

CERAMIC PORCELAIN GLASS METALS by Emser Tile

Health Product Declaration v2.1

CLASSIFICATION: 09 30 00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Ceramic, for the purpose of this HPD, shall consist of all manmade tiles provided by Emser, including but not limited to ceramic, porcelain, glass, quarry, resin and metal tiles that are intended to cover floor and/or wall assemblies as a finish material. See Section 5 for a list of Emser Tile series covered under this Multi-Product HPD. Field tiles, trims and decorative mosaics may be manufactured from a blend of substances. As such, all ingredients, including any residuals and known trace elements that make up the body and glazes of these products, have been identified and reported to 100ppm. Accessories required to complete installation such as setting materials, grouts, sealers, membranes, substrates, metal profiles and the like, will vary based on final scope of work and desired application of the product(s). Specific technical and testing data, product sizes, colors, characteristics, proper use recommendations, warranties, LEED info, SDS documents, 3 Part CSI, and list of Emser Tile locations can all be found on www.emser.com.

Section 1: Summary

Nested 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

Residuals/Impurities
Considered in 1 of 1
Materials

Explanation(s) provided
for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided? Yes No

Screened
Using Priority Hazard Lists with
Results Disclosed? Yes No

Identified
Name and Identifier Provided? 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.

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

CERAMIC PORCELAIN GLASS METALS [KAOLIN CLAY (KAOLIN CLAY) **LT-UNK** | CAN NEPHELINE SYENITE (NEPHELINE SYENITE) **LT-UNK** | FELDSPAR (FELDSPAR) **LT-UNK** | RES MICA (MICA) **LT-UNK**]

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

INVENTORY AND SCREENING NOTES:

0-40% of the body of manmade ceramic tiles are made up of Crystalline Silica in the form of Quartz or Fused Quartz. As such, these minerals are stable in their fused format and do not pose any health or safety risks.

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: VOC EMISSIONS
Multi-attribute: GREEN FRIENDLY CERTIFICATE

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-08-29
PUBLISHED DATE: 2017-08-29
EXPIRY DATE: 2020-08-29

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

CERAMIC PORCELAIN GLASS METALS

#: 0.0000 - 100.0000

HPD URL: <https://www.emser.com>

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Negligible residual amounts (0.0001-0.9%) by weight of the following elements may be present: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Copper, Manganese, Mercury, Nickel, Lead, Silver, Thallium, Tin, Titanium, Vanadium, and Zinc. These impurities may exist due to geological characteristics of clays and minerals that make up the raw ingredients of the body of ceramic tiles, as well as any other manmade or natural products containing silica, calcium and/or clays mined from the earth.

OTHER MATERIAL NOTES: Products are non-toxic and non-hazardous in their stable form as described in their respective SDS sheets. See Section 5 General Notes for a list of series covered under this HPD.

KAOLIN CLAY (KAOLIN CLAY)

ID: 1332-58-7

#: 0.0000 - 50.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: BODY

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: This substance may be the primary ingredient in ceramic tile. Products are non-toxic and non-hazardous in their stable form as described in their respective SDS sheets.

NEPHELINE SYENITE (NEPHELINE SYENITE)

ID: 37244-96-5

#: 0.0000 - 50.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: BODY

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance may be a primary ingredient in the body of the tile. Products are non-toxic and non-hazardous in their stable form as described in their respective SDS sheets.

FELDSPAR (FELDSPAR)

ID: 68476-25-5

#: 0.0000 - 15.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: GLAZE & BODY

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: This substance may be found in the body or glaze of a tile. Products are non-toxic and non-hazardous in their stable form as described in their respective SDS sheets.

MICA (MICA)

ID: 12001-26-2

#: **0.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **GLAZE & BODY**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This substance may be found in the glaze or body of the tile. Products are non-toxic and non-hazardous in their stable form as described in their respective SDS sheets.

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.

MULTI-ATTRIBUTE

GREEN FRIENDLY CERTIFICATE

CERTIFYING PARTY: **Self-declared**
APPLICABLE FACILITIES: **All. Emser Tile**
CERTIFICATE URL:

ISSUE DATE: **2017-01-01** EXPIRY DATE: CERTIFIER OR LAB: **Emser Tile**

CERTIFICATION AND COMPLIANCE NOTES: Qualification of product for points towards Material Resources and Indoor Environmental Quality available by request. As a reminder of the preciousness of the environment, Emser's Green Friendly Program is symbolized by a green leaf and the words "Green Friendly" above it. The program consists of a systematic two-prong approach. The first prong includes an effort by Emser and its trade partners to incorporate environmentally friendly practices. The second prong includes driving a companywide program amongst Emser employees to incorporate environmentally friendly office practices. Emser provides transparency and disclosure of ingredients as per the requirements of HPD and SDS forms.

VOC EMISSIONS

VOC EMISSIONS

CERTIFYING PARTY: **Self-declared**
APPLICABLE FACILITIES: **All. Emser Tile**
CERTIFICATE URL:

ISSUE DATE: **2017-01-01** EXPIRY DATE: CERTIFIER OR LAB: **Emser Tile**

CERTIFICATION AND COMPLIANCE NOTES: LEED V4 criteria for Low-Emitting Materials; VOC's - FloorScore certification, as well as California Health Services Standards as described in LEED® Green Building Rating Systems. FloorScore certification is not applicable to Emser products and is not needed to satisfy LEED® specifications. The test methodology specified in CA Department of Public Health Standard – Section 01350 is the same one used for the following certifications: SCS/RFI FloorScore, SCS Indoor Advantage, Indoor Advantage Gold, AQSI/GEI Greenguard, Greenguard - Children & Schools, CRI Green Label, Green Label Plus. Due to the temperatures that all fired tiles are exposed to during manufacturing, the presence of any off-gassing is eliminated and results in no detectable emissions of Volatile Organic Compounds (VOCs) or 0g/L. As such, The LEED credit definition states: "Mineral-based finish flooring products such as tile, masonry, terrazzo, and cut stone without integral organic-based coatings and sealants and unfinished/untreated solid wood flooring qualify for

credit without any IAQ testing requirements". For this reason, it is assumed that ceramic and porcelain floor tiles are negligible sources of VOCs and are available for credit without any testing requirements.

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.

SETTING MATERIALS

HPD URL: <https://www.emser.com>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Setting materials, by way of example but without limitation include mortar, grout, underlayments, sealer, caulking, crack isolation and waterproofing membranes, that are required to properly install tiles, must be identified at the time of tile selection. Setting materials and methods must be based on the final scope of work, compliance to building codes and ordinances and should follow the recommended industry standards provided by ANSI and TCNA.

Section 5: General Notes

Emser Tile conforms to ANSI 137 standards for manufacturing. Our tiles are quarried, produced, graded and packed to our stated specifications. Also refer to ANSI as well as the TCNA Handbook as needed for installation. Tiles are non-hazardous in their stable form. Emser recommends special care be taken during cutting and installation, including the use of gloves, goggles and respirator masks to prevent inhalation of any airborne particles and to prevent any injuries as a result of potentially sharp edges after the material is cut. This HPD complies with section 3.1 of the HPD Collaborative, "Multiple Products in a Single Listing"; the products being functionally similar, certifications and compliance applies to all products, and the content provided does not differ by more than 10%, to include the following series: Access, Action, Agra, Alchemy, Allure, Alpine, Ambiance, Angeles, Anthem, Archive, Area, Artwork, Baja, Barn, Basix, Belgio, Blue Emotion, Bombay, Borigni, Boulevard, Brentwood, Bristol, Broadway, Cabana, Canvas, Canyon, Cape Cod, Cassero, Catalyst, Charm, Chemistry, Chiado, Choice, Chronicle, Cinderblock, Citadel, City, Ciudad, Code, Coliseum, Concreto, Confetti, Cordova, Cosmopolitan, Country, Crystal, Craft, Daytona, Del Amr, Design, Direction, Downtown, Dunham, Duomo, Entity, E-Quarry, Esplanade, Eurasia, Europa, Expanse, Explorer, Finestra, Flash, Formwork, Gateway, Genoa, Gibraltar, Gleam, Grain, Granada, Grove, Hangar, Heritage, Homestead, Illumina, Imagine, Infinity, Jazz, Knoxville, Landscape, Latitude, Legacy, Link, Loft, Lucente, Lucerne, Madera, Madrid, Melbourne, Metaphor, Milestone, Modena, Morfos, Motion, Museo, Napa, Newberry, Odyssey, Origin, Pacific, Paladino, Palisades, Pamplona, Park Avenue, Parquet, Paseo, Peninsula, Pergamo, Perspective, Perspective Pure, Pietre Del Nord, Pivot, Place2B, Pocono, Primavera, Prime, Quest, Painier, Ranch, Realm, Reclaim, Residenza, Rio Grande, Rock, Sakai, Sandstorm, Sculpture, Semplice, Seville, Specular, St Moritz, St Moritz II, Stadium, Strands, Style, Surface, Talladega, Taverna, Terrane, Tex-Tile, Theory, Thread, Times Square, Titan, Toldeo, Touchstone, Trovata, Unique, Uptown, Velocity, Vertigo, Vice & Virtue, Victus, Vienna, Vista, Vogue Ceramic and Glass, Woodwork, Zephyr, Zone

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Emser Tile**
ADDRESS: **8431 Santa Monica Blvd**
Los Angeles CA 90069, United States

CONTACT NAME: **Paul Makovski**
TITLE: **Director of Technical Services & Sustainability**
PHONE: **323-650-2000**

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.