

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
MHS Version: 2.0



5349 / C2C V3.1

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	✓	
	Polyethyleneterephthalate	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	Proprietary 1		Green		2.4-3%	LT-UNK	✓
		Proprietary 2		Green		4.6-5.6%	LT-UNK	✓
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	Light Green	2.7-3.1%	Filler with flame retardant properties. No concern in the finished product.	LT-UNK	✓	
Pigments	Carbon Black	1333-86-4	Light 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	Light Green			LT-1	✓	
Dyes	Acid orange 67	12220-06-3	Light 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	Light Green			LT-UNK	✓	
	Reactive red 66	70210-39-8	Light Green			LT-UNK	✓	
	Acid Yellow 246	119822-74-1	Light Green			N.I.	✓	
	Proprietary	Proprietary 2	Light Green			LT-P1	✓	
			Light Green			LT-UNK	✓	
	Acid blue 113	3351-05-1	Red			LT-UNK	✓	
	Acid red 127	61724-32-1	Red			N.I.	✓	
	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			LT-UNK	✓	
	Sodium 4-(4-chloro-6-(N-ethyl-anilino)-1,3,5-triazin-2-ylamino)-2-(1-(2-chlorophenyl)-5-hydroxy-3-methyl-1H-pyrazol-4-ylazo)benzenesulfonate	136213-75-7	Red			LT-P1	✓	
Proprietary	Proprietary 2	Red	LT-P1	✓				
	Proprietary 3	Grey	LT-UNK	✓				
Reinforcement	Glass scrim	65997-17-3	Light Green	0.3-0.4%	Glass filaments embedded in the heavy coating. No concern.	LT-UNK	✓	

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Additives, processing aids and impurities	Water	7732-18-5	■	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	■			LT-UNK	✓
			■			None	✓
	2-butoxyethanol	111-76-2	■			LT-P1	✓
	2-Butanone	78-93-3	■			LT-P1	✓
	Diethylene glycol	111-46-6	■			LT-P1	✓
	White mineral oil (petroleum)	8042-47-5	■			LT-UNK	✓
	Crystalline silica - Quartz type	14808-60-7	■			LT-1	✓
	Proprietary	Proprietary 2	■			LT-P1	✓
						LT-UNK	✓
Proprietary	Proprietary 3	■	None	✓			
Proprietary	Proprietary 3	■	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.


Dr. Peter Möslé
 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^(b)

- 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^(b)

- 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](#))