

CLASSIFICATION: 09 66 23.19 Finishes: Polyester-Resin Terrazzo Flooring

PRODUCT DESCRIPTION: GEM Terrazzo Tile -- 24" x 24" x 3/16" Flexible Polyester Resin Terrazzo Tile

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

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

TERRAZZO TILE - GEM COLLECTION [MARBLE (MARBLE CHIPS) LT-UNK
SOLID / PLATE GLASS (GLASS CHIPS) LT-UNK POLYESTER (RESIN) NoGS
LIMESTONE; CALCIUM CARBONATE LT-UNK 2-
NAPHTHALENECARBOXAMIDE, 4-(2-(4-
(AMINOCARBONYL)PHENYL)DIAZENYL)-3- HYDROXY-N-(2-
METHOXYPHENYL)- LT-UNK METHYL ETHYL KETONE PEROXIDE
(SOLUTION IN ALIPHATIC ESTER) LT-UNK HYDROGEN PEROXIDE LT-UNK
| PHY | SKI | CAN | MAM METHYL ETHYL KETONE LT-P1 | PHY | EYE | END]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
N/A

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CAL 1350 VOC Emissions testing

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-08-27

PUBLISHED DATE: 2018-08-28

EXPIRY DATE: 2021-08-27



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

TERRAZZO TILE - GEM COLLECTION

PRODUCT THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: The chemical processes that happen within the product as it cures, eliminate all residual content that could have existed. The only material that remain chemically the same, as when put into the product, is the marble and glass aggregate.

OTHER PRODUCT NOTES: N/A

MARBLE (MARBLE CHIPS)

ID: Not registered

#: 38.8000 GS: LT-UNK RC: Both NANO: No ROLE: Appearance and Wear Resistance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Recycled Content: PreC 22.7%, PostC 16.1%. Floorazzo receives aggregate of many different sizes and colors from several quarries in the united states. Over time, we have learned that some colors are stronger and more durable than others. We use this knowledge to pick and choose carefully which aggregate is used in our tile.

SOLID / PLATE GLASS (GLASS CHIPS)

ID: 65997-17-3

#: 21.1700 GS: LT-UNK RC: PostC NANO: No ROLE: Appearance and Wear Resistance

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Floorazzo uses many colors of glass; clear, red, brown etc. All of the glass in our product is recycled using items such as beer bottles, alcohol bottles, mirror and windows.

POLYESTER (RESIN)

ID: 113669-95-7

#: 20.3200 GS: NoGS RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The polyester resin allows the tile to be flexible.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 19.0800	GS: LT-UNK	RC: None	NANO: No	ROLE: Filler
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Calcium Carbonate is used to fill the polyester resin, to achieve the desired degree of flexibility.

2-NAPHTHALENECARBOXAMIDE, 4-(2-(4-(AMINOCARBONYL)PHENYL)DIAZENYL)-3-HYDROXY-N-(2-METHOXYPHENYL)-

ID: 36968-27-1

%: 0.4200	GS: LT-UNK	RC: None	NANO: No	ROLE: Pigment
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: The Floorazzo Tile matrix can be pigmented using a standard color, or custom-blended color.

METHYL ETHYL KETONE PEROXIDE (SOLUTION IN ALIPHATIC ESTER)

ID: 1338-23-4

%: 0.2100	GS: LT-UNK	RC: None	NANO: No	ROLE: Catalyst-Curing Agent
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: The catalyst is the curing agent for the polyester resin. After added to the resin, the matrix goes from liquid to solid.

HYDROGEN PEROXIDE

ID: 7722-84-1

%: 0.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Part of catalyst solution.
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H271 - May cause fire or explosion; strong oxidiser
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SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
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CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
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MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
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PHYSICAL HAZARD (REACTIVE)	Korea - GHS	H271 - May cause fire or explosion; strong oxidizer
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SUBSTANCE NOTES: This is part of the catalyst. Percentage used included in the 0.21% MEKP Catalyst substance.

#: **0.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Part of catalyst solution.**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H225 - Highly flammable liquid and vapour

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: This is part of the catalyst. Percentage used included in the 0.21% MEKP Catalyst substance

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

CAL 1350 VOC Emissions testing

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **Professional**

APPLICABLE FACILITIES: **215 W. Third Street, Siler
City, NC 27344**

02-14

Testing Laboratory, Inc

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Test Number: 0243770** The submitted product was tested for VOC emissions by test method-ASTM D5116 Modified Organic Emissions Testing. The capture media used were Solid Sorbent Tubes (tenax TA/Carbon) and 2,4 DNPH on SiO₂. The day 11 results below show the highest levels detected over the 4 timed readings. **RESULTS:** All chemicals of concern were found to be under the CAL 1350 required criteria at the 11, 12, 13, and 14 day marks indicating the material as submitted meets the requirements set forth under CAL 01350.

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.

FUSION

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

This product is required during all installations, when a seamless floor is desired. It acts as a seal, and thru chemical reaction, fuses our floor tile and/or panels together. Our fusion can be made in any color, to match or accent the floor pigment of the tile/panel being installed.

Section 5: General Notes

This Terrazzo Tile - Gem Collection HPD covers the following products: Tile (24" x 24" x 3/16"), Panels (24" x 48" x 3/16"), and Cove Base (4" or 6" H x 2' L).



MANUFACTURER INFORMATION

MANUFACTURER: **Floorazzo Tile LLC**
ADDRESS: **215 W. Third Street**
Siler City NC 27344-3443, US
WEBSITE: **www.floorazzo.com**

CONTACT NAME: **Donna Sich**
TITLE: **Owner**
PHONE: **919-63-1684**
EMAIL: **donna@floorazzo.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.