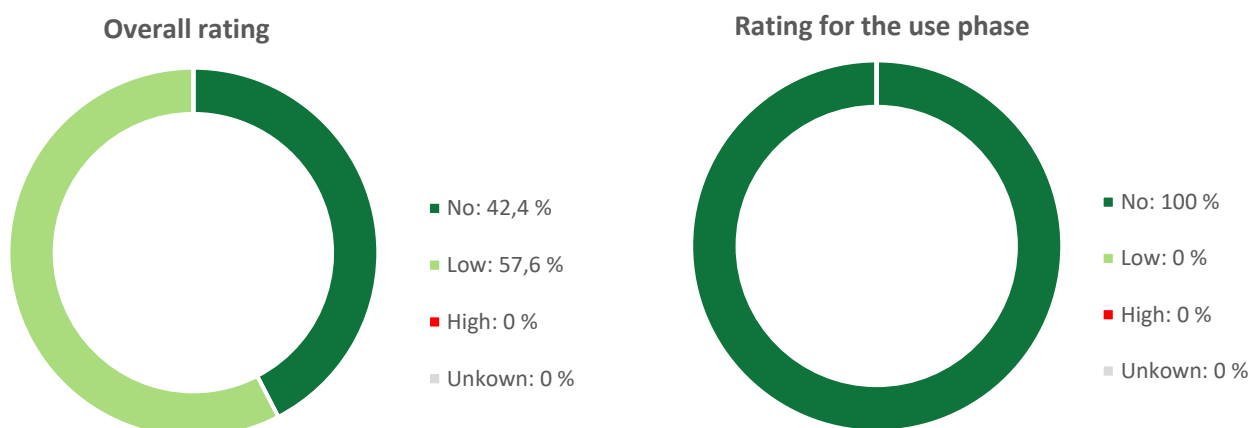


DESSO EcoBase PA6 Solution Dyed Carpet Tiles - Gold

Company:	TARKETT
Product specifications	DESSO AirMaster Nazca Gold, DESSO AirMaster Salina Gold, DESSO AirMaster Tierra Gold
Issue date:	13. May 2024
Expiration date:	4. November 2025
Evaluation and declaration threshold:	At least 100 ppm of the final product
After-use scenario:	Tarkett proposes to take back your products after use, thanks to the TARKETT ReStart® Program . Check Tarkett national websites for Restart program availability.
EPEA Registry No:	39934.4
MHS Version:	3.0

Chemicals Risk Assessment: Concern level



This summary presents the average mass weighted distribution of material health ratings presented on next pages. Ratings address benefits and risks of chemical components of the product for humans and the living environment:

- during the phase of use of the product.
- overall while taking into account a) the last manufacturing step using raw materials leading to them in the product's composition, b) the production of raw materials in the supply chain as far as information is attainable from suppliers or from generic literature, and c) the intended management scenario after use.

The benefit and risk analysis follows a qualitative and quantitative breakdown of the product's chemical composition from the chemical composition of raw materials, a reconstruction of chemical transformation pathways and an anticipation of the chemical's behaviour during the intended after-use processing. This information is combined with physical and (eco)toxicological properties of pure chemicals obtained from governmental and non-governmental scientific organisations to derive a level of concern.

The MHS is making transparent at a point in time results of the company's activities for developing benefits of the product, including environmental and health benefits, with its purchasing and commercialization practices.

DESSO Ecobase PA6 Solution Dyed Carpet Tiles

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING		GS-LT GS-BM ^(a)	REACH
				USE PHASE	OVERALL		
Polymers	Polyamide 6	25038-54-4	≤ 17%			LT-UNK	✓
	Polyethylene terephthalate	25038-59-9	≤ 9%			LT-UNK	✓
	Other polymers	Proprietary	≤ 12%			LT-UNK	✓
						LT-P1	✓
						None	✓
<p><i>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. Synthesis impurity ε-caprolactam is of no concern.</i></p> <p><i>Nanomaterials: No</i></p>							
Fillers	Calcium carbonate	471-34-1	≤ 50%			LT-UNK	✓
	Crystalline silica - Quartz type ^(b)	14808-60-7				LT-1	✓
	Aluminium trihydrate	Proprietary	≤ 13%			BM2	✓
	<p><i>Calcium carbonate, obtained as by-product of the processing of drinking water has a mean particle size of 250 µm and low level of quartz. No concern in the finished product.</i></p> <p><i>Nanomaterials: No</i></p>						
Coloration agents	Titanium dioxide	13463-67-7	< 1%			LT-1	✓
	Other pigments	Proprietary				LT-UNK	✓
						BM1	✓
						None	✓
<p><i>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</i></p> <p><i>Nonomaterials: Not verified</i></p>							
Reinforcement	Glass scrim	65997-17-3	≤ 0.8%			LT-UNK	✓
	<p><i>Glass filaments embedded in the heavy coating. No concern.</i></p> <p><i>Nanomaterials: No</i></p>						
Additives, processing aids, impurities	White mineral oil (petroleum)	8042-47-5	≤ 7.5%			LT-UNK	✓
						LT-P1	✓
						LT-UNK	✓
						N.I.	-
<p><i>Surfactants, thickener, defoamer, antistatic agents, antioxidant, stabilizer, lubricant, etc. No issues. Additives and processing aids have a functional purpose in the production process or had one to produce inputs by suppliers. Some are still undefined. Rating based on low content of each chemical in finished products.</i></p> <p><i>Nanomaterials: Not excluded</i></p>							
THEREOF							
Content sourced from abundant minerals			≤ 14%	<p><i>Calcium carbonate involved in a part of the production input is of virgin origin.</i></p>			
Recycled content	- Internal post-industrial source		≤ 66%	<p><i>However, the majority of involved calcium carbonate occurs as by-product of industrial operations. Polyamide 6 originates almost exclusively from recycling operations of both pre-use and post-use material sources.</i></p>			
	- Post-installation / Pre-use source						
	- Post-use source						
Biologically renewable content	- Animal		-	<p><i>No chemicals can be traced back to animal sources. The main contributors to this figure are wood extract derivative.</i></p>			
	- Vegetal		≤ 5%				

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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 V3.0 Development Guidance](#)). EPEA believes the data forth herein are accurate as of the date hereof. EPEA makes no warranty with respect thereto and expressly denies all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.







Dr. Peter Möhle
Partner & Managing Director



Dr. Alain Rivière
Scientific Supervisor



Legend:

EPEA RATINGS	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. 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	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)	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
 low concern			
 High concern – Task for material optimization			
 AA Risk cannot be verified			
Task for knowledge development			

- (a) GreenScreen List Translator Score and GreenScreen Benchmark Score according to [3E Exchange](#)
- (b) Component originating either from the natural resource or from virgin or recycled raw material without functionality in the product's context.
- (c) Proprietaries can be due to the decision of the producer or result from non-communication of the full composition of used raw materials either to producer, or to EPEA, or both.
- (d) [EPEA's position on PVC and chlorine management](#)
- (e) [Californian Respiratory Exposure Limits \(CREL\)](#)
- (f) [EU-Lowest Concentrations of Interest \(LCI values\)](#)