

Ceramic Glazed Tiles Blb

by Pavigrés Cerâmicas SA

HPD UNIQUE IDENTIFIER: 73329469
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 09 30 13 Ceramic Tiling
PRODUCT TYPE: Ceramic (Tile)
PRODUCT DESCRIPTION: Dry-pressed ceramic tiles with water absorption between 0.5% and 3% ($0.5\% \leq Eb \leq 3\%$), manufactured by Pavigrés Cerâmicas S.A. The tiles are intended for internal and external walls and flooring. The tiles are fired at high temperature, resulting in a durable, inert ceramic body.

SCREENING DATE: 2026-08-13
PUBLISHED DATE: 2026-08-21
EXPIRY DATE: 2029-08-13
PREPARER: Self-Prepared

Health Product
Declaration v3.0
created via: HPDC Online Builder

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	
→ Basic Method	→ Completed	
Threshold Disclosed Per	Explanation(s) provided :	For all contents above the threshold, the manufacturer has:
→ Product	Yes	Characterized Provided weight and role.
Threshold Level		Screened Provided screening results using HPDC-approved methods.
→ 100 ppm		Identified Provided name and CAS RN or other identifier.

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
CERAMIC GLAZED TILES Blb [SILICA, VITREOUS (AMORPHOUS SILICA) LT-1 | CAN
ALUMINUM OXIDE BM-2 | CAN | MAM SODIUM OXIDE BM-2 POTASSIUM OXIDE BM-2
MAGNESIUM OXIDE BM-3dg | CAN | MAM FERRIC OXIDE BM-1 * | CAN | MAM CALCIUM
OXIDE (PRIMARY CASRN IS 1305-78-8) BM-2 | SKI | MAM | EYE TITANIUM DIOXIDE BM-1 * |
CAN | END | MAM MANGANESE (II) OXIDE LT-UNK | SKI | EYE | MAM]

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 100 ppm] threshold to act as antimicrobials.

Ceramic tile is considered as a single component resulting from the vitrification process in the high temperature kiln process. No warnings or hazards are associated with the final, finished product.

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE See Section 3 for additional listings.
VOC emissions: Inherently non-emitting source per LEED
Management: ISO 9001:2015 Quality management systems
Management: ISO 14001:2015 - Environmental management systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

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 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

CERAMIC GLAZED TILES BIB

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients (water and mineral based naturally occurring materials) into the final fired tile product and no residuals remain.

OTHER PRODUCT NOTES:

SILICA, VITREOUS (AMORPHOUS SILICA)

ID: 60676-86-0

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-08-13 6:13:36

%: 70.8000 - 74.8000

GreenScreen: LT-1

RC: PreC

NANO: No

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The finished tiles are stable, odourless, non-flammable and there is no release of hazardous substances, therefore do not present any kind of immediate hazard to health. Even though crystalline silica (SiO2) is present in the finished product, it does not exist nor is released as respirable fraction. This respirable fraction can only be formed when altering the finished product in operations such as cutting. Only in this case it should be considered as a hazard.

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-08-13 6:17:48

%: 16.8000 - 18.8000

GreenScreen: BM-2

RC: PreC

NANO: No

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025 Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026 Children's Toy Products

SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

SODIUM OXIDE

ID: 1313-59-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-08-13 6:21:29

%: 2.0000 - 3.0000

GreenScreen: BM-2

RC: PreC

NANO: No

SUBSTANCE ROLE: Ceramic body

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: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

POTASSIUM OXIDE

ID: 12136-45-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-08-13 6:23:12

%: 2.0000 - 3.0000

GreenScreen: BM-2

RC: PreC

NANO: No

SUBSTANCE ROLE: Ceramic body

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: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

MAGNESIUM OXIDE

ID: 1309-48-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2026-08-13 6:28:02

%: 0.3000 - 2.3000

GreenScreen: BM-3dg

RC: PreC

NANO: No

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
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ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-08-13 6:24:46	
%: 0.9000 - 1.9000	GreenScreen: BM-1	RC: PreC	NANO: No	SUBSTANCE ROLE: Ceramic body
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**		
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]**		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.				
**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2026-08-13 6:26:43	
%: 0.9000 - 1.9000	GreenScreen: BM-2	RC: PreC	NANO: No	SUBSTANCE ROLE: Ceramic body
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]		
SKI	GHS - New Zealand	Skin corrosion category 1C		
EYE	GHS - New Zealand	Serious eye damage category 1		
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]		
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]		
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.				

%: **0.2500 - 0.3500**

GreenScreen: **BM-1**

RC: **PreC**

NANO: **No**

SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor**
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**
CAN	IARC	Group 2b - Possibly carcinogenic to humans**
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemical Ingredients list (SCIL)
		Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025
		Cosmetics and Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026
		Cosmetics & Personal Care Products

SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

MANGANESE (II) OXIDE

ID: **1344-43-0**

%: **0.0100 - 0.0300**

GreenScreen: **LT-UNK**

RC: **PreC**

NANO: **No**

SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2025

RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v5.0 Product Standard Restricted Substances - Effective March 16, 2026
		Children's Toy Products

SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.



Section 3: Compliance

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	
COMPLIANCE TYPE: Self-declaration	ISSUE DATE: 2026-08-17	EXPIRY DATE: No expiration
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE:		
APPLICABLE FACILITIES: EUROPEAN CERAMIC TILE MANUFACTURERS' FEDERATION - CET guidance concerning the French Regulation on labelling of products' performance in terms of emissions of volatile organic compounds (VOC) – application to ceramic tiles. "Application to ceramic wall and floor tiles: Ceramic wall and floor tile containing no post-fire adhesives, waxes, coatings or surface applications can claim to belong to the top class without testing, since tile is fired at very high temperatures, usually in excess of 1.000°C1. At such high temperatures, any organics that might be present in clays or binders are completely burned away. As a result, the final product is inert and has no VOCs that can be emitted."		
COMPLIANCE URL: https://pavigres.com/		
COMPLIANCE NOTES:		

MANAGEMENT	ISO 9001:2015 Quality management systems	
COMPLIANCE TYPE: Third-party certification	ISSUE DATE: 2023-11-17	EXPIRY DATE: 2026-11-21
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: APCER		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE: Company-wide		
APPLICABLE FACILITIES: All		
COMPLIANCE URL: https://pavigres.com		
COMPLIANCE NOTES:		

MANAGEMENT	ISO 14001:2015 - Environmental management systems	
COMPLIANCE TYPE: Third-party certification	ISSUE DATE: 2023-11-17	EXPIRY DATE: 2026-11-30
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: APCER		
COMPLIANCE DETAILS:		
COMPLIANCE SCOPE:		
APPLICABLE FACILITIES: All		
COMPLIANCE URL: https://pavigres.com		
COMPLIANCE NOTES:		



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.

No accessories are required for this product.



Section 5: General Notes

Additional technical documentation, including product datasheets, the CE Declaration of Performance (DoP), Environmental Product Declarations (EPD), FDES, other environmental information, and management system certifications such as ISO 9001 and ISO 14001, is available on the Pavigrés Cerâmicas website. These documents provide complementary product and sustainability information that is not included within the scope of this HPD.



MANUFACTURER INFORMATION

MANUFACTURER: **Pavigrés Cerâmicas SA**
ADDRESS: **Avenida Almas Domingas, n.º 12**
Anadia, Aveiro 3780-244
COUNTRY: **Portugal**

WEBSITE: **<https://pavigres.com>**
CONTACT NAME: **Pavigrés Cerâmicas S.A.**
TITLE: **Pavigrés Cerâmicas S.A.**
PHONE: **(+351) 231 510 600**
EMAIL: **geral@pavigres.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming

LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

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 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 for compliance with the HPD standard noted.