

DESSO EcoBase PA6 Solution Dyed Carpet Tiles Gold

Issued to:	TARKETT
Product specifications	DESSO AirMaster Nazca Gold, DESSO AirMaster Salina Gold, DESSO AirMaster Tierra Gold
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:	39934.3
MHS Version:	2.0



5346 / C2C V3.1

Validity 04. Nov, 2023

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GC-BM ^(b)	REACH
Polymers	Polyamide 6	25038-54-4	15.3-16.9%		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	7.4-19.3%			LT-UNK	✓
	Butadiene Styrene Copolymer	9003-55-8	3.6-4%			LT-UNK	✓
	Polypropylene	9003-07-0	1.2-1.5%			LT-P1	✓
	Proprietary	Proprietary 1	Proprietary 1	2.7-3.4%			LT-UNK
Proprietary 2		Proprietary 2	5.2-6.6%		LT-UNK	✓	
Fillers	Calcium carbonate	13397-25-6	38.1-47.6%		Natural mineral containing < 1% quartz. Potential health issue related to dust inhalation during mining. No concern in finished product.	None	✓
	Aluminum trihydrate	1333-84-2	3.2-3.5%		Filler with flame retardant properties. No concern in the finished product.	LT-UNK	✓
Pigments	Carbon Black	1333-86-4	1.1-1.5%		Potential health issues related to dust inhalation during production of mineral pigments. No concern in the finished product. Proprietary pigments are all defined, free of organic halogens and metals and compatible with a safe recycling after use.	BM1	✓
	Titanium Dioxide	13463-67-7				LT-1	✓
	Proprietary	Proprietary 2				LT-UNK	✓
Reinforcement	Glass scrim	65997-17-3	0.4-0.5%		Glass filaments embedded in the heavy coating. No concern.	BM1	✓
						LT-UNK	✓
Additives, processing aids and impurities	Water	7732-18-5	7.1-8.2%		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. Rating based on low content of each chemical in finished products.	LT-UNK	✓
	Proprietary	Proprietary 2				BM4	✓
	2-butoxyethanol	111-76-2				LT-UNK	✓
	2-Butanone	78-93-3				None	✓
	Diethylene glycol	111-46-6				LT-P1	✓
	White mineral oil (petroleum)	8042-47-5				LT-P1	✓
	Crystalline silica - Quartz type	14808-60-7				LT-P1	✓
	Proprietary	Proprietary 2				LT-UNK	✓
	Proprietary 3		LT-1	✓			
				LT-P1	✓		
				None	✓		
				N.I.	✓		
				N.I.	-		

THEREOF:			
Content sourced from abundant minerals		-	Not applicable
Recycled content	- Pre-use source	40-50%	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	9.4%	
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:	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
			N.I. (No GS rating): Chemical is not listed in the source of GS and GS-LT ratings

(a) Please refer to [EPEA's position on PVC and chlorine management](#)

(b) 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](#))