

CLASSIFICATION: 09 30 00 Finishes: Ceramic Tiles

PRODUCT DESCRIPTION: Dry-pressed ceramic tiles with low water absorption for internal and external flooring and walls. Group Bla - ISO 13006 Annex G.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

Threshold level

- 100 ppm
 1,000 ppm
 Per GHS SDS
 Per OSHA MSDS
 Other

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided
for Residuals/Impurities?

- Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

All substances disclosed by Name (Specific or Generic) and 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

CERAMIC TILES GROUP BIA - ISO 13006 ANNEX G [SILICA, VITREOUS (PRIMARY CASRN IS 60676-86-0) LT-1 | CAN QUARTZ LT-1 | CAN MULLITE (AL6O5(SIO4)2) LT-UNK FELDSPAR LT-UNK | RES]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

"Ceramic" is not screened by HPD Collaborative because it is regarded as special condition. Ceramic tiles are the result of the physical and chemical reactions occurred during kiln-firing process (1200°C). All the initial raw materials (clay, sand, feldspar) are completely transformed into the final fired tile product and no residuals remains.

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: UL/GreenGuard Gold Certified

VOC emissions: UL/GreenGuard Certified

Management: ISO 9001:2015 Quality management systems

Management: ISO 14001:2015 Environmental management systems

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-09-18

PUBLISHED DATE: 2019-09-19

EXPIRY DATE: 2022-09-18



Section 2: Content in Descending Order of Quantity

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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

CERAMIC TILES GROUP BIA - ISO 13006 ANNEX G

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Ceramic tiles are the result of the physical and chemical reactions occurred during kiln-firing process (1200°C). All the initial raw materials (clay, sand, feldspar) are completely transformed into the final fired tile product and no residuals remains.

OTHER PRODUCT NOTES: The finished fired tiles are odorless, stable, non-flammable and pose no immediate hazard to have. If dust is produced by cutting tiles during installation process or by any other operations (including demolition/removal), respiratory, hand and eye protections may be needed to prevent excess exposure to airborne particulates. ONLY in this case, an hazard to health could arise due to breathable crystalline silica. This hazard is associated to occupational use only. It is not associated with the end use of the final fired product that is purchased, installed and used by the customer.

SILICA, VITREOUS (PRIMARY CASRN IS 60676-86-0)

ID: 1417404-62-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-18

#: 75.00 - 85.00

GS: LT-1

RC: None

NANO: No

ROLE: Finished product

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

SUBSTANCE NOTES: Range due to the variation in product family. Hazard associated to occupational use only. It is not associated with the end use of the final fired product that is purchased, installed and used by the customer.

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-18

#: 10.00 - 15.00

GS: LT-1

RC: None

NANO: No

ROLE: Finished product

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Range due to the variation in product family. Hazard associated to occupational use only. It is not associated with the end use of the final fired product that is purchased, installed and used by the customer.

MULLITE (AL6O5(SIO4)2)

ID: 1302-93-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-09-18**

#: **2.50 - 5.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finished product**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Range due to the variation in product family. Hazard associated to occupational use only. It is not associated with the end use of the final fired product that is purchased, installed and used by the customer.

FELDSPAR

ID: 68476-25-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-09-18**

#: **0.00 - 5.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Finished product**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Range due to the variation in product family. Hazard associated to occupational use only. It is not associated with the end use of the final fired product that is purchased, installed and used by the customer.

Section 3: Certifications and 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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2019-07-16** EXPIRY DATE: **2020-06-30** CERTIFIER OR LAB: **UL**
APPLICABLE FACILITIES: **All products.**
CERTIFICATE URL: <https://spot.ul.com/main-app/products/catalog>

CERTIFICATION AND COMPLIANCE NOTES: **UL 2018-2013 Gold standard for chemical emissions for building materials, finishes and furnishing.**

VOC EMISSIONS

UL/GreenGuard Certified

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2019-07-16** EXPIRY DATE: **2020-06-30** CERTIFIER OR LAB: **UL**
APPLICABLE FACILITIES: **All products.**
CERTIFICATE URL: <https://spot.ul.com/main-app/products/catalog>

CERTIFICATION AND COMPLIANCE NOTES: **UL 2018-2013 Standard for chemical emissions for building materials, finishes and furnishing.**

MANAGEMENT

ISO 9001:2015 Quality management systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-07-27** EXPIRY DATE: **2021-09-15** CERTIFIER OR LAB: **Certiquality**
APPLICABLE FACILITIES: **All facilities.**
CERTIFICATE URL:
<https://www.emilgroup.it/certificazioni>

CERTIFICATION AND COMPLIANCE NOTES: **PRODUCTION OF SPRAY-DRIED POWDER: grinding and spray-drying through cogeneration and use of thermal and electrical energy. RESEARCH, DESIGN AND DEVELOPMENT – PRODUCTION AND SELLING OF CERAMIC SLABS, TILES AND DECORATIONS FOR FLOORING AND WALL FINISHING: pressing, drying, glazing, firing, cutting, squaring, polishing, sorting, packaging and storage – by using thermal and electrical energy.**

MANAGEMENT

ISO 14001:2015 Environmental management systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-07-27** EXPIRY DATE: **2020-07-08** CERTIFIER OR LAB: **Certiquality**
APPLICABLE FACILITIES: **All facilities.**
CERTIFICATE URL:
<https://www.emilgroup.it/certificazioni>

CERTIFICATION AND COMPLIANCE NOTES:

MANAGEMENT

OHSAS-18001 Occupational Health and Safety Assessment Standard

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2019-02-07** EXPIRY DATE: **2020-07-08** CERTIFIER OR LAB: **Certiquality**
APPLICABLE FACILITIES: **All facilities.**
CERTIFICATE URL:
<https://www.emilgroup.it/certificazioni>

CERTIFICATION AND COMPLIANCE NOTES:
Ceramic Tiles Group Bla - ISO 13006 Annex G
hpcrepository.hpdc-collaborative.org

MANAGEMENT

ISO 50001:2011 Energy management system

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-07-11**

EXPIRY DATE: **2021-08-19**

CERTIFIER OR LAB: **Certiquality**

APPLICABLE FACILITIES: **All facilities.**

CERTIFICATE URL:

<https://www.emilgroup.it/certificazioni>

CERTIFICATION AND COMPLIANCE NOTES:

LCA

Environmental Product Declaration (EPD) by IBU - Industry Generic

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-09-26**

EXPIRY DATE: **2021-09-25**

CERTIFIER OR LAB: **IBU**

APPLICABLE FACILITIES: **All products.**

CERTIFICATE URL: [https://ibu-](https://ibu-epd.com/en/published-epds/)

[epd.com/en/published-epds/](https://ibu-epd.com/en/published-epds/)

CERTIFICATION AND COMPLIANCE NOTES: **Declaration n° EPD-COI-20160202-ICG1-EN Italian ceramic tiles - Confindustria Ceramica**

RECYCLED CONTENT

Recycled content

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2017-02-01**

EXPIRY DATE:

CERTIFIER OR LAB: **Emilceramica S.r.l.**

APPLICABLE FACILITIES: **All products that contains at least 8% of pre-consumer recycled material.**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **All products that contains at least 8% of pre-consumer recycled material. Self-declared document available under request.**

+ 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.

MORTAR AND GROUT

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Accessory materials are required for tiles installations. VOC content of the mortar and/or grout varies depending on type and brand chosen.

📖 Section 5: General Notes

Emilceramica S.r.l. is a member of USGBC and GBCItalia.



MANUFACTURER INFORMATION

MANUFACTURER: **EMILCERAMICA S.r.l.**
 ADDRESS: **Via Ghiarola Nuova 29**
Fiorano Modenese Modena 41042, Italy
 WEBSITE: **www.emilgroup.it**

CONTACT NAME: **Paola Miglioli**
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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

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 for compliance with the HPD standard noted.