

CLASSIFICATION: 09 30 13

PRODUCT DESCRIPTION: Thanks to their excellent technical performance, Laminam slabs are ideal for the most delicate of uses, requiring maximum hygiene and resistance. The aesthetic virtues and the large size offer a major artistic advantage, guaranteeing material continuity throughout the settings, in sophisticated, natural shades.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

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

LAMINAM PORCELAIN SLABS | FUMED SILICA LT-UNK | ALUMINUM OXIDE LT-P1 | RES SODIUM MONOXIDE LT-UNK | POTASSIUM OXIDE NoGS | CALCIUM OXIDE NoGS | SODIUM SILICATE LT-P1 | END
POLYACRYLIC ACID, SODIUM SALT LT-UNK | SODIUM PHOSPHATE, MONOBASIC LT-UNK | SILICA, AMORPHOUS LT-P1 | CAN SILICA, FUSED LT-1 | CAN CHROMIUM IRON OXIDE LT-P1 | SKI ZIRCON (ZR(SIO4)) 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 LT-UNK | RES FELDSPAR LT-UNK | RES RUTILE, ANTIMONY CHROMIUM BUFF LT-UNK | HEMATITE, CHROMIUM GREEN BLACK LT-UNK | CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK | NEPHELINE SYENITE LT-UNK | LIMESTONE; CALCIUM CARBONATE LT-UNK | CASTOR OIL NoGS | KAOLIN CLAY LT-UNK | CAN QUARTZ LT-1 | CAN POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN PHOSPHORIC ACID, IRON(3+) SALT (1:1) LT-UNK | DIPOTASSIUM OXIDE LT-UNK | WOLLASTONITE LT-UNK | C.I. PIGMENT BROWN 33 LT-UNK | TITANIUM DIOXIDE LT-1 | CAN | END FERRIC OXIDE BM-2 | CAN SILICA, CHRISTOBALITE LT-1 | CAN ALUMINIUM METAPHOSPHATE NoGS | DECANOIC ACID, MIXED DIESTERS WITH OCTANOIC ACID AND PROPYLENE GLYCOL LT-UNK | 2,2'-ETHYLENEDIOXYDIETHYL BIS(2-ETHYLHEXANOATE) LT-UNK | ZINC, 2-ETHYLHEXANOATE ISOCTANOATE COMPLEXES, BASIC LT-UNK | IRON OXIDE LT-UNK | CAN OLIVINE, COBAL SILICATE BLUE LT-UNK | STRONTIUM CARBONATE LT-UNK | DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE LT-1 | CAN | MUL MULLITE (AL6O5(SIO4)2) LT-UNK | C.I. PIGMENT YELLOW 159 LT-UNK | DOLOMITE NoGS | ALUMINA TRIHYDRATE BM-2 | RES DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346 LT-P1 | PBT METHYL SOYATE LT-UNK | HYDROCARBONS, C16-C20, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS NoGS | NEODECANOIC ACID, RUTHENIUM SALT NoGS | ZINC OXIDE BM-1 | RES | AQU | MUL MAGNESIUM OXIDE LT-UNK | CAN

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:

CALCIUM HYDROGENORTHOPHOSPHATE LT-UNK ZIRCON, SUBSTITUTED: INORGANIC COLOUR PIGMENTS (SYNTHETIC MATERIALS), CHEMICALLY AND THERMICALLY STABLE LT-UNK C.I. PIGMENT GREEN 26 LT-1 | RES | AQU | CAN | GEN | REP CHROME TIN PINK SPHENE 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 PINUS PINASTER SEED OIL (CLAY) NoGS POLYPROPYLENE GLYCOL LT-UNK ((3-(TRIMETHOXYSILYL)PROPOXY)METHYL)OXIRANE LT-P1 | MUL SPINELS, CHROMIUM IRON MANGANESE BROWN LT-UNK 2,5-FURANDIONE POLYMER WITH 2,4,4 TRIMETHYLPENTENE (AVERAGE MW 4000 - 8000 G/MOL) LT-UNK ISOPROPYL LAURATE LT-UNK COBALT OCTOATE LT-1 | RES | CAN | MUL | GEN | REP CHROMIUM (III) OXIDE LT-P1 | SKI C.I. PIGMENT BLACK 27 LT-1 | RES | CAN | GEN]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Inherently non-emitting source per LEED®

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: 2018-10-09

PUBLISHED DATE: 2018-10-09

EXPIRY DATE: 2021-10-09



Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

LAMINAM PORCELAIN SLABS

PRODUCT THRESHOLD: 1000 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

%: 42.5580 - 45.6920	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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 OXIDE

ID: 1344-28-1

%: 9.0940 - 27.4470	GS: LT-P1	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH 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.

SODIUM MONOXIDE

ID: 12401-86-4

%: 4.8030 - 5.1560	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

ID: 37382-43-7

%: 1.7950 - 1.9270	GS: NoGS	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

%: 0.3740 - 0.4020	GS: NoGS	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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 SILICATE

ID: 1344-09-8

%: 0.1140 - 0.4910	GS: LT-P1	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH 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.

POLYACRYLIC ACID, SODIUM SALT

ID: 9003-04-7

%: 0.0230 - 0.1470	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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 PHOSPHATE, MONOBASIC

ID: 7558-80-7

%: 0.0230 - 0.1470	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

SILICA, AMORPHOUS

ID: 7631-86-9

#: 0.0000 - 20.8240 GS: LT-P1 RC: None NANO: No ROLE: Body

HAZARDS:

AGENCY(IES) WITH 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, FUSED

ID: 60676-86-0

#: 0.0000 - 18.5560 GS: LT-1 RC: None NANO: No ROLE: Body

HAZARDS:

AGENCY(IES) WITH 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

#: 0.0000 - 10.8140 GS: LT-P1 RC: None NANO: No ROLE: Body

HAZARDS:

AGENCY(IES) WITH 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

#: 0.0000 - 5.5520 GS: LT-UNK RC: None NANO: No ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority 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

%: 0.0000 - 4.8740	GS: LT-1	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH 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

%: 0.0000 - 4.5440	GS: LT-P1	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH 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

%: 0.0000 - 4.1730	GS: NoGS	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

ID: 1302-37-0

%: 0.0000 - 4.1180	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH 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

#: 0.0000 - 3.0130 GS: LT-UNK RC: None NANO: No ROLE: Body

HAZARDS:

AGENCY(IES) WITH 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.

RUTILE, ANTIMONY CHROMIUM BUFF

ID: 68186-90-3

#: 0.0000 - 2.9450 GS: LT-UNK RC: None NANO: No ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: 0.0000 - 2.5720 GS: LT-UNK RC: None NANO: No ROLE: Body

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

#: 0.0000 - 2.4360 GS: LT-UNK RC: None NANO: No ROLE: Fiberglass

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: 0.0000 - 1.7880 GS: LT-UNK RC: None NANO: No ROLE: Glaze

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: **0.0000 - 1.5310** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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.

CASTOR OIL

ID: 8001-79-4

#: **0.0000 - 1.5150** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Fiberglass**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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.

KAOLIN CLAY

ID: 1332-58-7

#: **0.0000 - 1.0980** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS:	AGENCY(IES) WITH 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

#: **0.0000 - 1.0640** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body**

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
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.

POLYMERIC MDI (PMDI)

ID: 9016-87-9

#: **0.0000 - 0.9090** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiberglass**

HAZARDS: AGENCY(IES) WITH 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

#: **0.0000 - 0.8970** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority 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.

DIPOTASSIUM OXIDE

ID: 12136-45-7

#: **0.0000 - 0.8590** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Body**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **0.0000 - 0.7620** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **0.0000 - 0.7050** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **0.0000 - 0.5840** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Body**

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

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.

FERRIC OXIDE

ID: 1309-37-1

#: 0.0000 - 0.5480

GS: BM-2

RC: None

NANO: No

ROLE: Body

HAZARDS:

AGENCY(IES) WITH 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. The expired unvalidated GreenScreen assessment was performed by SciVera in 2012 and revised in 2013: <https://www.pharosproject.net/uploads/files/gs/1405438632.pdf>

SILICA, CHRISTOBALITE

ID: 14464-46-1

#: 0.0000 - 0.5400

GS: LT-1

RC: None

NANO: No

ROLE: Body

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

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.

ALUMINIUM METAPHOSPHATE

ID: 13776-88-0

#: 0.0000 - 0.5130

GS: NoGS

RC: None

NANO: No

ROLE: Glaze

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

DECANOIC ACID, MIXED DIESTERS WITH OCTANOIC ACID AND PROPYLENE GLYCOL

ID: 68583-51-7

#: 0.0000 - 0.5130

GS: LT-UNK

RC: None

NANO: No

ROLE: Ink

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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.

2,2'-ETHYLENEDIOXYDIETHYL BIS(2-ETHYLHEXANOATE)

ID: 94-28-0

#: **0.0000 - 0.5130** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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, 2-ETHYLHEXANOATE ISOCTANOATE COMPLEXES, BASIC

ID: 85204-04-2

#: **0.0000 - 0.5130** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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 OXIDE

ID: 1317-61-9

#: **0.0000 - 0.4870** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS:	AGENCY(IES) WITH 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.

OLIVINE, COBALT SILICATE BLUE

ID: 68187-40-6

#: **0.0000 - 0.4740** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority 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.

STRONTIUM CARBONATE

ID: 1633-05-2

%: 0.0000 - 0.4620	GS: LT-UNK	RC: None	NANO: No	ROLE: Glaze
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE

ID: 64742-46-7

%: 0.0000 - 0.3700	GS: LT-1	RC: None	NANO: No	ROLE: Ink
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

CANCER

Australia - GHS

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.

MULLITE (AL6O5(SIO4)2)

ID: 1302-93-8

%: 0.0000 - 0.3440	GS: LT-UNK	RC: None	NANO: No	ROLE: Body
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

%: 0.0000 - 0.3200	GS: LT-UNK	RC: None	NANO: No	ROLE: Ink
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

DOLOMITE

ID: 16389-88-1

#: 0.0000 - 0.2820 GS: NoGS RC: None NANO: No ROLE: Glaze

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

ALUMINA TRIHYDRATE

ID: 21645-51-2

#: 0.0000 - 0.2560 GS: BM-2 RC: None NANO: No ROLE: Glaze

HAZARDS:

AGENCY(IES) WITH 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. The GreenScreen assessment was performed by Rosenblum Environmental in 2014 and updated in 2016: <https://www.pharosproject.net/uploads/files/gs/ed78c39f356996b073aca37fb1587538e19d58b9.pdf>

DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346

ID: 64742-52-5

#: 0.0000 - 0.2560 GS: LT-P1 RC: None NANO: No ROLE: Ink

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

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.

METHYL SOYATE

ID: 67762-38-3

#: 0.0000 - 0.2560 GS: LT-UNK RC: None NANO: No ROLE: Ink

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

%: **0.0000 - 0.2560** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority 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.

NEODECANOIC ACID, RUTHENIUM SALT

ID: 93894-43-0

%: **0.0000 - 0.2560** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority 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

%: **0.0000 - 0.2360** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS: AGENCY(IES) WITH 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

ID: 1309-48-4

%: **0.0000 - 0.2230** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Body**

HAZARDS: AGENCY(IES) WITH 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.

CALCIUM HYDROGENORTHOPHOSPHATE

ID: 7757-93-9

#: **0.0000 - 0.2050** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

ZIRCON, SUBSTITUTED: INORGANIC COLOUR PIGMENTS (SYNTHETIC MATERIALS), CHEMICALLY AND THERMICALLY STABLE

ID: 68186-95-8

#: **0.0000 - 0.1920** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **0.0000 - 0.1820** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH 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.

CHROME TIN PINK SPHENE

ID: 68187-12-2

#: **0.0000 - 0.1730** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **0.0000 - 0.1720** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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

#: **0.0000 - 0.1690** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH 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

#: **0.0000 - 0.1640** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS:

AGENCY(IES) WITH 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

#: **0.0000 - 0.1550** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

PINUS PINASTER SEED OIL (CLAY)

ID: 999999-99-4

#: 0.0000 - 0.1540

GS: NoGS

RC: None

NANO: No

ROLE: Glaze

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

POLYPROPYLENE GLYCOL

ID: 25322-69-4

#: 0.0000 - 0.1520

GS: LT-UNK

RC: None

NANO: No

ROLE: Fiberglass

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

((3-(TRIMETHOXYSILYL)PROPOXY)METHYL)OXIRANE

ID: 2530-83-8

#: 0.0000 - 0.1520

GS: LT-P1

RC: None

NANO: No

ROLE: Fiberglass

HAZARDS:

AGENCY(IES) WITH 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.

SPINELS, CHROMIUM IRON MANGANESE BROWN

ID: 68555-06-6

#: 0.0000 - 0.1440

GS: LT-UNK

RC: None

NANO: No

ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

2,5-FURANDIONE POLYMER WITH 2,4,4 TRIMETHYLPENTENE (AVERAGE MW 4000 - 8000 G/MOL)

ID: 37199-81-8

#: **0.0000 - 0.1280** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Glaze**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

ISOPROPYL LAURATE

ID: 10233-13-3

#: **0.0000 - 0.1280** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority 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.

COBALT OCTOATE

ID: 136-52-7

#: **0.0000 - 0.1280** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Ink**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagens (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 (III) OXIDE

ID: 1308-38-9

%: **0.0000 - 0.1060**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Body**

HAZARDS:

AGENCY(IES) WITH 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 BLACK 27

ID: **68186-97-0**

%: **0.0000 - 0.4810**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Ink**

HAZARDS:

AGENCY(IES) WITH 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.

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

Inherently non-emitting source per LEED®

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

10-09

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

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.

No accessories are required for this product.

Section 5: General Notes

This HPD covers all Laminam products in general, including those with and without a fiberglass scrim. The formulation of all products are 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: **Laminam S.p.A.**
 ADDRESS: **via Ghiarola Nuova 258**
Fiorano Modenese Mo 41042, Italy
 WEBSITE: **laminam.it**

CONTACT NAME: **Quality Department**
 TITLE: **Quality Manager, Quality Specialists, and Quality Assistant**
 PHONE: **+39 0536 1844200**
 EMAIL: **qualityassistance@laminam.it**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.