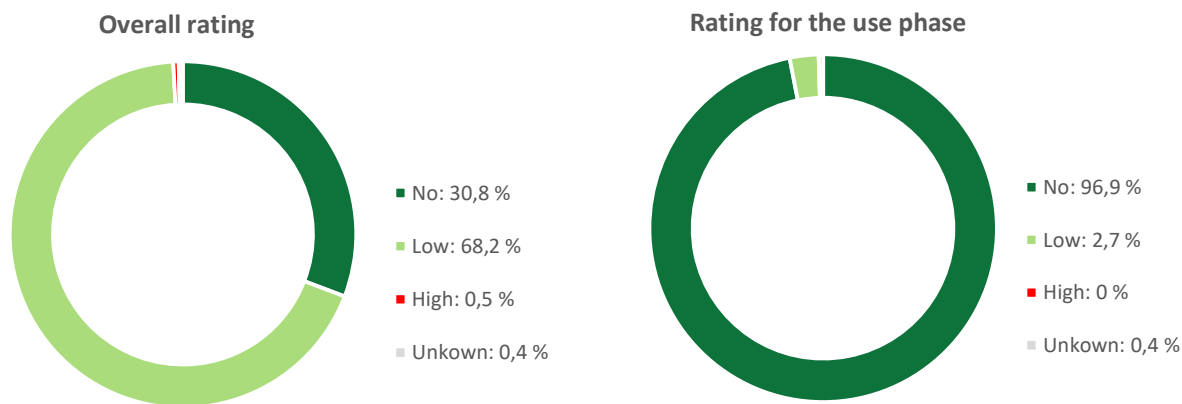


## DESSO EcoBase PA6.6 Continuous Dyed Carpet Tiles

Company:	TARKETT
Product specifications	DESSO Arcade EcoBase, DESSO Palatino EcoBase
Issue date:	04.April 2024
Expiration date:	04. 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 <a href="#">TARKETT ReStart® Program</a> . <b>Check Tarkett national websites for Restart program availability.</b>
EPEA Registry No:	39936.4
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 PA6.6 Continuous Dyed Carpet Tiles

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING		GS-LT GS-BM <sup>(a)</sup>	REACH	
				USE PHASE	OVERALL			
Polymers	Polyamide 6.6	32131-17-2	≤ 27%			LT-UNK	✓	
	Polyethylene terephthalate	25038-59-9	≤ 7%			LT-UNK	✓	
	Butadiene Styrene Copolymer	9003-55-8	≤ 13%			LT-UNK	✓	
	Polypropylene	9003-07-0	≤ 1%			LT-P1	✓	
	Other polymers	Proprietary	≤ 1%			LT-UNK	✓	
	<i>Polymers involved in different layers of the carpet.</i>							
<i>Nanomaterials: No</i>								
Fillers	Calcium carbonate	471-34-1	≤ 45%			LT-UNK	✓	
	<i>Crystalline silica - Quartz type<sup>(b)</sup></i>	<i>14808-60-7</i>				LT-1	✓	
	Aluminum trihydrate	1333-84-2	≤ 18%			BM2	✓	
	<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. Aluminium trihydrate is a filler with flame retardant properties and a mean size of 11 µm. No concern in the finished product.</i>							
<i>Nanomaterials: No</i>								
Coloration agents	Acid Blue 277	61967-93-9	< 1%			N.I.	✓	
	Acid blue 344	85153-93-1				LT-UNK	✓	
	Acid Orange 67	12220-06-3				LT-UNK	✓	
	Acid Red 361	32846-21-2				LT-UNK	✓	
	Acid Yellow 246	90677-63-7				LT-UNK	✓	
	Acid Red 299	12220-29-0				N.I.	✓	
	Acid Blue 80	4474-24-2				LT-P1	✓	
	Sodium 1-amino-9,10-dihydro-9,10-dioxo-4-[[3-[(1-oxopropyl)amino]phenyl]amino]anthracene-2-sulphonate	89923-62-6					None	✓
	Acid Black 194	57693-14-8					LT-P1	✓
	Acid Blue 113	3351-05-1					LT-UNK	✓
	1,1'-(isopropylidenedi-p-phenylene) bis[2-[[5-amino-3-methyl-1-(3-sulphophenyl)-1H-pyrazol-4-yl]azo]benzenesulphonate], sodium salt	83006-51-3					LT-UNK	✓
	Sodium 3-[[4-[(2-ethoxy-5-methylphenyl)azo]-1-naphthyl]azo]benzenesulphonate	68959-00-2					LT-UNK	✓
	Disodium 1,1'-isopropylidenedi-p-phenylene bis[2-[[5-amino-3-methyl-1-(3-sulphonatophenyl)-1H-pyrazol-5-yl]azo]benzenesulphonate]	72828-69-4					LT-UNK	✓
	Disodium 5,5'-[[1-methylethylidene]bis(4,1-phenyleneoxysulphonyl-2,1-phenyleneazo)]bis[6-amino-4-hydroxynaphthalene-2-sulphonate]	52333-30-9					LT-UNK	✓
	1,5-dimethyl-3-[(2-methyl-1H-indol-3-yl)azo]-2-phenyl-1H-pyrazolium methyl sulphate	29508-48-3					LT-UNK	✓
	2-Naphthalenesulfonic acid, 6-amino-5-[2-[5-chloro-2-(2-chlorophenoxy)phenyl]diazonyl]-4-hydroxy-, sodium salt (1:1)	103241-64-1					LT-UNK	✓
	3-[(1,2-dimethyl-1H-indol-3-yl)azo]-1,5-dimethyl-2-phenyl-1H-pyrazolium methyl sulphate	89923-54-6					LT-UNK	✓
	2-[2-(2,3-dihydro-5-methoxy-2,3,3-trimethyl-1H-indol-1-yl)vinyl]-1,3,3-trimethyl-3H-indolium chloride	38926-38-4					LT-UNK	✓
	[2-[ethyl[3-methyl-4-[(3-phenyl-1,2,4-thiadiazol-5-yl)azo]phenyl]amino]ethyl]trimethylammonium methyl sulphate	28313-51-1					LT-P1	✓
	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					LT-P1	✓
Other coloration agents	Proprietary				LT-UNK	✓		
					BM1	✓		
					LT-1	✓		
<i>Green rated dyes are halogen and metal-free. Contained halogens and metals determine the red rating.</i>								
<i>Nanomaterials: Not verified</i>								
Reinforcement	Glass scrim	65997-17-3	≤ 1%			LT-UNK	✓	
	<i>Glass filaments embedded in the heavy coating. No concern.</i>							
<i>Nanomaterials: No</i>								

# DESSO EcoBase PA6.6 Continuous Dyed Carpet Tiles

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING		GS-LT GS-BM <sup>(a)</sup>	REACH	
				USE PHASE	OVERALL			
Additives, processing aids, impurities	White mineral oil (petroleum)	8042-47-5	< 7%			LT-UNK	✓	
	Glycerides, C14-20, reaction products with diethylenetriamine	85409-11-6				LT-P1	✓	
	Alcohols, C16-18, ethoxylated	68439-49-6				LT-P1	✓	
	Citric acid	77-92-9				LT-UNK	✓	
	Other additives, processing aid chemicals and impurities	Proprietary					LT-UNK	✓
							LT-P1	✓
							LT-P1	✓
							LT-UNK	✓
							LT-UNK	✓
							LT-UNK	✓
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.						N.I.	-	
Nanomaterials: Not excluded								
<b>THEREOF</b>								
Content sourced from abundant minerals			≤ 13%					
Recycled content	- Internal post-industrial source		≤ 43%	Used calcium carbonate occurs as by-product of industrial operations				
	- Post-installation / Pre-use source							
	- Post-use source							
Biologically renewable content	- Animal		-	No chemicals can be traced back to animal sources. The main contributor to this figure is a wood extract derivative.				
	- Vegetal		≤ 5%					

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 <sup>(b)</sup>	GS- BM <sup>(b)</sup>
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.	<b>LT-1:</b> Chemical is found on an authoritative list of the most-toxic chemicals	<b>BM1:</b> Avoid: Chemical of High Concern
low concern	EC 1907/2006 applicable to this article.	<b>LT-P1:</b> Chemical may be a serious hazard, but the confidence level is lower	<b>BM2:</b> Use but search for Safer Substitutes
High concern – Task for material optimization	XVII or XIV: Substance listed in Annex XVII (Restriction) or Annex XIV (Authorisation) of REACH regulation applicable to this article	<b>LT-UNK:</b> Unknown (no data on List Translator Lists)	<b>BM3:</b> Use but still opportunity for improvement
Risk cannot be verified	SVHC: Substance of Very High Concern. Candidate for listing in Annex XIV (Authorization list) of REACH Regulation at a concentration above 0.1%		<b>BM4:</b> Prefer: Safer Chemical
Task for knowledge development	- : Not applicable due to missing CAS		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 [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 \(LCI values\)](#)