

iQ One

Issued to:	TARKETT
Issue date:	15.12.2022
Expiration date:	14.12.2024
Evaluation threshold:	At least 100 ppm of the final product
After-use scenario:	TARKETT ReStart® Program
EPEA Registry No:	39689.4
MHS Version:	2.0

FUNCTION	CHEMICAL	CAS	CONTENT	EPEA RATING	COMMENT	GS-LT GS-BM ^(a)	REACH	
Polymers	Thermoplastic polyurethane	Proprietary 2	47.3%	b	Polymer compound suitable for thermoplastic recycling. No indication for concerns relating to exposure to synthesis impurities or thermal degradation products	LT-UNK	✓	
	Butadiene Styrene Copolymer	9003-55-8		c		BM1	✓	
	Other polymers	Proprietary 1		c		LT-P1	✓	
			c	LT-UNK		✓		
			c	None		✓		
			c	LT-UNK		✓		
Fillers	Aluminium trihydrate	1333-84-2	44.2%	c	Crystalline silica is a natural impurity of dolomite present in the product at a level <0.05%. No concern in the application.	LT-UNK	✓	
	Dolomite	16389-88-1		b		LT-UNK	✓	
	Crystalline silica - Quartz type	14808-60-7		c		LT-1	✓	
Additives, formulation auxiliaries and impurities	1-(2-Hydroxyethyl)-4-hydroxy-2,2,6,6-tetramethyl piperidine-succinic acid, dimethyl ester, copolymer	65447-77-0	6.3%	c	Stabilizers added directly or conveyed to IQ One as stabilizers of used raw materials. Chemically completely defined at EPEA and safe in the application.	LT-UNK	✓	
	Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8		c		LT-UNK	✓	
	2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol	70321-86-7		c		BM1	✓	
	Zinc distearate	91051-01-3		c		LT-UNK	✓	
	Maleic anhydride	108-31-6		c		LT-P1	✓	
	Sodium oxide	12401-86-4		c		LT-UNK	✓	
	Other antioxidants and stabilizers	Proprietary 2				c	LT-UNK	✓
						c	LT-P1	✓
c			BM1		✓			
c			N.I.		✓			
Pigments	Titanium Dioxide	13463-67-7	1.5%	c	Positively defined mineral and organic pigments. Potential health issues related to dust inhalation during mining and production of titanium dioxide. No concern in the finished product	LT-1	✓	
	Carbon Black	61512-59-2		c		N.I.	✓	
	Pigment yellow 180	77804-81-0		c		LT-UNK	✓	
	Pigment Red 178	3049-71-6		c		LT-UNK	✓	
	Pigment Violet 19	1047-16-1		c		LT-UNK	✓	
	Pigment Blue 29	1302-83-6		c		None	✓	
	Pigment blue 15:3	147-14-8		c		LT-UNK	✓	
	Aluminum phosphate	7784-30-7		c		LT-UNK	✓	
	Zirconium dioxide	1314-23-4		c		LT-UNK	✓	
Silicon dioxide	69012-64-2	b	LT-P1	✓				
Surface treatment	Proprietary	Proprietary 2	0.63%	c	Aliphatic urethane acrylic non-ionic copolymer free of tin organic compounds	LT-UNK	✓	
		Proprietary 3		c		LT-P1	✓	
		c		N.I.		-		
		c		N.I.		-		

THEREOF			
Content sourced from abundant minerals	44.2%	Aluminium trihydrate relies on bauxite. Bauxite and dolomite are abundant resource reservoirs.	
Recycled content	- Internal post-industrial source (Reprocessed own production output)	25.5%	The production of iQ One relies exclusively on virgin resources and defined recycled materials with the same chemical composition.
	- Post-installation / Pre-use source		
	- Post-use source		
Biologically renewable content	- Animal	-	No raw materials of biological origin are identifiable in the product build-up.
	- 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](#)). 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 or 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](#))