

HPD UNIQUE IDENTIFIER: 318634100736

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Keope specialised in the manufacture and marketing of products in technical porcelain stoneware and later concentrated its efforts on the production of indoor and outdoor floor and wall tiles, acquiring an important share in the latter market segment. Today, Keope is the leader in the offer of ceramic products that blend the indoors and outdoors of private homes and commercial spaces, and thus plays an important role in setting new trends in interior design. Section 1: Summary

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
☐ Nested Materials Method	☒ 100 ppm	☒ Completed	Characterized ☒ Yes ☐ No
☒ Basic Method	☐ 1,000 ppm	☐ Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Completed	Screened ☒ Yes ☐ No
☐ Material	☐ Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
☒ Product		☒ Yes ☐ No	Identified ☒ Yes ☐ No
			<i>Provided name and CAS RN or other identifier.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

CERAMICHE KEOPE PORCELAIN STONEWARE [CLAY NoGS

FELDSPAR POWDER NoGS SAND NoGS FRITS, CHEMICALS LT-P1 |

MUL]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The final product (ceramic porcelain tile and slabs for floor and wall, for internal and external use), are inert and fully vetrified. Ceramic porcelain tile are fired at high temperature (1225 °C or 2237 °F)

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: Inherently non-emitting source per LEED

SUSTAINABILITY: ISO 17889-1:2021

SUSTAINABILITY: LEED rating assesment for Ceramiche Keope ceramic tiles and slabs

SUSTAINABILITY: THE WELL BUILDING STANDARD ® V2 - CERAMIC TILES AND SLABS

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2024-03-25
☐ Yes	VERIFIER:	PUBLISHED DATE: 2024-04-15
☒ No	VERIFICATION #:	EXPIRY DATE: 2027-03-25

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

CERAMICHE KEOPE PORCELAIN STONEWARE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Ceramic tile is considered as a single component resulting from the vitrification process in the high temperature kiln process. Since individual chemical components are not made available from the finished product, residuals and impurities have no separate impact in the preparation of this HPD. No warnings or hazards are associated with the final, finished product.

OTHER PRODUCT NOTES:

CLAY

ID: 1302-87-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-03-25 8:34:02

%: 35.0000 - 45.0000

GreenScreen: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

FELDSPAR POWDER				ID: 12168-80-8	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-03-25 8:34:54		
%: 20.0000 - 40.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES:					

SAND		ID: 308075-07-2	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-03-25 8:35:33	

%: 15.0000 - 25.0000GreenScreen: NoGSRC: NoneNANO: NoSUBSTANCE ROLE: Structure component

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES:		

FRITS, CHEMICALSID: 65997-18-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-03-25 8:36:20	
%: 1.0000 - 6.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES:				

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Inherently non-emitting source per LEED	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italia CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2024-03-25 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: None
SUSTAINABILITY	ISO 17889-1:2021	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italia CERTIFICATE URL: https://cdn.keope.com/website/media/t3vlnp0f/ceramiche-keope-iso-17889.pdf CERTIFICATION AND COMPLIANCE NOTES: C513085	ISSUE DATE: 2022-03-07 00:00:00 EXPIRY DATE: 2025-03-06 00:00:00	CERTIFIER OR LAB: DNV Business Assurance Italy Srl
SUSTAINABILITY	LEED rating assesment for Ceramiche Keope ceramic tiles and slabs	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italia CERTIFICATE URL: https://cdn.keope.com/website/media/ilxb3njw/certificato-leed-2023-aggiornato.pdf CERTIFICATION AND COMPLIANCE NOTES: 13194-2018-PC-ITA-DNV Rev 4.0 Have been evaluated in conformity with requirements defined by following documents: • LEED® v4.1 Building Design and Construction (July 2019), issued by US Green Building Council • Contributions from ceramic tiles to LEED® v4 system, 11/06/2015, issued by Confindustria Ceramica - Italy	ISSUE DATE: 2018-09-17 00:00:00 EXPIRY DATE: 2024-09-17 00:00:00	CERTIFIER OR LAB: DNV Via Energy Park, 14 20871 Vimercate (MB), Italy
SUSTAINABILITY	THE WELL BUILDING STANDARD ® V2 - CERAMIC TILES AND SLABS	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italia CERTIFICATE URL: https://cdn.keope.com/website/media/150i0xch/rev-0-well-ceramiche-keope.pdf CERTIFICATION AND COMPLIANCE NOTES: 10000429928-PA-DNV GL-ITA Rev. 0	ISSUE DATE: 2021-10-28 00:00:00 EXPIRY DATE: 2024-10-27 00:00:00	CERTIFIER OR LAB: DNV Via Energy Park, 14, 20871 Vimercate (MB), Italy
SAFETY AND HEALTH HAZARD	Safety Data Sheet acc. to OSHA HCS	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italia CERTIFICATE URL: https://cdn.keope.com/website/media/5i2h3hco/keope-porcelain-tiles-pavers-and-porcelain-tile-panels-slabs-us-rev1.pdf CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2019-07-10 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: Studio Alfa SpA

SUSTAINABILITY	EPD Keope Porcelain Stoneware (6 mm thickness) HUB-1248	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2024-03-22 00:00:00	CERTIFIER OR LAB: Magaly
APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italy	EXPIRY DATE: 2029-03-22 00:00:00	Gonzalez Vazquez
CERTIFICATE URL: https://cdn.keope.com/website/media/ywhmi1cu/epd_ceramiche_keope_keope_porcelain_stoneware_-6_mm_thickness-_hub-1248_2024-03-25.pdf		
CERTIFICATION AND COMPLIANCE NOTES: Declared unit: 1 m2 of ceramic tile for covering Mass unit: 14.79 kg Usefull Life Declared: 50 years GWP-total (A1-A3): 5.07 kg CO2e		

SUSTAINABILITY	EPD Keope Porcelain Stoneware (9 mm thickness) - HUB-1198	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2024-03-01 00:00:00	CERTIFIER OR LAB: Haiha Nguyen
APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italy	EXPIRY DATE: 2029-03-01 00:00:00	
CERTIFICATE URL: https://cdn.keope.com/website/media/0gldn3es/epd_ceramiche_keope_keope_porcelain_stoneware_-9_mm_thickness-_hub-1198_2024-03-01.pdf		
CERTIFICATION AND COMPLIANCE NOTES: Declared unit: 1 m2 of ceramic tile for covering Mass unit: 20.69 kg Usefull Life Declared: 50 years GWP-total (A1-A3): 7.90 kg CO2e		

SUSTAINABILITY	EPD Keope Porcelain Stoneware (20 mm thickness) - HUB-1197	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2024-03-01 00:00:00	CERTIFIER OR LAB: Haiha Nguyen
APPLICABLE FACILITIES: Ceramiche Keope Via dell'Industria, 1, Villaggio La Macina 42013 Casalgrande (RE), Italy	EXPIRY DATE: 2029-03-01 00:00:00	
CERTIFICATE URL: https://cdn.keope.com/website/media/2vilpqqt/epd_ceramiche_keope_keope_porcelain_stoneware_-20_mm_thickness-_hub-1197_2024-03-01.pdf		
CERTIFICATION AND COMPLIANCE NOTES: Declared unit: 1 m2 of ceramic tile for coverin Mass unit: 45.53 kg Usefull Life Declared: 50 years GWP-total (A1-A3): 18.2 kg CO2e		

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

RECCOMENDATIONS, WARNING AND DISCLAIMERS

MANUFACTURER (OR GENERIC): Generic

HPD URL: <https://www.keope.com/en/porcelain-stoneware/technical-information>
ACCESSORY TYPE: Other
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: In this page you will find useful information for a correct laying of porcelain stoneware, indications for correct disposal of residual material and suggestions with respect to cleaning and the use of joints and grouting. - <https://www.keope.com/en/porcelain-stoneware/technical-information>

CLEANING STONEWARE

MANUFACTURER (OR GENERIC): Generic

HPD URL: <https://cdn.keope.com/website/media/bmcp4fix/prodotti-per-la-pulizia-piastrelle-gres-porcellanato.pdf>
ACCESSORY TYPE: Cleaning Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: How to clean Porcelain Stoneware

Section 5: General Notes

TERMS AND DEFINITIONS: 1) CERAMIC TILE: thin slab made from clays and/or other inorganic raw materials, generally used as covering for floors and walls, usually shaped by extruding or pressing at room temperature, then dried and subsequently fired at temperature sufficient to develop the required properties. Tiles may be glazed (GL) or unglazed (UGL); they are incombustible and are not affected by light. 2) PORCELAIN TILE: fully vitrified tile with water absorption coefficient less or equal to a mass fraction of 0.5%, belonging to group A1a and B1a.

Company profile:

<https://www.keope.com/en/company/about-us>

MANUFACTURER INFORMATION

MANUFACTURER: **Ceramiche Keope**
ADDRESS: **Via Statale, 21**
Casalgrande, Reggio Emilia 42013
COUNTRY: **Italy**

WEBSITE: **<https://www.keope.com>**
CONTACT NAME: **Aldo Zanni**
TITLE: **Quality Manager**
PHONE: **+393453664656**
EMAIL: **a.zanni@keope.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,*
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and

