

CLASSIFICATION: 09 30 00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Natural Stone, for the purpose of this HPD, shall consist of all natural stone tiles provided by Emser, including but not limited to agate, andosite, basalt, bluestone, gem stones, granite, limestone, marble, onyx, quartzite, sandstone, slate, soapstone and travertine 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 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 Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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** CALCIUM CARBONATE (CALCIUM CARBONATE) **BM-3** MAGNESIUM OXIDE (MAGNESIUM OXIDE) **LT-UNK** | CAN]

Number of Greenscreen BM-4/BM3 contents..... 1
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-UNK
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

0-40% of the body of select natural stones may be 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. However when dry cut, causing particles to become airborne that are 10µ in diameter or smaller.

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: 2017-10-09
PUBLISHED DATE: 2017-10-09
EXPIRY DATE: 2020-10-09

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: <http://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 natural stone tiles 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. Mosaic blends may contain a combination of materials represented in this HPD including ceramic, porcelain, glass, aluminum, stainless steel, resin, quartz, Portland cement as well as multiple natural stones. It is important to note that although some of the product contain silica, it is not supplied in a respirable format and would not be controlled in their stable format under OSHA, Prop 65 or other regulatory reporting. Recommended methods of cutting using a wet saw will eliminate creation of any measureable amounts of respirable particles created during handling.

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.

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

#: **0.0000 - 40.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **BODY**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: Calcium Oxide (CAS No 1305-78-8), Quartz (CAS No 14808-60-7), Aluminum Oxide (CAS No 1344-28-1) may be present in 0-40% quantities depending on the stone or mosaic combo. However, natural stones are not regulated in their solid tile or slab form, as they do not emit or cause exposure to any reported or regulated substances when handled and fabricated correctly by the intended end user. OSHA lists these products as Category B Stones and they are considered non-toxic.

MAGNESIUM OXIDE (MAGNESIUM OXIDE)

ID: 1309-48-4

#: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: Natural stones are not regulated in their solid form. However these products of nature may contain crystalline silica. OSHA lists these products as Category B Stones and are considered non-toxic.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of

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 (or natural formation), 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.

MULTI-ATTRIBUTE

GREEN FRIENDLY CERTIFICATE

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: All. Emser Tile
CERTIFICATE URL: <https://www.emser.com>

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.

+ 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 and MIA+BSI suggested standards for manufacturing. Our tiles are quarried, produced, graded

and packed to our stated specifications. Also refer to MIA+BSI, 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: Agate, Andosite, Basalt, Bluestone, Gem Stones, Granite, Hamlet, Limestone, Marble, Metro, Mosaic, Onyx, Quartzite, Sandstone, Slate, Soapstone, Splitface, Stacked, Travertine, Treasure and any combination of materials containing natural stone products.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Emser Tile**

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

WEBSITE: **<http://www.emser.com>**

CONTACT NAME: **Paul Makovski**

TITLE: **Director of Technical Services & Sustainability**

PHONE: **323-650-2000**

EMAIL: **paulmakovski@emser.com**

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.