

## Linoleum Originale Essenza / Linosom Originale

### Essenza

Issued to: Tarkett  
 Issue date: 19.03.2018  
 Expiration date: 18.03.2020  
 Evaluation threshold: At least 100 ppm of the final product  
 After-use scenario: [Tarkett ReStart® program](#)



C2CPII Certificate 3297  
 Valid until 23.01.2020

Product specifications: Originale Vegetale, Originale Minerale, Veneto 100% linen, Veneto Essenza Natural Clay  
 EPEA Registry No: MHS 39896.1  
 MHS Version: 2.0

FUNCTION	CHEMICAL COMPONENTS	CASRN	CONTENT	EPEA RATING	COMMENT ON EPEA RATING	GS-LT/ GS-BM	REACH
Polymer precursor	Linseed oil	8001-26-1	31-33%	✓		LT - UNK	✓
Fillers	Wood powder - Cellulose	9004-34-6	30%	✓	Sources PEFC certified. Potential health issue related to wood dust inhalation. No concern in finished product.	LT - UNK	✓
	Wood powder - Lignin	9005-53-2		✓		LT - UNK	✓
	Cork	61789-98-8		✓	N.I.	-	
	Calcium carbonate	1317-65-3	15-25%	✓	Natural mineral containing traces of quartz. Potential health issue related to dust inhalation during mining/production. No concern in finished product.	LT-UNK	✓
Binder	Colophony	8050-09-7	5%	✓	Colophony is sensitizing upon skin contact only in the oxidized form. No concern in the product due to lack of exposure	N.I.	-
Backing	Jute	-	8%	✓	Contains unproblematic additives, the jute batching oil has acceptable heavy metal and PAH concentrations.	LT-UNK	✓
Vegetal colorants	Walnut husk powder	-	< 7%	✓	Vegetal pigments with no indication for health issues.	N.I.	✓
	Vegetable carbon	-		✓		N.I.	✓
Pigments	Titanium dioxide	13463-67-7	< 0.2%	✓	Potential health issue related to dust inhalation during mining/production. No concern in finished product.	LT-1	✓
Coating	Acrylic finish	Proprietary 2	0,40%	✓	Contains ingredients of no/low concern, good VOC picture (applied on linoleum). No concern in finished product.	LT-1	✓
				✓		LT-P1	✓
				✓		LT-UNK	✓
				✓		N.I.	✓
				✓		BM4	✓
Formulation auxiliaries and impurities	Jute batch oil	-	< 0.3%	✓	Formulation auxiliaries and impurities of syntheses involved in the production of various inputs. The proprietary component accounts for less than 0.1%	N.I.	✓
	Proprietary	Proprietary 1		✓		LT-UNK	✓
	Tamarind kernel powder	-		✓		N.I.	✓
	Aluminium oxide	1344-28-1		✓		LT-1	✓
	Magnesium carbonate	13717-00-5		✓		N.I.	-
	Calcium dihydroxide	1305-62-0		✓		LT-UNK	✓
	Proprietary	Proprietary 3		✓		N.I.	-

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 [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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### 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\*

- 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\*

- 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 classification (<https://toxnot.com/>)

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