

DESSO EcoBase PA6.6 Continuous Dyed Carpet Tiles

Issued to: **TARKETT**

Product specifications: DESSO Arcade EcoBase, DESSO Palatino EcoBase

Issue date: 17. Mai, 2022

Expiration date: 04. November, 2023

Evaluation threshold: At least 100 ppm of the final product

After-use scenario: [Tarkett ReStart® program](#)

EPEA Registry No: 39936.3



5349 / C2C V3.1

MHS Version: 2.0

Validity 04. Nov, 2023

FUNCTION	CHEMICAL	CAS	EPEA RATING	CONTENT	COMMENT	GS-LT GC-BM ^(a)	REACH
Polymers	Polyamide 6.6	32131-17-2	Green	24-30%	Polymers individually suitable for thermomechanical recycling and partially for chemical recycling (Nylon 6 und Polyethylene terephthalate). VOC tests show no relevant residual monomers.	LT-UNK	✓
	Polyethylenterephthalate	25038-59-9	Green	6-17.5%		LT-UNK	✓
	Butadiene Styrene Copolymer	9003-55-8	Green	3-4%		LT-UNK	✓
	Polypropylene	9003-07-0	Green	<1.5%		LT-P1	✓
	Proprietary 1		Green	2.4-3%		LT-UNK	✓
	Proprietary		Green	4.6-5.6%		LT-UNK	✓
	Proprietary 2		Green	4.6-5.6%		LT-1	✓
Fillers	Calcium carbonate	13397-25-6	Dark Green	34-40.2%	Natural mineral containing <1% quartz. Potential health issue related to dust inhalation during mining. No concern in the finished product.	None	✓
	Aluminum trihydrate	1333-84-2	Dark Green	2.7-3.1%	Filler with flame retardant properties. No concern in the finished product.	LT-UNK	✓
Pigments	Carbon Black	1333-86-4	Green	0.2-0.4%	Potential health issues related to dust inhalation during production. No concern in the finished product.	BM1	✓
	Titanium Dioxide	13463-67-7	Green			LT-1	✓
Dyes	Acid orange 67	12220-06-3	Green	0.1-0.2%	Green rated dyes are halogen and metal-free. Contained halogens and metals determine the red rating. Few dyestuffs are not defined yet.	LT-UNK	✓
	Reactive blue 50	70210-42-3	Green			LT-UNK	✓
	Reactive red 66	70210-39-8	Green			LT-UNK	✓
	Acid Yellow 246	119822-74-1	Green			N.I.	✓
	Proprietary	Proprietary 2	Green			LT-P1	✓
	Acid blue 113	3351-05-1	Red			LT-UNK	✓
	Acid red 127	61724-32-1	Red			None	✓
	Acid red 260	52333-30-9	Red			LT-UNK	✓
	Basic Blue 123	73560-47-1	Red			N.I.	✓
	Basic red 23	54392-43-7	Red			N.I.	✓
	Basic Yellow 28	54060-92-3	Red			N.I.	✓
	Sodium 4-(4-chloro-6-(N-ethylanilino)-1,3,5-triazin-2-ylamino)-2-(1-(2-chlorophenyl)-5-hydroxy-3-methyl-1H-pyrazol-4-ylazo)benzenesulfonate	136213-75-7	Red			LT-UNK	✓
	Proprietary	Proprietary 2	Red			LT-P1	✓
	Proprietary	Proprietary 3	Red			LT-UNK	✓
Reinforcement	Glass scrim	65997-17-3	Green	0.3-0.4%	Glass filaments embedded in the heavy coating. No concern.	LT-UNK	✓

FUNCTION	CHEMICAL	CAS	EPEA RATING	CONTENT	COMMENT	GS-LT GC-BM ^(a)	REACH
Additives, processing aids and impurities	Water	7732-18-5	Green	6.4-7.6%	Surfactants, thickener, defoamer, antistatic agents, antioxidant, stabilizer, lubricant, etc. No issues. Processing aids have a functional purpose in the production process or had it to produce inputs by suppliers. Some are still undefined. Residues from different inputs. Rating based on low content of each chemical in finished products.	BM4	✓
	Proprietary	Proprietary 2	Green			LT-UNK	✓
	2-butoxyethanol	111-76-2	Green			None	✓
	2-Butanone	78-93-3	Green			LT-P1	✓
	Diethylene glycol	111-46-6	Green			LT-P1	✓
	White mineral oil (petroleum)	8042-47-5	Green			LT-P1	✓
	Crystalline silica - Quartz type	14808-60-7	Green			LT-UNK	✓
	Proprietary	Proprietary 2	Green			LT-1	✓
			Green			LT-P1	✓
	Proprietary	Proprietary 3	Green			LT-UNK	✓
	Proprietary	Proprietary 3	Green			None	✓
						N.I.	✓
						N.I.	-
						N.I.	-

THEREOF:

Content sourced from abundant minerals			-	Not applicable
Recycled content	- Pre-use source			35-45% Calcium carbonate originates from pre-use sources.
	- Post-use source			
Biologically renewable content	- Animal			Not applicable
	- Vegetal			

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 the "MHS development Guidance V2.0", link in the legend below). 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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Scientific Supervisor



PART OF DREES & SOMMER

Legend:

EPEA RATING:	REACH compliance:	GS-LT ^(b)	GS- BM ^(b)
No concern	✓: 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.	LT-1: Chemical is found on an authoritative list of the most-toxic chemicals	BM1: Avoid: Chemical of High Concern
Moderate concern	XVII or XIV: Substance listed in Annex XVII (Restriction) or Annex XIV (Authorisation) of REACH regulation applicable to this article	LT-P1: Chemical may be a serious hazard, but the confidence level is lower	BM2: Use but search for Safer Substitutes
High concern – Task for material optimization	SVHC: Substance of Very High Concern. Candidate for listing in Annex XIV (Authorization list) of REACH Regulation at a concentration above 0.1%	LT-UNK: Unknown (no data on List Translator Lists)	BM3: Use but still opportunity for improvement
Unknown concern - Task for knowledge development	- : Not applicable due to missing CAS		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](#))