

# Terroxy Epoxy Matrix Part A by Terrazzo and Marble Supply

## Health Product Declaration v2.0

CLASSIFICATION: 09 66 23.16 EPOXY-RESIN TERRAZZO FLOORING

created via: HPDC Online Builder

PRODUCT DESCRIPTION: TERROXY MATRIX IS A PIGMENTED AND HIGHLY DECORATIVE EPOXY RESIN FOR POURED-IN-PLACE EPOXY TERRAZZO FLOORING SYSTEMS. THIS TWO PART 100% SOLID MATRIX CONSISTS OF A 5:1 RATIO, PART A RESIN TO PART B HARDENER. WHEN MIXED, TERROXY MATRIX OFFERS OUTSTANDING DURABILITY AND PROVIDES ONE OF THE LOWEST LIFE CYCLE COSTS RELATIVE TO OTHER DECORATIVE FLOORING SYSTEMS. THE FINISHED SURFACE IS CHEMICAL RESISTANT, EASY TO MAINTAIN, VIRTUALLY ODOR FREE AND DOES NOT SUPPORT BACTERIAL GROWTH.

### 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 1 of 1 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 checked="" type="radio"/> | <input 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.

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

TERROXY EPOXY MATRIX PART A [ EPICHLOROHYDRIN-BISPHENOL A RESIN **LT-P1** | EYE | SKI | AQU | MUL LIMESTONE; CALCIUM CARBONATE **LT-UNK** SOYBEAN OIL, ME ESTER **LT-UNK** ALKYL (C12, C14) GLYCIDYL ETHER **LT-P1** | SKI | MUL FUMED SILICA, CRYSTALLINE-FREE **LT-UNK** QUARTZ **LT-1** | CAN TITANIUM DIOXIDE **LT-1** | CAN ]

Number of Greenscreen BM-4/BM3 contents..... 0  
 Contents highest concern GreenScreen  
 Benchmark or List translator Score..... LT-1  
 Nanomaterial..... No

#### INVENTORY AND SCREENING NOTES:

#### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

#### CERTIFICATIONS AND COMPLIANCE

VOC emissions: Air Quality Sciences, Small Chamber VOC Testing, ASTM D-5116

See Section 3 for additional listings.

|  |                 |                                 |  |
|--|-----------------|---------------------------------|--|
| <input checked="" type="radio"/> Self-Published* | VERIFIER:       | SCREENING DATE: January 5, 2017 | EXPIRY DATE*: January 5, 2020                                  |
| <input type="radio"/> Third Party Verified       | VERIFICATION #: | RELEASE DATE: January 25, 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](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### TERROXY EPOXY MATRIX PART A %: 100.0000 - 100.0000 HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes:

#### EPICHLOROHYDRIN-BISPHENOL A RESIN

ID: 25068-38-6

%: 40.0000 - 60.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Binder Resin

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

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)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

#### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 20.0000 - 40.0000

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:

#### SOYBEAN OIL, ME ESTER

ID: 67784-80-9

%: 3.0000 - 8.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Diluent

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ALKYL (C12, C14) GLYCIDYL ETHER

ID: 68609-97-2

%: 3.0000 - 8.0000

GS: LT-P1

RC: None

NANO: NO

ROLE: Diluent

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

FUMED SILICA, CRYSTALLINE-FREE

ID: 112945-52-5

%: 1.0000 - 5.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Thixotropic Agent

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

QUARTZ

ID: 14808-60-7

%: 0.0100 - 0.5000

GS: LT-1

RC: None

NANO: NO

ROLE: Filler

**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 1: Agent is carcinogenic to humans - inhaled from occupational sources

|                    |                                   |  |          |               |
|--------------------|-----------------------------------|--|----------|---------------|
| CANCER             | US NIH - Report on Carcinogens    | Known to be Human Carcinogen (respirable size - occupational setting)                                |          |               |
| CANCER             | MAK                               | Carcinogen Group 1 - Substances that cause cancer in man   |          |               |
| SUBSTANCE NOTES:   |                                   |  |          |               |
| TITANIUM DIOXIDE   |                                   | ID: 13463-67-7   |          |               |
| %: 0.0000 - 5.0000 | GS: LT-1                          | RC: None   | NANO: NO | ROLE: Pigment |
| <b>HAZARDS:</b>    |                                   | <b>AGENCY(IES) WITH WARNINGS:</b>  |          |               |
| 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:   |                                   |  |          |               |

### 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: Third Party  
 APPLICABLE FACILITIES: All  
 CERTIFICATE URL: <https://builder.hpdcollaborative.org/uploads/files/certifications/997/1415736455.pdf>  
 CERTIFICATION AND COMPLIANCE NOTES:

#### Air Quality Sciences, Small Chamber VOC Testing, ASTM D-5116

|             |              |                            |
|-------------|--------------|----------------------------|
| ISSUE DATE: | EXPIRY DATE: | CERTIFIER OR LAB:          |
| 2012-01-13  | 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.

### Section 5: General Notes



**MANUFACTURER INFORMATION**

MANUFACTURER: Terrazzo and Marble Supply

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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.