

MHS

Material Health Statement

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MHS står för "Material Health Statement" och är ett dokument framtaget för att transparent redovisa ett materials hälsoprofil, tredjepartsverifierat av EPEA (Agency for Environmental Protection Encouragement Agency). Denna materialutvärderingsdeklaration är ett frivilligt initiativ från Tarkett som bygger på resultaten från Cradle to Cradle's utvärderingsprocess för en produkts kemiska innehåll.

I första stege sker en inventering av de råvaror som används i våra produkter ner till 0,01 viktprocent. Detta steg görs av EPEA i nära samarbete med Tarketts leverantörer. Därefter görs en risk-klassificering med hjälp av REACH- och CLP-reglering samt Green Screen List Translator (GS-LT, som är en amerikansk klassificering av kemikalier), tillsammans med mer än 100 kemiska risk-listor och vetenskapliga källor till toxikologisk information för respektive ämne.

Efter att material har utvärderats, inklusive risk i den avsedda användningen (specifikt golv), ges de en färgkodad rekommendation:

- **Mörkgrön: "No concern"** (Ingen risk)
- **Ljusgrön: "Moderate concern"** (Låg risk)
- **Röd: "High concern, task for material optimization"** (Hög risk. Uppgift för materialoptimering.)
- **Grå: "Unknown concern, task for knowledge development"** Okänd risk. Uppgift för kunskapsutveckling.)

Obs: Samtliga ingredienser som används av Tarkett överensstämmer med REACH-förordningen. EPEA:s rekommendationer kring materialoptimering handlar om att proaktivt minska hälso- eller miljöpåverkan långt utöver minimikraven för REACH, där ju deklareringsplikten är begränsad till 0,1 % av SVHC och kandidatämnen (bilagorna XIV och XVII) i REACH-förordningen.

IQ One

Issued to: Tarkett
 Issue date: 23 May 2018
 Expiration date: 22.May 2020
 Evaluation threshold: At least 100 ppm of the final product
 After-use scenario: [Tarkett ReStart® program](#)
 EPEA Registry No: 39689.2



Certificate 3476
 Expires 22 May 2020

MHS Version: 2.0

Function	Chemical name	CAS	Content	Rating	Comment	GS-LT GS-BM	REACH
Polymers	Thermoplastic polyurethane	Proprietary 2	25-30%		Polymer compound suitable for thermoplastic recycling. No indication for concern relating to exposure to synthesis impurities or thermal degradation products	LT-UNK, N.I.	✓
	Other	Proprietary 1	15-20%			LT-UNK	✓
	Polyolefin	Proprietary 2	4-5%			LT-UNK	✓
	Polydimethylsiloxane	9016-00-6	<2%			LT-UNK	✓
	Modified Polydimethylsiloxane	-	<0.3%			N.I.	✓
Flame retardant	Aluminium hydroxide	21645-51-2	45-50%			BM2	✓
Stabilizers/ Formulation auxiliaries	Zinc distearate	557-05-1	<4%		Stabilizers added directly or conveyed to IQ One as stabilizers of used inputs. Chemically almost completely defined at EPEA and safe	LT-UNK	✓
	Light Stabilizer 622	65447-77-0				LT-UNK	✓
	Pentaerythritol tetra-di-T-butyl hydroxyhydrocinnamate	6683-19-8				LT-1	✓
	Other antioxidants	Proprietary 2				LT-UNK	✓
	Synthetic amorphous silica	112945-52-5				LT-UNK	✓
	Maleic anhydride	108-31-6				LT-UNK	✓
	Aluminum phosphate	7784-30-7				LT-UNK	✓
	UV-Stabilizers	Proprietary 2				LT-UNK	✓
	Other formulation auxiliaries	Proprietary 2				LT-UNK, N.I.	✓
	Proprietary 3		N.I.	✓			
Pigments	Pigment White 6	13463-67-7	<0.5%		Potential health issues related to dust inhalation during mining/production. No concern in the finished product	LT-1	✓
	Other Pigments	-	<0.1%			N.I.	✓
	Pigment Blue 29	101357-30-6			Positively defined mineral and organic pigments	N.I.	✓
	Pigment Violet 19	1047-16-1				LT-UNK	✓
	Pigment yellow 180	77804-81-0				LT-UNK	✓
	Pigment Black 7	1333-86-4				BM1	✓
	Pigment blue 15:3	147-14-8				BM3	✓
Pigment Red 178	3049-71-6			LT-UNK	✓		
Coating	Aliphatic urethane/acrylic copolymer	Proprietary 3	0,23%			N.I.	✓
	1-Hydroxy-Cyclohexyl-Phenyl-Ketone	947-19-3	0,01%			LT-P1	✓
	Other coating components	Proprietary 2	0,05%			LT-UNK, N.I.	✓
Impurities	Sodium oxide	1313-59-3	0,04%			LT-UNK	✓

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 [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*

- 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*

- 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

* 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](#))