

Tarkett Linoleum Flooring - Silver Group

Issued to: **TARKETT**

Covered product specifications: Acoustic Cork Essenza 15dB, Acoustic Cork xf² 15dB, Ecopure xf², Essenza, Etrusco xf², LinoRail HL3, Linoleum xf² Bfl, Linosport Classic / Narnidur, Linosport xf², Originale xf², Sicuro xf² R10, Silencio xf² / Acoustic xf² / Acoustiflor xf², Style Elle / Lenza xf², Style Emme / Tonali xf², Trentino xf², Veneto xf²
Colours: 002, 003, 005, 007, 008, 048, 054, 061, 098, 121, 200, 201, 202, 203, 205, 207, 208, 209, 222, 300, 303, 305, 308, 309, 390, 400, 430, 431, 432, 450, 451, 452, 501, 503, 505, 509, 560, 561, 601, 604, 608, 610, 611, 622, 625, 637, 651, 663, 665, 670, 671, 672, 673, 674, 684, 685, 686, 688, 692, 700, 702, 703, 704, 714, 742, 761, 762, 764, 767, 793, 868, 888, 906, 911, 917

Issue date: July 1., 2020

Expiration date: June 30., 2022

Evaluation threshold: At least 100 ppm of the final product

After-use scenario: [Tarkett's ReStart® Program](#)

EPEA Registry No: 39897.2

MHS Version: 2.0



Certificate 4289

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GS-BM ^(a)	REACH
Surface Treatment	Polyurethane acrylate coating	Proprietary 1,2,3 monomers	< 1%	X	Surface reinforcement based on polyurethane acrylate chemistry. A potential entry of bisphenol A in the environment in the supply chain cannot be excluded. UV cured with a photo-initiator that is associated with health issues.	N.I.	✓
	Or, acrylic polymer ^a	Proprietary 2		X	Acrylic polymer based on monomers of no concern after polymerization and fillers.	N.I.	✓
Fillers	Calcium carbonate	1317-65-3	< 40%	X	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	13717-00-5 546-93-0		X		LT-UNK	✓
	Cork	61789-98-8	< 35%	X	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		X		LT-UNK	✓
	Cured linoleum scraps (Option)	-	< 10%	X	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.	✓
Biopolymer precursor	Linseed oil	8001-26-1	< 33%	X		LT-UNK	✓
Binder	Colophony	8050-09-7 8052-47-9	< 5%	X	Colophony is sensitizing upon skin contact only in the oxidized form. No concern in product form due to lack of exposure.	LT-UNK	✓

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GS-BM ^(a)	REACH
Pigments	Walnut husk ^d	-	< 7%	Green	Vegetal pigments with no indication for health issues during and after use.	N.I.	✓
	Vegetal carbon powder ^d	1333-86-4				BM1	✓
	Titanium Dioxide	13463-67-7	< 10%	Green	Organic and inorganic (Titanium dioxide, iron oxides, carbon black) pigments. Potential health issue related to dust inhalation during mining / production of mineral pigments possible. No concern in the finished product. This applies for titanium dioxide which has been proposed recently to receive a H351i labelling specification (Suspected of causing cancer via inhalation) for a hazard that is seen not specific for this substance but most likely associated with excessive inhalation of dust. No concern in the finished product.	LT-1	✓
	Pigment Black 7	1333-86-4	< 1%	Green		BM1	✓
		1310-14-1		Green		LT-UNK	✓
		12227-89-3		Green		BM1	✓
	Iron oxide pigments	1309-37-1	Green	BM1		✓	
Proprietary 1		Red	LT-UNK	✓			
Formulation auxiliaries	Aluminium silicate	12141-46-7	< 0.5%	Green	Additives with a function for the product or having had a function to produce used raw materials.	LT-UNK	✓
	Calcium dihydroxide	1305-62-0		Green		LT-P1	✓
	Proprietary	Proprietary 1		Green		LT-P1	✓
				Green		BM1	✓
Jute layer	Jute	-	< 11%	Green	Jute fibre backing with residual additives (< 0.6%) involved in their production process.	N.I.	✓
	Tamarind kernel powder	-		Green		N.I.	✓
	Tamarind oil	72968-49-1		Green		N.I.	✓
	Liquid Paraffin	8012-95-1		Green		LT-UNK	✓
	White mineral oil	8042-47-5		Green		LT-UNK	✓
	Proprietary	Proprietary 2		Green		LT-P1	✓
Additional foam backing ^b	Polyurethane	Proprietary 3	< 18%	Green	Reformulated polyurethane foam formulation. Partly chemically defined.	N.I.	✓
	Proprietary polymer	Proprietary 3		Green		N.I.	✓
		Proprietary 2		Green		LT-UNK	✓
		Proprietary 2		Green		LT-UNK	✓
Adhesive ^c	Proprietary	Proprietary 3	< 4%	Green	Chemically defined adhesive components.	LT-UNK	✓
		Proprietary 2		Green		LT-UNK	✓
		Proprietary 2		Green		LT-UNK	✓
THEREOF:							
Content sourced from abundant minerals			< 40%	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%				
	- Post-use source		< 15%	The additional foam backing is made with reprocessed polyurethane foams obtained from recyclers.			
Biologically renewable content	- Animal		-	Most of the content originates from renewable plant resources (wood, linseed oil and jute fibres).			
	- Vegetal		> 60%				

^a Only in Essenza, Acoustic Cork Essenza 15dB; ^b Only in Silencio x² / Acoustic x² / Acoustiflor x², Ecopure x²; ^c Only in Silencio x² / Acoustic x² / Acoustiflor x², Ecopure x², Acoustic Cork x² 15dB, Acoustic Cork Essenza 15dB; ^d Only in 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 (more information in [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 and 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

(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](#))
