

CLASSIFICATION: 09 30 13 Ceramic Tiling

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

Basic Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold Level</p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p>Residuals/Impurities Evaluation</p> <p><input checked="" type="radio"/> Completed</p> <p><input type="radio"/> Partially Completed</p> <p><input type="radio"/> Not Completed</p> <p>Explanation(s) provided :</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>For all contents above the threshold, the manufacturer has:</i></p> <p>Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided weight and role.</i></p> <p>Screened <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided screening results using HPDC-approved methods.</i></p> <p>Identified <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided name and CAS RN or other identifier.</i></p>
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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

DALTILE FLOOR TILE PRODUCTS (MANUFACTURED) [KAOLIN LT-UNK | CAN | FELDSPAR LT-UNK | MAM QUARTZ BM-1 | CAN | | MAM | GEN NEPHELINE SYENITE LT-UNK | TALC BM-1 | CAN | LT-UNK

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

Contents highest-concern GreenScreen score(s)... **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: Inherently non-emitting source per GREEN

FRIENDLY CERTIFICATE

Multi-attribute: Environmental Product Declaration (EPD)

Multi-attribute: DECLARE Label

CONSISTENCY WITH OTHER PROGRAMS

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2022-12-15

PUBLISHED DATE: 2022-12-15

EXPIRY DATE: 2025-12-15

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

DALTILE FLOOR TILE PRODUCTS (MANUFACTURED)

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 into the final fired tile product and no residuals remain.

OTHER PRODUCT NOTES: During the manufacturing process, a combination of intensely high pressure and very high firing temperatures are used. These techniques create a chemical and physical change in the materials, converting any hazards into a benign, fully vitrified inert ceramic tile product.

KAOLIN

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-15-12 9:00:00

%: 0.0000 - 50.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

FELDSPAR

ID: 68476-25-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-12-15 9:00:01

%: 0.0000 - 25.0000 GreenScreen: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation. The Recycled Content of this material is 60% Pre Consumer.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-11 8:06:25**

%: **0.0000 - 20.0000** GreenScreen: **BM-1** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
	EC - CEPA DSL	Persistent
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation. The Recycled Content is 15% Pre Consumer.

NEPHELINE SYENITE

ID: 37244-96-5

%: **0.0000 - 20.0000** GreenScreen: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	EC - CEPA DSL	Persistent
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DFE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation. The Recycled Content of this material is 100% Pre Consumer.

TALC

ID: **14807-96-6**

%: **0.0000 - 5.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Ceramic body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2b - Possibly carcinogenic to humans
	EC - CEPA DSL	Persistent
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	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The range is due to variations in the different product families. Hazards, if any, are associated with occupational exposures during the manufacturing, installation, and demolition processes. No hazards are associated with the final fired product during normal use after installation.

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 GREEN FRIENDLY CERTIFICATE**

CERTIFYING PARTY: Self-declared	ISSUE DATE: 2017-01-01	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: All Emser Tile	EXPIRY DATE:	
CERTIFICATE URL:		

CERTIFICATION AND COMPLIANCE NOTES: **Inherently Non-Emitting.**

MULTI-ATTRIBUTE **Environmental Product Declaration (EPD)**

CERTIFYING PARTY: Third Party	ISSUE DATE: 2022-09-01	CERTIFIER OR LAB: UL, AENOR, Confindustria Ceramica, EPD International AB
APPLICABLE FACILITIES: All Emser Tile	EXPIRY DATE:	
CERTIFICATE URL:		

CERTIFICATION AND COMPLIANCE NOTES: **Product Specific Type III Third Party Certified.**

MULTI-ATTRIBUTE **DECLARE Label**

CERTIFYING PARTY: Third Party	ISSUE DATE: 2022-12-17	CERTIFIER OR LAB: International Living Future Institute (ILFI).
APPLICABLE FACILITIES: All Emser Tile	EXPIRY DATE:	
CERTIFICATE URL:		

CERTIFICATION AND COMPLIANCE NOTES: **Label available upon request brentshoemaker@emser.com**

+ 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

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.

E Section 5: General Notes

Emser Tile conforms to ANSI 137.1 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. All encompassing to include the following series: **ACCESS II, ACTION, AFLOAT, ALLURO, ANGELES, ANTHEM, ARCHIVE, ARTWORK, BAJA, BANZAI, BAUHAUS, BB CONCRETE, BB METAL, BB WOOD, BEACH WOOD, BIMOVA, BORGATA, BORIGNI, BOXWOOD, BRAVA, BRIQUE, BROOK II, CABIN, CABO, CASSERO II, CATALYST, CATCH, CAVANITE, CENTER, CHARISMA, CHIADO II, CHOICE II, CHRONICLE, CITIZEN, CIUDAD, CODE, COGENT, COGNITO, COLORI, CONCEPT, CONFETTI II CONNECT, CONTESSA, CORTIJO, COSMOPOLITAN, COSTA, COUNCIL, CRAFT, CUADRO, DAROCA, DENOVA, DESIGN, DIVA, DUNHAM, ECHO, EDGE, ELEGAN, EMORA, ENTITY, E-QUARRY, EROSION, ESPLANADE, ESTASI, EUPHORIA, EURASIA, EXHALE, EXPANSE, EXPLORER, EXPRESS, FLEUR, FRAGMENTO, FREGIO, GALORE, GENESIS, GEOMETRY, GLEAM, GLITZ, GLOW, GOGENT, H20, HANAMI, HANGAR, HAVANA, HEIRLOOM, HEKSA, HUES, IMMERSE, IMPACT, IMPULSE, INFINITY, INFLUENCE, INHALE, INTRIGUE, IRISH, IRONWORX, JAZZ, JUTE, KAZE, KUDOS, KUMITO, LA VIE, L' AMOUR, LARCHMONT, LATITUDE, LEGACY, LEGATI, LINK, LITERATI, LIVORNO, LUCENTE, LUXO, LYNBROOK, MASQUERADE, MILESTONE, MIZU, MODAN, MOKUZAI II, MOOD, MORIYO, MOROCCO, MOTIF II, MOTION, MYTHOS, NAGARA, NETWORK, NEWBERRY, NEWPORT, NEWTRO, NOBLEZA, NOSTALGIA, NOVA, NOVALES, NUOVO, OMBRE, OMNI, ORCHARD, ORNAMI, OUTPOST, PARKVIEW, PASSION, PICKET, PIENZA, PLACE 2 BE, POCONO, PORCH, PORTO II, POTENZA, PRODIGY, RAKU, RAVENNA, REALM II, REFORM, REGALA, REMINISCE, RESERVA, RESIDENZA, RETRO, REWARD, RHAPSODY, RHYTHM, RIFT, SANCTUARY, SANDSTORM, SCULPTURE, SENORA, SERENDRA, SILHOUETTEM SOLARA, SOURCE, SOUBENIR, SPARKLE, SPHERE, SPIN, SPLASH, STERLINA II, STYLE II, SWEDEN, SWIRL, SYNERGY, TECHNIQUE, TESOLA, THEORY, THREAD II, TIMES SQUARE, TOPANGA, TRENDZ, TROVATA II, TUBAGE, UPTOWN, VARA, VELOCITY, VERTOGO, VICENZA, VICTUS, VIRTUE, VISCONDE, VOGUE, VOLARE, WATERLACE, XTRA, YAKEDO, ZEN.**

MANUFACTURER INFORMATION

MANUFACTURER: **Emser Tile**
 ADDRESS: **8431 Santa Monica Blvd**
Los Angeles, CA, 90069, USA
 WEBSITE: **www.emser.com**

CONTACT NAME: **Brent Shoemaker**
 TITLE: **Vice President, Technical Services**
 PHONE: **213-364-8577**
 EMAIL: **brentshoemaker@emser.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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

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 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.