

CLASSIFICATION: 09 66 23.16 FINISHES: EPOXY-RESIN TERRAZZO FLOORING

created via: HPDC Online
Builder

PRODUCT DESCRIPTION: TERRAZZO BRINGS DESIGN FLEXIBILITY NOT AVAILABLE IN OTHER FLOORING SYSTEMS. IT PROVIDES AN UNLIMITED COLOR RANGE COUPLED WITH AN ABUNDANCE OF AGGREGATE OPTIONS. AGGREGATES INCLUDE MOTHER OF PEARL, MARBLE, RECYCLED GLASS AND OTHERS. EPOXY TERRAZZO PRESENTS MANY ADVANTAGES, WHETHER THE GOAL IS A MODERN MONOCHROMATIC LOOK, AN ARTISTIC PIECE REMINISCENT OF CLASSIC ITALIAN MOSAICS, OR A DETAILED WORK OF ART WITH PHOTOGENIC QUALITY, TERRAZZO IS THE PAINTERS BRUSH AND THE FLOOR YOUR CANVAS.

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 3 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 type="radio"/>	<input checked="" 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..... BM-1
 Nanomaterial..... No

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

MORRICITE 23-200A EPOXY RESIN [BISPHENOL A DIGLYCIDYL ETHER (BADGE) **LT-P1** | END LIMESTONE; CALCIUM CARBONATE **LT-UNK** UNDISCLOSED **LT-UNK** 1,2- CYCLOHEXANEDICARBOXYLIC ACID, 1-BUTYL 2-(PHENYLMETHYL) ESTER **UNK** DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE **LT-1** | CAN | MUL 1-DODECENE **LT-UNK** UNDISCLOSED **UNK** UNDISCLOSED **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN FUMED SILICA, CRYSTALLINE-FREE **LT-UNK**] MORRICITE 23-2147 B EPOXY HARDENER [UNDISCLOSED **LT-P1** | MAM | SKI | AQU | MUL 2-METHYL-2,4-PENTANEDIOL **LT-UNK** | EYE | SKI UNDISCLOSED **LT-P1** | MAM | SKI | AQU | RES | MUL DIAMINOPOLYPROPYLENE GLYCOL **LT-P1** | MUL] MORRICITE 23-288 B EPOXY HARDENER [DIETHYLENETRIAMINE **LT-P1** | MAM | SKI DIAMINOPOLYPROPYLENE GLYCOL **LT-P1** | MUL BENZYL ALCOHOL **LT-UNK** | MAM UNDISCLOSED **LT-UNK** BISPHENOL A (BPA) **BM-1** | EYE | SKI | AQU | REP | END | DEV | MUL]

INVENTORY AND SCREENING NOTES:

This HPD covers Master Terrazzo's Thin-Set Epoxy Terrazzo, which consists of an Epoxy Resin (Part A) and Epoxy Hardener (Part B; Standard and Alternate). Nearly 20% of the ingredients in the Epoxy Resin have been optimized to reduce the hazards present in this product (i.e. LT-1 and LT-P1 ingredients replaced with substances having no known hazards). This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.0, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, as well as the role and percent weight. Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.0 Regulatory (g/l):
 Does the product contain exempt VOCs: No
 Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

VOC emissions: CDPH/EHLB/SM V1.1, 2010 (CA 01350)

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: January 27, 2017	EXPIRY DATE*: January 27, 2020
<input checked="" type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: February 2, 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 and www.greenscreenchemicals.org.

MORRICITE 23-200A EPOXY RESIN

%: 66.7000 - 83.3000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: The range of percent by weight given is due to variations in the amount of epoxy resin used for each of the epoxy hardeners available. Efforts are underway to better understand any residuals that may remain in the finished product, and will be disclosed in future versions of this HPD.

BISPHENOL A DIGLYCIDYL ETHER (BADGE)

ID: 25085-99-8

%: 40.0000 - 60.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Epoxy Resin

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

EU - Priority Endocrine Disrupters

Category 2 - In vitro evidence of biological activity related to Endocrine Disruption

SUBSTANCE NOTES: Percent range given in order to protect proprietary formulation.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 20.0000 - 30.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Percent range given in order to protect proprietary formulation.

UNDISCLOSED

%: 6.0000 - 12.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Epoxy Diluent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Optimized ingredient. Use as an alternative to another Epoxy Reactive Diluent [Undisclosed, LT-P1 | SKI | AQU | GEN | MUL]. Supplier has disclosed substance name and CASRN under a non-disclosure agreement; substance to remain proprietary. This substance has been screened against HPD Priority lists with results disclosed. Percent range given in order to further protect proprietary formulation.

1,2- CYCLOHEXANEDICARBOXYLIC ACID, 1-BUTYL 2-(PHENYLMETHYL) ESTER

ID: 1200806-67-2

%: 5.0000 - 10.0000

GS: UNK

RC: None

NANO: NO

ROLE: Plasticizer

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Optimized ingredient. Use as alternative to another Epoxy diluent [Undisclosed, LT-1 | CAN | DEV | END | REP]. Percent range given in order to protect proprietary formulation.

DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE

ID: 64742-46-7

%: 4.1000 - 4.5000

GS: LT-1

RC: None

NANO: NO

ROLE: Defoaming Agent

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

CANCER

EU - R-phrases

R45 - May cause cancer

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES:

1-DODECENE

ID: 112-41-4

%: 2.0000 - 2.3000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Defoaming Agent

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

UNDISCLOSED

%: 1.4000 - 1.8000

GS: UNK

RC: None

NANO: NO

ROLE: Defoaming Agent

HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a non-disclosure agreement; substance to remain proprietary. Substance not currently found in Pharos CML; however, no GHS regulatory hazards reported. This HPD will be updated when more information on this substance becomes available.

UNDISCLOSED

%: 0.9000 - 1.4000 GS: LT-UNK RC: None NANO: NO ROLE: Defoaming Agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a non-disclosure agreement; substance to remain proprietary. This substance has been screened against HPD Priority lists with results disclosed. Percent range given in order to further protect proprietary formulation.

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.7000 - 0.8000 GS: LT-1 RC: None NANO: NO ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. Warnings are restricted to respirable forms of this substance, and thus are not expected to apply to the finished product. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was "determined to be Benchmark 2 using the full (GreenScreen) method (<http://ow.ly/Z5ken>).

FUMED SILICA, CRYSTALLINE-FREE

ID: 112945-52-5

%: 0.5000 - 1.0000 GS: LT-UNK RC: None NANO: NO ROLE: Thickener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Standard epoxy hardener used with Morricite 23-200 A Epoxy Resin. Efforts are underway to better understand any residuals that may remain in the finished product, and will be disclosed in future versions of this HPD.

UNDISCLOSED

%: 30.0000 - 50.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Epoxy Hardener
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R51 - Toxic to Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-Statements)	H411 - Toxic to aquatic life with long lasting effects
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a non-disclosure agreement; substance to remain proprietary. This substance has been screened against HPD Priority lists with results disclosed. Percent range given in order to further protect proprietary formulation.

2-METHYL-2,4-PENTANEDIOL

ID: 107-41-5

%: 20.0000 - 35.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Percent range given in order to protect proprietary formulation.

UNDISCLOSED

%: 15.0000 - 20.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Epoxy Hardener
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a non-disclosure agreement; substance to remain proprietary. This substance has been screened against HPD Priority lists with results disclosed. Percent range given in order to further protect proprietary formulation.

DIAMINOPOLYPROPYLENE GLYCOL

ID: 9046-10-0

%: 10.0000 - 25.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Epoxy Hardener
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES: Percent range given in order to protect proprietary formulation.

MORRICITE 23-288 B EPOXY HARDENER

%: 16.7000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: No

Material Notes: Alternative epoxy hardener available for use with Morricite 23-200 A Epoxy Resin. Efforts are underway to better understand any residuals that may remain in the finished product, and will be disclosed in future versions of this HPD.

DIETHYLENETRIAMINE

ID: 111-40-0

%: 30.0000 - 40.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Epoxy Hardener
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R21 - Harmful in Contact with Skin
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed
SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact

SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: Percent range given in order to protect proprietary formulation.

DIAMINOPOLYPROPYLENE GLYCOL

ID: 9046-10-0

%: 20.0000 - 35.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Epoxy Hardener
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES: Percent range given in order to protect proprietary formulation.

BENZYL ALCOHOL

ID: 100-51-6

%: 15.0000 - 25.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Diluent
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN	EU - R-phrases	R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases	R22 - Harmful if Swallowed

SUBSTANCE NOTES: Percent range given in order to protect proprietary formulation.

UNDISCLOSED

%: 12.6000 - 16.2000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Epoxy Hardener, Curing Agent
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES: Supplier has disclosed substance name and CASRN under a non-disclosure agreement; substance to remain proprietary. This substance has been screened against HPD Priority lists with results disclosed. Percent range given in order to further protect proprietary formulation.

BISPHENOL A (BPA)

ID: 80-05-7

HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION	EU - R-phrases	R41 - Risk of serious damage to eyes
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
REPRODUCTIVE	EU - R-phrases	R62 - Possible risk of impaired fertility
ENDOCRINE	EU - Priority Endocrine Disrupters	Category 1 - In vivo evidence of Endocrine Disruption Activity
ENDOCRINE	OSPAR - Priority PBTs & EDs & equivalent concern	Endocrine Disruptor - Substance of Possible Concern
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Some Evidence of Adverse Effects - Reproductive Toxicity
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance SP - Danger of photocontact sensitization
REPRODUCTIVE	EU - GHS (H-Statements)	H360F - May damage fertility
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Female
REPRODUCTIVE	EU - SVHC Authorisation List	Toxic to reproduction - Candidate list
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
REPRODUCTIVE	EU - Annex VI CMRs	Reproductive Toxicity - Category 1B

SUBSTANCE NOTES:



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

CERTIFYING PARTY: Self-declared

APPLICABLE FACILITIES: Levittown, PA 19057

CERTIFICATE URL: masterterrazzo.com/wp-content/uploads/2013/05/MTT-Clean-Air-Testing-Results.pdf

CERTIFICATION AND COMPLIANCE NOTES: AQS Report: 16008-01. Testing was conducted in small environmental chambers following the principles of ASTM D5116 with defined product specific test protocols, GREENGUARD Product Certification Program, "Method for Measuring Chemical Emissions from Various Sources Using Dynamic Environmental Chambers." The test data obtained on these specific products were evaluated relative to the emission requirements in Section 01350 of the Material Specification for schools and offices. Products included in testing: Master Terrazzo Technologies' "Terrazzo Flooring System Including MasterGard Moisture Vapor Suppression System, MasterFlex Flexible Membrane, Epoxy Primer, and Epoxy Terrazzo Resin" product.

CDPH/EHLB/SM V1.1, 2010 (CA 01350)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2010-03-15	0000-00-00	AIR QUALITY SCIENCES Inc.



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.

SEALON 212 HPD URL: <http://masterterrazzo.com/terrazzo/specifications-terrazzo/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Installation

SEALON WB 132 HPD URL: <http://masterterrazzo.com/terrazzo/specifications-terrazzo/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Installation

MASTERFLEX FLEXIBLE EPOXY HPD URL: <http://masterterrazzo.com/terrazzo/specifications-terrazzo/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Installation

MASTERGARD PENETRATING SEALER HPD URL: <http://masterterrazzo.com/terrazzo/specifications-terrazzo/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Installation



Section 5: General Notes

The Master Terrazzo Technologies (MTT) product has been tested, using an ISO 9001:2000 registered and ISO 17025 accredited testing laboratory. All major MTT epoxy constituents found in the MTT flooring system have been tested for air quality using ASTM D5116. Testing was done in conjunction with GREENGUARD Product Certification Program, "Method for Measuring Chemical Emissions from Various Sources Using Dynamic Environmental Chambers". The MTT system product meets requirements for use in a classroom or in an office, based on the parameters found in Section 1350 of the Material Specification for schools and offices (www.chps.net).



MANUFACTURER INFORMATION

MANUFACTURER: Master Terrazzo Technologies

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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

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) BM-2 Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

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.