

Crossville Porcelain Tile Panels and Crossville Porcelain Countertops by Crossville Inc.

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 09 30 13

PRODUCT DESCRIPTION: CROSSVILLE'S PORCELAIN TILE PANELS ARE THE ONLY DESIGN SOLUTION OF THEIR KIND THAT CAN SKIN BOTH FLOORS AND WALLS IN DURABLE, ENVIABLE CERAMIC STYLE. THIS HPD COVERS 3, 3+, 5.6, 5+ AND CROSSVILLE PORCELAIN COUNTERTOPS.

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

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

All substances disclosed by Name (Specific or Generic) and Identifier.

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

CROSSVILLE PORCELAIN TILE PANELS AND CROSSVILLE PORCELAIN COUNTERTOPS [FUMED SILICA LT-P1 | CAN ALUMINUM OXIDE BM-2 | RES PHOSPHORUS OXIDE (P2O5) LT-P1 | SKI C.I. PIGMENT BLUE 36 LT-1 | RES | CAN | GEN BENTONITE LT-UNK BISMUTH OXIDE (BI2O3) LT-P1 | MUL 2-ETHYLHEXANOIC ACID LT-P1 | DEL | END | REP TERT-DODECANETHIOL, GOLD(1++) SALT LT-UNK ZIRCONIUM OXIDE (ZRO2) LT-P1 | CAN SILICA, AMORPHOUS, FUMED, CRYST.-FREE LT-P1 | CAN BARIUM OXIDE LT-1 | RES | CAN | GEN AMORPHOUS SILICA LT-P1 | CAN SILICA, VITREOUS LT-1 | CAN CHROMIUM IRON OXIDE LT-P1 | SKI ZIRCON (ZR(SIO4)) LT-UNK SODIUM OXIDE (NAO) LT-UNK C.I. PIGMENT BLUE 28 LT-1 | RES | CAN | GEN FRITS, CHEMICALS LT-P1 | MUL REACTION MASS OF FUMES, SILICA AND DIIRON TRIOXIDE NoGS SPODUMENE (ALLI(SIO3)2) LT-UNK | RES FELDSPAR LT-UNK | RES C.I. PIGMENT BROWN 24 LT-UNK HEMATITE, CHROMIUM GREEN BLACK LT-UNK FIBERGLASS LT-UNK | CAN POTASSIUM OXIDE LT-UNK NEPHELINE SYENITE LT-UNK CALCIUM CARBONATE LT-UNK CLAY LT-UNK | CAN QUARTZ LT-1 | CAN POLYMETHYLENE POLYPHENYL ISOCYANATE LT-UNK | RES | MUL | CAN PHOSPHORIC ACID, IRON(3++) SALT (1:1) LT-UNK POTASSIUM OXIDE (K2O) LT-UNK WOLLASTONITE LT-UNK C.I. PIGMENT BROWN 33 LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END DIIRON TRIOXIDE BM-2 | CAN CRISTOBALITE (SIO2) LT-1 | CAN METAPHOSPHORIC ACID (HPO3), ALUMINUM SALT (3:1) LT-UNK ZINC, 2-ETHYLHEXANOATE ISOCTANOATE COMPLEXES, BASIC LT-UNK SILICIC ACID, SODIUM SALT LT-P1 | END IRON OXIDE (FE3O4) LT-UNK |

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

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

CAN C.I. PIGMENT BLACK 27 LT-1 | RES | CAN | GEN C.I. PIGMENT BLUE 73 LT-UNK CARBONIC ACID, STRONTIUM SALT (1:1) LT-UNK CALCIUM OXIDE LT-P1 MULLITE (AL6O5(SIO4)2) LT-UNK C.I. PIGMENT YELLOW 159 LT-UNK CALCIUM MAGNESIUM CARBONATE NoGS ALUMINUM HYDROXIDE BM-2 | RES NEODECANOIC ACID, RUTHENIUM SALT NoGS ZINC OXIDE BM-1 | RES | AQU | MUL MAGNESIUM OXIDE (MGO) LT-UNK | CAN PHOSPHORIC ACID, CALCIUM SALT (1:1) LT-UNK C.I. PIGMENT BLUE 71 LT-UNK C.I. PIGMENT GREEN 26 LT-1 | RES | AQU | CAN | GEN | REP C.I. PIGMENT RED 233 LT-UNK SODIUM OXIDE LT-UNK SILICIC ACID, ZIRCONIUM SALT, CADMIUM PIGMENT-ENCAPSULATED LT-1 | CAN | AQU NEODECANOIC ACID, CHROMIUM(3+) SALT (3:1) LT-UNK | SKI CALCIUM OXIDE LT-P1 NATURALLY OCCURRING SUBSTANCES (CLAY) NoGS SILANE, TRIMETHOXY[3-(OXIRANYLMETHOXY)PROPYL]- LT-P1 | MUL PHOSPHORIC ACID, MONOSODIUM SALT LT-UNK SPINELS, CHROMIUM IRON MANGANESE BROWN LT-UNK HEXANOIC ACID, 2-ETHYL-, COBALT(2++) SALT LT-1 | RES | CAN | MUL | GEN | REP CHROMIUM OXIDE (CR2O3) LT-P1 | SKI C.I. PIGMENT RED 232 LT-UNK C.I. PIGMENT BLACK 23 LT-P1 IRON OXIDE LT-UNK C.I. PIGMENT BLACK 30 LT-1 | RES | CAN TRIPHOSPHORIC ACID, PENTASODIUM SALT LT-UNK MAGNESIUM OXIDE LT-UNK | CAN LITHIUM OXIDE LT-UNK BOEHMITE (AL(OH)O) NoGS FUMES, SILICA LT-P1 | CAN SILANE, TETRACHLORO-LT-UNK | SKI | EYE GRAPHITE LT-UNK SULFUR TRIOXIDE LT-P1 | MAM TITANIUM DIOXIDE LT-1 | CAN | END PHOSPHORIC ACID LT-P1 | SKI]

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: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-06-27

PUBLISHED DATE: 2019-06-18

EXPIRY DATE: 2022-06-27



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

CROSSVILLE PORCELAIN TILE PANELS AND CROSSVILLE PORCELAIN COUNTERTOPS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED:

Yes

RESIDUALS AND IMPURITIES NOTES: All residual data was collected from suppliers and those that fall above the reported threshold are included in the product inventory.

OTHER PRODUCT NOTES:

FUMED SILICA

ID: 99439-28-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-27

#: 40.00 - 50.00 GS: LT-P1 RC: None NANO: No ROLE: Body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-27

#: 5.00 - 30.00 GS: BM-2 RC: None NANO: No ROLE: Body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagens (Rs) - sensitizer-induced

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. The GreenScreen Assessment was published by WAP Sustainability on 4/20/2018 and can be found at http://www.wapsustainability.com/s/Final-GreenScreen-Assessment-Aluminum-oxide_GreenScreen_Chemicalv14.pdf.

PHOSPHORUS OXIDE (P2O5)

ID: 1314-56-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BLUE 36

ID: 68187-11-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

GENE MUTATION

MAK

Germ Cell Mutagen 3a

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

BENTONITE

ID: 1302-78-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

BISMUTH OXIDE (BI2O3)

ID: 1304-76-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Ink**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

2-ETHYLHEXANOIC ACID

ID: 149-57-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-P1	RC: None	NANO: No	ROLE: Ink
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
DEVELOPMENTAL	EU - GHS (H-Statements)	H361d - Suspected of damaging the unborn child		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

TERT-DODECANETHIOL, GOLD(1++) SALT

ID: 26403-08-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-UNK	RC: None	NANO: No	ROLE: Ink
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

ZIRCONIUM OXIDE (ZRO2)

ID: 1314-23-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-P1	RC: None	NANO: No	ROLE: Body
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SILICA, AMORPHOUS, FUMED, CRYST.-FREE

ID: 112945-52-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

BARIUM OXIDE

ID: 25729-03-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 0.10** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

GENE MUTATION

MAK

Germ Cell Mutagen 3a

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

AMORPHOUS SILICA

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 25.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SILICA, VITREOUS

ID: 60676-86-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 20.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER**US CDC - Occupational Carcinogens****Occupational Carcinogen**

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CHROMIUM IRON OXIDE

ID: 12737-27-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 15.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN SENSITIZE**MAK****Sensitizing Substance Sh - Danger of skin sensitization**

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

ZIRCON (ZR(SIO4))

ID: 14940-68-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 10.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SODIUM OXIDE (NAO)

ID: 12401-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 10.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BLUE 28

ID: 1345-16-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**

%: 0.00 - 5.00	GS: LT-1	RC: None	NANO: No	ROLE: Body
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

FRITS, CHEMICALS

ID: 65997-18-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**

%: 0.00 - 5.00	GS: LT-P1	RC: None	NANO: No	ROLE: Body
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

REACTION MASS OF FUMES, SILICA AND DIIRON TRIOXIDE

ID: 1353091-50-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**

%: 0.00 - 5.00	GS: NoGS	RC: None	NANO: No	ROLE: Body
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SPODUMENE (ALLI(SIO3)2)

ID: 1302-37-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**

%: 0.00 - 5.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

FELDSPAR

ID: 68476-25-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 5.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BROWN 24

ID: 68186-90-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 5.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

HEMATITE, CHROMIUM GREEN BLACK

ID: 68909-79-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 5.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

FIBERGLASS

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
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#: **0.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiberglass**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

POTASSIUM OXIDE

ID: **37382-43-7**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

NEPHELINE SYENITE

ID: **37244-96-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CALCIUM CARBONATE

ID: **1317-65-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CLAY

ID: **1332-58-7**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 5.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

QUARTZ

ID: **14808-60-7**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 5.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
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
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer's instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

POLYMETHYLENE POLYPHENYL ISOCYANATE

ID: **9016-87-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiberglass**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESPIRATORY	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

PHOSPHORIC ACID, IRON(3++) SALT (1:1)

ID: 10045-86-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

POTASSIUM OXIDE (K2O)

ID: 12136-45-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

WOLLASTONITE

ID: 13983-17-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BROWN 33

ID: 68186-88-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ink**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE	AGENCY AND LIST TITLES	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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer's instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

DIIRON TRIOXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SILICIC ACID, SODIUM SALT

ID: 1344-09-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

IRON OXIDE (FE3O4)

ID: 1317-61-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BLACK 27

ID: 68186-97-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Ink**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BLUE 73

ID: 68187-40-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Ink**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CARBONIC ACID, STRONTIUM SALT (1:1)

ID: 1633-05-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CALCIUM OXIDE

ID: 60873-85-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

MULLITE (AL6O5(SIO4)2)

ID: 1302-93-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT YELLOW 159

ID: 68187-15-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Ink**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CALCIUM MAGNESIUM CARBONATE

ID: 16389-88-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

ALUMINUM HYDROXIDE

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagens (Rs) - sensitizer-induced

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. The GreenScreen assessment was performed by Rosenblum Environmental in 2014 and updated in 2016: <https://www.pharosproject.net/uploads/files/gs/ed78c39f356996b073aca37fb1587538e19d58b9.pdf>

NEODECANOIC ACID, RUTHENIUM SALT

ID: 93894-43-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Ink**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

ZINC OXIDE

ID: 1314-13-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 1.00	GS: BM-1	RC: None	NANO: No	ROLE: Glaze
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life		
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. The expired GreenScreen assessment was performed by ToxServices LLC in 2014: <https://www.pharosproject.net/uploads/files/gs/c93f13c5702ed499d3f738803ddfe75c34d57ff3.pdf>

MAGNESIUM OXIDE (MGO)

ID: 1309-48-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 1.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

PHOSPHORIC ACID, CALCIUM SALT (1:1)

ID: 7757-93-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 1.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Glaze
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BLUE 71

ID: 68186-95-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT GREEN 26

ID: 68187-49-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

CHRON AQUATIC

EU - GHS (H-Statements)

H411 - Toxic to aquatic life with long lasting effects

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

GENE MUTATION

MAK

Germ Cell Mutagen 3a

REPRODUCTIVE

Australia - GHS

H360F - May damage fertility

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT RED 233

ID: 68187-12-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 1.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SODIUM OXIDE

ID: 1313-59-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SILICIC ACID, ZIRCONIUM SALT, CADMIUM PIGMENT-ENCAPSULATED

ID: 102184-95-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 1.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Known to be a human Carcinogen

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

CANCER

Korea - GHS

Carcinogenicity - Category 1 [H350 - May cause cancer]

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer's instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

NEODECANOIC ACID, CHROMIUM(3+) SALT (3:1)

ID: 68683-16-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Ink**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CALCIUM OXIDE

ID: 1305-78-8

%: **0.00 - 1.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

NATURALLY OCCURRING SUBSTANCES (CLAY)ID: **999999-99-4**%: **0.00 - 1.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Glaze**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SILANE, TRIMETHOXY[3-(OXIRANYLMETHOXY)PROPYL]-ID: **2530-83-8**%: **0.00 - 1.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Fiberglass**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

PHOSPHORIC ACID, MONOSODIUM SALTID: **7558-80-7**%: **0.00 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

HEXANOIC ACID, 2-ETHYL-, COBALT(2++) SALT

ID: 136-52-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 1.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Ink**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

CANCER

US NIH - Report on Carcinogens

Reasonably Anticipated to be Human Carcinogen

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

CANCER

MAK

Carcinogen Group 2 - Considered to be carcinogenic for man

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

GENE MUTATION

MAK

Germ Cell Mutagen 3a

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

REPRODUCTIVE

Australia - GHS

H360Fd - May damage fertility. Suspected of damaging the unborn child

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

CHROMIUM OXIDE (CR2O3)

ID: 1308-38-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 1.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT RED 232ID: **68412-79-3**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BLACK 23ID: **68187-54-2**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

IRON OXIDEID: **76774-74-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Body**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

C.I. PIGMENT BLACK 30ID: **71631-15-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-06-27**%: **0.00 - 0.10**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer's instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

TRIPHOSPHORIC ACID, PENTASODIUM SALT

ID: 7758-29-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

MAGNESIUM OXIDE

ID: 82375-77-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

LITHIUM OXIDE

ID: 37382-39-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

BOEHMITE (AL(OH)O)

ID: 1318-23-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 0.10** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Ink**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

FUMES, SILICA

ID: 69012-64-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Ink**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SILANE, TETRACHLORO-

ID: 10026-04-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiberglass**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

GRAPHITE

ID: 7440-44-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-06-27**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Body**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

SULFUR TRIOXIDE

ID: 7446-11-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-P1	RC: None	NANO: No	ROLE: Body
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

TITANIUM DIOXIDE

ID: 98084-96-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-1	RC: None	NANO: No	ROLE: Body
HAZARD TYPE	AGENCY AND LIST TITLES	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		
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor		
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value		
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials. Since this substance is not in its respirable form, if manufacturer's instructions are followed during installation, the risk level of the hazards listed above is significantly diminished.

PHOSPHORIC ACID

ID: 7664-38-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-06-27		
%: 0.00 - 0.10	GS: LT-P1	RC: None	NANO: No	ROLE: Ink

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: A range is given due to the variable product thickness, various color options, and due to the variable composition of naturally occurring materials.

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

CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-**

EXPIRY DATE:

CERTIFIER OR LAB: **UL**

APPLICABLE FACILITIES: **All**

09-03

Environment

CERTIFICATE URL:

<https://www.crossvilleinc.com/getmedia/20bb1c84-fb14-4532-8080-60fd0cfca953/Laminam-VOC-testing-on-3.pdf>

CERTIFICATION AND COMPLIANCE NOTES: **All tested emissions were BQL, including TVOC and formaldehyde. The test was performed on the 3+ variety which has the highest amount of fiberglass relative to the ceramic tile and is considered the most conservative estimate.**

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.

VARIOUS INSTALLATION PRODUCTS

HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Crossville recommended products for surface preparation, adhesive systems, grout systems, caulks, sealants, and crack isolation membranes from Ardex, Blanke, BOSTIK, CustomTech, LATICRETE, Mapei, and TEC and can be found on page 15 of the technical guide found at https://crossvilleinc.com/wordpress/wpcontent/uploads/2017/11/Laminam_English_webV3.pdf Several of these products have HPDs available and can be found at <https://hpdrepository.hpd-collaborative.org/>

Section 5: General Notes

This HPD covers all Crossville Porcelain Tile Panels and Crossville Porcelain Countertops, including those with and without a fiberglass scrim. The formulation of all products is the same, with the variability coming from the thickness of the product, as well as the inclusion of the fiberglass scrim. Additionally, all color options are included, causing some formulation variability noted above.



MANUFACTURER INFORMATION

MANUFACTURER: **Crossville Inc.**

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Crossville TN 38555, USA

WEBSITE: <https://crossvilleinc.com>

CONTACT NAME: **Noah Chitty**

TITLE: **Director of Technical Services**

PHONE: **865-244-0807**

EMAIL: nchitty@crossvilleinc.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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

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

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

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

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

NoGS 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 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.