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. Reprint November 29., 2021

Expiration date: June 30., 2022

Evaluation threshold: At least 100 ppm of the final product

After-use scenario: TARKETT 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%		Surface reinforcement based on polyurethane acrylate chemistry. UV cured with a photoinitiator associated with health issues.	N.I.	✓
	Or, acrylic polymer[a]	Proprietary 2			Acrylic polymer based on monomers of no concern after polymerization and fillers.	N.I.	✓
Fillers	Calcium carbonate	1317-65-3	< 40%		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				LT-UNK	✓
	Cork	61789-98-8	< 35%		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	✓
	Cured linoleum scraps (Option)	-	< 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.	N.I.	✓
Polymer precursor	Linseed oil	8001-26-1	< 33%			LT-UNK	✓
Binder	Colophony	8050-09-7 8052-47-9	< 5%		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%		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%		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%			BM1	✓
	Iron oxide pigments	1310-14-1				LT-UNK	✓
		12227-89-3				BM1	✓
		1309-37-1				BM1	✓
	Organic pigments	Proprietary 1				LT-UNK	✓
					Halogenated organic compounds (contributors to dioxin formation when combusted). No concern during the use phase.	LT-UNK	✓
						LT-P1	✓
Formulation auxiliaries	Aluminium silicate	12141-46-7	< 0.5%		Additives with a function for the product or having had a function to produce used raw materials.	LT-UNK	✓
	Calcium dihydroxide	1305-62-0				LT-P1	✓
	Proprietary	Proprietary 1				LT-P1	✓
						BM1	✓
Jute layer	Jute	-	< 11%		Jute fibre backing with residual additives (< 0.6%) involved in their production process.	N.I.	✓
	Tamarind kernel powder	-				N.I.	✓
	Tamarind oil	72968-49-1				N.I.	✓
	Liquid Paraffin	8012-95-1				LT-UNK	✓
	White mineral oil	8042-47-5				LT-UNK	✓
	Proprietary	Proprietary 2				LT-P1	✓
Additional foam backing[b]	Polyurethane	Proprietary 3	< 18%		Reformulated polyurethane foam formulation. Partly chemically defined.	N.I.	✓
	Proprietary polymer	Proprietary 3				N.I.	✓
		Proprietary 2				LT-UNK	✓
		Proprietary 2				LT-UNK	✓
Adhesive[c]	Proprietary	Proprietary 3	< 4%		Chemically defined adhesive components.	LT-UNK	✓
		Proprietary 2				LT-UNK	✓
		Proprietary 2				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		
	- 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 xf² / Acoustic xf² / Acoustiflor xf², Ecopure xf²; [c] Only in Silencio xf² / Acoustic xf² / Acoustiflor xf², Ecopure xf², Acoustic Cork xf² 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 (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.

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Dr. Alain Rivière
Scientific Supervisor

EPEA
PART OF DREES & SOMMER

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)