polyurethane acrylate coating	Proprietary 1,2**	≤ 0.8%		Surface reinforcement based on polyurethane acrylate chemistry involving a monomer which substitution is a task for future innovation.	N.I.	✓	
			≤ 0.08%			BM1	✓	
			≤ 0.01%			LT-1	✓	
	Or, acrylate polymer coating ^a	Proprietary 2**	≤ 0.4%		Acrylic polymer based on monomers of no concern after polymerization and fillers.	N.I.	✓	
THEREOF								
Content sourced from abundant minerals			≥ 11%	Calcium carbonate used as filler is an abundant resource.				
Recycled content	- Internal post-industrial source (Reprocessed production output)		≤ 10%	Linoleum powder is obtained by pulverization currently mainly of factory residual material that is reintroduced in the manufacturing process; a minor part is coming from post-installation scraps taken back in the frame of the ReStart® program.				
	- Post-installation / Pre-use source		≤ 15%	The additional foam backing is made with reprocessed polyurethane foams obtained from recyclers.				
	- Post-use source							
Biologically renewable content	- Animal		-	Most of the content originates from renewable plant resources (wood, linseed oil, cork, colophony and jute fibres).				
	- Vegetal		≤ 79%					

^a Only in Essenza+, Acoustic Cork Essenza+ 15dB; ^b Only in Silencio xf² 19dB / Acoustic xf² 19dB / Acoustiflor xf² 19dB, Ecopure xf²; ^c Only in Silencio xf² 19dB / Acoustic xf² 19dB / Acoustiflor xf² 19dB, Ecopure xf², Acoustic Cork xf² 15dB, Acoustic Cork Essenza+ 15dB; ^d Only in Originale range; ^e Not used in the Originale range

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 Möslé
 Partner & Managing Director


Dr. Alain Rivière
 Scientific Supervisor

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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^(a)

- 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^(a)

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

* 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](#))
