DESSO EcoBase PA6 Continuous Dyed Carpet Tiles

Issued to: TARKETT

Product specifications DESSO Tempra EcoBase, DESSO Torso EcoBase, DESSO Torso Marine 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: 39937.3

5348 / C2C V3.1

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	13.8-20%		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.	LT-UNK	✓
	Polyethylenterephthalate	25038-59-9	7.8-18.3%			LT-UNK	✓
	Butadiene Styrene Copolymer	9003-55-8	3.8%			LT-UNK	✓
	Polypropylene	9003-07-0	1.1-1.5%			LT-P1	✓
	Proprietary	Proprietary 1	2.5-3.6%			LT-UNK	✓
		Proprietary 2	4.6-6.4%			LT-UNK	✓
						LT-1	✓
						N.I.	✓
Fillers	Calcium carbonate	13397-25-6	36.1-49.8%		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	3.3%		Filler with flame retardant properties. No concern in the finished product.	LT-UNK	✓
Pigments	Carbon Black	1333-86-4	0.1-0.4%		Potential health issues related to dust inhalation during production. No concern in the finished product.	BM1	✓
	Titanium Dioxide	13463-67-7				LT-1	✓
Dyes	Acid orange 67	12220-06-3	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				LT-UNK	✓
	Reactive red 66	70210-39-8				LT-UNK	✓
	Acid Yellow 246	119822-74-1				N.I.	✓
	Proprietary	Proprietary 2				LT-P1	✓
						LT-UNK	✓
						None	✓
	Acid blue 113	3351-05-1				LT-UNK	✓
	Acid red 127	61724-32-1				N.I.	✓
	Acid red 260	52333-30-9				LT-UNK	✓
	Basic Blue 123	73560-47-1				N.I.	✓
	Basic red 23	54392-43-7				N.I.	✓
	Basic Yellow 28	54060-92-3				LT-UNK	✓
	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	✓
	Proprietary	Proprietary 2				LT-P1	✓
						LT-UNK	✓
		Proprietary 3				LT-UNK	✓

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GC-BM[(a)]	REACH
Reinforcement	Glass scrim	65997-17-3	0.2-0.25%		Glass filaments embedded in the heavy coating. No concern.	LT-UNK	✓
Additives, processing aids and impurities	Water	7732-18-5	6.2-6.7%		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				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	✓
						None	✓
						N.I.	✓
		Proprietary 3				N.I.	-
	Proprietary	Proprietary 3				N.I.	-

THEREOF:

Content sourced from abundant minerals		-	Not applicable
Recycled content	- Pre-use source	36-50%	Used calcium carbonate occurs as by-product of industrial operations.
	- 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.

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EPEA
PART OF DREES & SOMMER

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)