

DESSO EcoBase PA6 Solution Dyed Carpet Tiles

Issued to:	TARKETT
Product specifications	DESSO AirMaster® Atmos EcoBase, DESSO AirMaster® Earth EcoBase, DESSO AirMaster® EcoBase, DESSO AirMaster® Savera EcoBase, DESSO AirMaster® Savera Shade EcoBase, DESSO AirMaster® Sphere EcoBase, DESSO AirMaster® Tones EcoBase, DESSO Arable EcoBase, DESSO Avenue EcoBase, DESSO Breccia EcoBase, DESSO Carved EcoBase, DESSO Colour Nuances EcoBase, DESSO Colourant EcoBase, DESSO Desert AirMaster® EcoBase, DESSO Desert EcoBase, DESSO Eclectic EcoBase, DESSO Essence EcoBase, DESSO Essence Maze EcoBase, DESSO Essence Stripe EcoBase, DESSO Essence Structure EcoBase, DESSO Fields EcoBase, DESSO Flores EcoBase, DESSO Fuse Create EcoBase, DESSO Fuse EcoBase1, DESSO Futurity EcoBase, DESSO Grain EcoBase, DESSO Granite EcoBase, DESSO Grezzo EcoBase, DESSO Iconic EcoBase, DESSO Jeans Original EcoBase, DESSO Jeans Stonewash EcoBase, DESSO Jeans Twill EcoBase, DESSO Linon EcoBase, DESSO Marvel EcoBase, DESSO Metallic Shades EcoBase, DESSO Metropol EcoBase, DESSO Natural Nuances EcoBase, DESSO Orchard EcoBase, DESSO Recharge EcoBase, DESSO Reclaim Ribs II EcoBase, DESSO Retrace EcoBase, DESSO Rock EcoBase, DESSO Salt EcoBase, DESSO Scape EcoBase, DESSO Scenic EcoBase, DESSO Serene Colour EcoBase, DESSO Serene EcoBase, DESSO Stitch Core EcoBase, DESSO Stitch EcoBase, DESSO Stratos Blocks EcoBase, DESSO Stratos EcoBase, DESSO Traverse EcoBase, DESSO Verso EcoBase, DESSO Vista 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:	39935.3
MHS Version:	2.0



Validity 04. Nov, 2023

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GC-BM ^(a)	REACH	
Polymers	Polyamide 6	25038-54-4	10.5-16%	Green	Polymers involved in different layers of the carpet. Polyamide 6, the main polymer the yarn is consisting of, is a state-of-the-art technical nutrient which can be depolymerized for subsequent repolymerization to virgin-like quality. Auxiliaries and synthesis impurity ε-caprolactam are of no concern.	LT-UNK	✓	
	Polyethylenterephthalate	25038-59-9	8-19.2%	Green		LT-UNK	✓	
	Butadiene Styrene Copolymer	9003-55-8	3.9-4%	Green		LT-UNK	✓	
	Polypropylene	9003-07-0	1.1-1.5%	Green		LT-P1	✓	
	Proprietary	Proprietary 1		2.7-3.7%		Green	LT-UNK	✓
		Proprietary 2		5.2-7%		Green	LT-UNK	✓
Fillers	Calcium carbonate	13397-25-6	37.8-51.3%	Green	Filler with flame retardant properties. No concern in the finished product.	None	✓	
	Aluminum trihydrate	1333-84-2	3.4-3.5%	Green		LT-UNK	✓	
Pigments	Carbon Black	1333-86-4	0.6-1.1%	Green	Potential health issues related to dust inhalation during production of mineral pigments. No concern in the finished product. Contained halogens and heavy metals in organic pigments determine the red rating. Few pigments are not explicitly defined but likely to be encompassed in the list of defined pigments.	BM1	✓	
	Titanium Dioxide	13463-67-7		Green		LT-1	✓	
	Proprietary	Proprietary 2		Green		LT-UNK	✓	
				Red		BM1	✓	
Red	Red	LT-1	✓					
Red	Red	BM1	✓					

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GC-BM ^(a)	REACH
Reinforcement	Glass scrim	65997-17-3	0.4-0.5%		Glass filaments embedded in the heavy coating. No concern.	LT-UNK	✓
Additives, processing aids and impurities	Water	7732-18-5	7.7-8.4%		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	✓
	2-butoxyethanol	111-76-2				None	✓
	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	✓
						None	✓
Proprietary	Proprietary 3		N.I.	✓			
Proprietary	Proprietary 3		N.I.	-			
Proprietary	Proprietary 3		N.I.	-			
THEREOF:							
Content sourced from abundant minerals		-	Not applicable				
Recycled content	- Pre-use source	35-50%	Used calcium carbonate occurs as by-product of industrial operations and polyamide 6 originates partly from recycling operations of both pre-use and post-use material sources.				
	- Post-use source	6.3%					
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 (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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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 Scores according to [Toxnot](#)

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