

CLASSIFICATION: IN CONFORMITY WITH ANSI 137.1-2012 (PORCELAIN TILE) AND ISO 13006 – ANNEX G GROUP BIA

created via: HPDC Online Builder

PRODUCT DESCRIPTION: PORCELAIN STONWARE, PRESSED, WATER ABSORPTION LESS THAN 0.5%, FOR FLOORS AND WALLS, FOR INTERNAL AND EXTERNAL USE

 **Section 1: Summary**

**CONTENT INVENTORY**

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

- Residuals and impurities considered in 0 of 1 materials
- see Section 2: Material Notes
  - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input checked="" type="radio"/>	<input type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**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.

Number of Greenscreen BM-4/BM3 contents..... 0  
 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1  
 Nanomaterial..... No

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

**PORCELAIN CERAMIC TILES AND SLABS [ SILICA, AMORPHOUS LT-P1**  
**SILICA, VITREOUS LT-UNK MULLITE (AL6O5(SIO4)2) LT-UNK ]**

**INVENTORY AND SCREENING NOTES:**

The final product (ceramic porcelain tiles and slabs for floors and walls, for internal and external use), are inert and fully vitrified. Ceramic porcelain tiles are fired at high temperature (1.225 °C or 2.237 °F)

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE**

VOC emissions: VOC emissions certificate  
 Management: ISO 9001  
 Management: ISO 14001  
 Management: OHSAS 18001

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: March 22, 2017	EXPIRY DATE*: March 22, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: March 24, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### PORCELAIN CERAMIC TILES AND SLABS

%: 100.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: the final product is fully vitrified, fired at high temperature (1.225 °C or 2.237 °F)

#### SILICA, AMORPHOUS

ID: 7631-86-9

%: 59.0000 - 69.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: component of the final body

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: the final product is fully vitrified, fired at high temperature (1.225 °C or 2.237 °F)

#### SILICA, VITREOUS

ID: 11126-22-0

%: 22.0000 - 28.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: component of the final body

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: the final product is fully vitrified, fired at high temperature (1.225 °C or 2.237 °F)

#### MULLITE (AL6O5(SIO4)2)

ID: 1302-93-8

%: 8.0000 - 12.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: component of the final body

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: the final product is fully vitrified, fired at high temperature (1.225 °C or 2.237 °F)



## 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.

### MANAGEMENT

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Ceramiche Caesar, via Canaletto, 49 - 41042 Fiorano Modenese (MO) - ITALY  
CERTIFICATE URL: <http://www.caesar.it/images/File/caesar-iso-9001.pdf>  
CERTIFICATION AND COMPLIANCE NOTES: scope: design, manufacture and sale of porcelain stoneware ceramic tiles

### ISO 9001

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-11-20	2018-09-15	DNV-GL

### MANAGEMENT

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Ceramiche Caesar, via Canaletto, 49 - 41042 Fiorano Modenese (MO) - ITALY  
CERTIFICATE URL: <http://www.caesar.it/images/File/CAESAR-ISO-14001.pdf>  
CERTIFICATION AND COMPLIANCE NOTES: scope: fine porcelain stoneware production process, through phases of milling, spray drying, pressing, decoration and firing

### ISO 14001

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2014-07-10	2017-07-07	DNV

### MANAGEMENT

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Ceramiche Caesar, via Canaletto, 49 - 41042 Fiorano Modenese (MO) - ITALY  
CERTIFICATE URL: [http://www.caesar.it/images/File/CERAMICHE\\_CAESAR\\_Certificato\\_OHSAS\\_18001-2016-02-22.pdf](http://www.caesar.it/images/File/CERAMICHE_CAESAR_Certificato_OHSAS_18001-2016-02-22.pdf)  
CERTIFICATION AND COMPLIANCE NOTES: scope: design, manufacture and sale of fine porcelain stoneware

### OHSAS 18001

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-02-20	2019-02-20	DNV-GL

### VOC EMISSIONS

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Ceramiche Caesar, via Canaletto, 49 - 41042 Fiorano Modenese (MO) - ITALY  
CERTIFICATE URL:  
CERTIFICATION AND COMPLIANCE NOTES: certificate n° 3636/2015 applicable to Ceramiche Caesar porcelain stoneware

### VOC emissions certificate

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-09-09	2020-09-08	Main Laboratory Sassuolo

### RECYCLED CONTENT

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: Ceramiche Caesar, via Canaletto, 49 - 41042 Fiorano Modenese (MO) - ITALY  
CERTIFICATE URL: <http://www.caesar.it/images/File/Caesar-DNV.pdf>  
CERTIFICATION AND COMPLIANCE NOTES: scope: pre-consumer recycled material certification by DNV - GL

### Recycled content certification

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-09-01	2020-08-31	DNV-GL



## 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.

### ADHESIVES, SPACERS

### HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Adhesive must be spread using a notched trowel to ensure an even layer of adhesive. Make sure that the back face of the tile is entirely spread with adhesive (this will ensure perfect adhesion and correct installation of the floor). Spread adhesive on small sections of the screed (1 square metre maximum) to prevent a film forming on the adhesive, which would compromise adhesion; if a film forms, brush the trowel over the adhesive again. Take tiles from several boxes to obtain a random effect and prevent 'corridors' or areas that are not attractive to look at. Exert light pressure on the tile in order to ensure perfect adhesion of the back face of the tile. You can use a rubber mallet to tap the surface of the tile (pay attention when using a mallet on white or light coloured surfaces. The rubber coating of the mallet may be black and leave marks that are not easy to remove. If you are installing light coloured tiles, it is recommended to wrap the mallet's head with gummed paper). Use spacers for obtaining the joints best suiting the type of product chosen and the intended use (by way of example, for elegant tiles joints should be 2/3 mm and for country-style, rustic tiles 3 mm or more). A minimum joint of 2 mm is recommended to avoid installation without joints.



ISO 13006 Ceramic tiles — Definitions, classification, characteristics and marking 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 temperatures 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 than or equal to a mass fraction of 0,5 %, belonging to groups Ala and Bla



**MANUFACTURER INFORMATION**

MANUFACTURER: Ceramiche Caesar

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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

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

GreenScreen (GS)

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

- Nano** Composed of nanoscale particles or nanotechnology

Declaration Level

- Self-declared** Manufacturer's self-declaration (First Party)
- Independent Lab** Manufacturer's self-declaration using results from an independent lab
- Second Party** Verification by trade association or other interested party
- Third Party** Verification by independent certifier
- 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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.