

**CLASSIFICATION:** 09 91 00 Painting

**PRODUCT DESCRIPTION:** BioDomus I White, BioDomus II White, BioDomus I Transparent Base, BioDomus II Transparent Base, BioDomus Superflat White Base, Biogrip Micro, Biogrip Medium, BioDomus Vegetable, EcoDomus Eggshell Transparent, EcoDomus Eggshell White, EcoDomus Matte White, EcoDomus Satin White, EcoDomus Matte Transparent, and EcoDomus Satin Transparent interior and exterior mineral-based paints.

## 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**

ROMABIO DOMUS MINERAL PAINTS (INTERIOR/EXTERIOR) [ WATER BM-4  
4 CALCIUM CARBONATE BM-3 POTASSIUM POLYSILICATE LT-P1  
UNDISCLOSED CHEMICAL #1 NoGS HYDROXYETHYL CELLULOSE LT-P1 |  
END OXIRANE, 2-METHYL-, POLYMER WITH OXIRANE, ETHER WITH 1,2-  
HEXANEDIOL (2:1) NoGS CASTOR OIL POLYOXYETHYLENE ETHER LT-  
UNK BRASSICA CAMPESTRIS OIL LT-UNK POTASSIUM  
METHYLSILANETRIOLATE NoGS GLASSY SODIUM PHOSPHATE LT-UNK  
POLY(OXY-1,2-ETHANEDIYL), ALPHA-SULFO-OMEGA-(UNDECYLOXY)-,  
BRANCHED AND LINEAR, SODIUM SALT NoGS POLY(OXY(METHYL-1,2-  
ETHANEDIYL)), -(1-OXO-9-OCTADECENYL)- -BUTOXY-, (Z)- LT-UNK  
SODIUM BISULFITE LT-P1 SODIUM HYDROXIDE LT-P1 | SKI | PHY  
SODIUM PERSULFATE LT-P1 | RES LIMESTONE; CALCIUM CARBONATE  
LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END TALC BM-1 | CAN CHLORITE  
NoGS ALUMINUM OXIDE LT-P1 | RES KAOLIN CLAY LT-UNK | CAN  
MAGNESITE LT-UNK STARCH LT-UNK DOLOMITE NoGS QUARTZ LT-1 |  
CAN SILICA, AMORPHOUS LT-P1 | CAN 1,1,1-  
TRI(HYDROXYMETHYL)PROPANE LT-UNK ]

Number of Greenscreen BM-4/BM3 contents ... 2

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

Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

ROMA USA, LLC worked with the HPDC Approved Preparer, ToxServices LLC, to obtain all required chemical formulation information to the disclosure level of 1,000 ppm (0.1%).

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: VOC Emissions Testing  
VOC emissions: VOC Emissions Testing  
VOC emissions: VOC Emissions Testing

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

PREPARER: ToxServices LLC

VERIFIER:

SCREENING DATE: 2018-07-05

PUBLISHED DATE: 2018-07-13





# 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

## ROMABIO DOMUS MINERAL PAINTS (INTERIOR/EXTERIOR)

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: ROMA USA, LLC worked with the HPDC Approved Preparer, ToxServices LLC, to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.

OTHER PRODUCT NOTES:

### WATER

ID: 7732-18-5

#: 16.5070 - 58.1590 GS: BM-4 RC: None NANO: No ROLE: Solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-4 was provided through the HPD 2.1 Builder Tool.

### CALCIUM CARBONATE

ID: 471-34-1

#: 4.7660 - 47.4030 GS: BM-3 RC: None NANO: No ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-3 was provided through the HPD 2.1 Builder Tool.

### POTASSIUM POLYSILICATE

ID: 1312-76-1

#: 1.9740 - 13.8170 GS: LT-P1 RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**UNDISCLOSED CHEMICAL #1**ID: **Undisclosed**

%: <b>1.9600 - 25.3460</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Binder</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

**\*3rd Party Screened\***

SUBSTANCE NOTES: Full disclosure for this proprietary chemical, identified as "acrylic ester-styrene copolymer", was obtained by the HPDC Approved Preparer from ROMA's proprietary supplier. The HPDC Approved Preparer also received full residual monomer information and all information in regards to each additive that is present in the acrylic ester-styrene copolymer at > 100 ppm.

**HYDROXYETHYL CELLULOSE**ID: **9004-62-0**

%: <b>0.2890 - 0.7390</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Rheological Additive</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

**ENDOCRINE****TEDX - Potential Endocrine Disruptors****Potential Endocrine Disruptor**

SUBSTANCE NOTES:

**OXIRANE, 2-METHYL-, POLYMER WITH OXIRANE, ETHER WITH 1,2-HEXANEDIOL (2:1)**ID: **1011707-96-2**

%: <b>0.1760 - 1.0370</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Wetting Agent</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

**\*3rd Party Screened\***

SUBSTANCE NOTES: Oxirane, 2-methyl-, polymer with oxirane, ether with 1,2-hexanediol (2:1) (CAS #1011707-96-2) is not listed in the Pharos list translator tool. Therefore, the HPDC Approved Preparer evaluated the hazards of the trade name ingredient that contains this chemical. The HPDC Approved Preparer concluded that the SDS published in August 2011 for this trade name ingredient indicates that it is compliant with Commission Regulation (EU) No 2006/1907 (EU CLP), which has been amended by Commission Regulation (EU) No 2015/830, and that no GHS Category 1 hazards are disclosed on the SDS.

**CASTOR OIL POLYOXYETHYLENE ETHER**ID: **61791-12-6**

%: <b>0.1510 - 2.4850</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Wetting Agent</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**BRASSICA CAMPESTRIS OIL**ID: **8002-13-9**

%: <b>0.1490 - 0.8740</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Defoamer</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**POTASSIUM METHYLSILANETRIOLATE**

ID: 31795-24-1

%: **0.0700 - 0.2980** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Dispersant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**GLASSY SODIUM PHOSPHATE**

ID: 68915-31-1

%: **0.0230 - 0.6060** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Retarder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-SULFO-OMEGA-(UNDECYLOXY)-, BRANCHED AND LINEAR, SODIUM SALT**

ID: 219756-63-5

%: **0.0210 - 0.2720** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

\*3rd Party Screened\*

SUBSTANCE NOTES: Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(undecyloxy)-, branched and linear, sodium salt (CAS #219756-63-5), also known as alkylethersulfate, Na-salz, is not listed in the Pharos list translator tool. Therefore, the HPDC Approved Preparer evaluated the hazards of the trade name ingredient that contains this chemical. The HPDC Approved Preparer concluded that the SDS published in June 2012 for this trade name ingredient indicates that it is compliant with Commission Regulation (EU) No 2006/1907 (EU CLP), which has been amended by Commission Regulation (EU) No 2015/830, and that no GHS Category 1 hazards are disclosed on the SDS.

**POLY[OXY(METHYL-1,2-ETHANEDIYL)], -(1-OXO-9-OCTADECENYL)- BUTOXY-, (Z)-**

ID: 37281-78-0

%: **0.0190 - 0.1100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Defoamer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**SODIUM BISULFITE**

ID: 7631-90-5

%: <b>0.0140 - 0.1800</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Defoamer</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**SODIUM HYDROXIDE**

ID: 1310-73-2

%: <b>0.0120 - 0.1490</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Defoamer</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

PHYSICAL HAZARD (REACTIVE)

Korea - GHS

H290 - May be corrosive to metals

SUBSTANCE NOTES:

**SODIUM PERSULFATE**

ID: 7775-27-1

%: <b>0.0100 - 0.1230</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Defoamer</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

SUBSTANCE NOTES:

**LIMESTONE; CALCIUM CARBONATE**

ID: 1317-65-3

%: <b>0.0000 - 37.7520</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Filler</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**TITANIUM DIOXIDE**

ID: 13463-67-7

%: <b>0.0000 - 24.8420</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Colorant</b>
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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

SUBSTANCE NOTES: The carcinogenicity hazard is only relevant for the inhalation exposure route.

## TALC

ID: 14807-96-6

#: 0.0000 - 7.3030 GS: BM-1 RC: None NANO: No ROLE: Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
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SUBSTANCE NOTES: The GreenScreen Benchmark® assessment score of BM-1 was provided through the HPD 2.1 Builder Tool.

## CHLORITE

ID: 1318-59-8

#: 0.0000 - 7.3030 GS: NoGS RC: None NANO: No ROLE: Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists
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SUBSTANCE NOTES:

## ALUMINUM OXIDE

ID: 1344-28-1

#: 0.0000 - 1.2540 GS: LT-P1 RC: None NANO: No ROLE: Colorant

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
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SUBSTANCE NOTES:

## KAOLIN CLAY

ID: 1332-58-7

#: Impurity/Residual GS: LT-UNK RC: None NANO: No ROLE: Impurity/Residual

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
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SUBSTANCE NOTES: Kaolin clay (hydrated silicate of aluminum) is an impurity present in limestone/calcium carbonate (CAS #1317-65-3/471-34-1).

### MAGNESITE

ID: 546-93-0

#: 0.0000 - 0.5090 GS: LT-UNK RC: None NANO: No ROLE: Structure

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Magnesite (magnesium carbonate) is an impurity present in limestone/calcium carbonate (CAS #1317-65-3/471-34-1).

### STARCH

ID: 9005-25-8

#: 0.0000 - 0.4100 GS: LT-UNK RC: None NANO: No ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### DOLOMITE

ID: 16389-88-1

#: 0.0000 - 0.3830 GS: NoGS RC: None NANO: No ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### QUARTZ

ID: 14808-60-7

#: Impurity/Residual GS: LT-1 RC: None NANO: No ROLE: Impurity/Residual

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	H350 - May cause cancer
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Quartz (silica) is an impurity present in limestone/calcium carbonate (CAS #1317-65-3/471-34-1). The carcinogenicity hazard is only relevant for the inhalation exposure route.

### SILICA, AMORPHOUS

ID: 7631-86-9

#: 0.0000 - 0.1330 GS: LT-P1 RC: None NANO: No ROLE: Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER Japan - GHS Carcinogenicity - Category 1A

SUBSTANCE NOTES:

### 1,1,1-TRI(HYDROXYMETHYL)PROPANE

ID: 77-99-6

#: 0.0000 - 0.1070 GS: LT-UNK RC: None NANO: No ROLE: Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

## 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

### VOC Emissions Testing

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins**

APPLICABLE FACILITIES: **3555 Atlanta Industrial Parkway Northwest 30331 Atlanta USA**

**12-15**

**Product Testing A/S**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **These paint products meet the criteria of California Department of Public Health (CDPH)/EHLB/Standard Method V1.2. (January 2017). Report #392-2017-00348501\_H\_EN**

### VOC EMISSIONS

### VOC Emissions Testing

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins**

APPLICABLE FACILITIES: **3555 Atlanta Industrial Parkway Northwest 30331 Atlanta USA**

**12-15**

**Product Testing A/S**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **These paint products achieve a score of A+ for VOC emissions based on the criteria defined by French Regulation of March and April 2011 (DEVL1101903D and DEVL1104875A). Report #392-2017-00348501\_E\_EN**

### VOC EMISSIONS

### VOC Emissions Testing

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins**

APPLICABLE FACILITIES: **3555 Atlanta Industrial Parkway Northwest 30331 Atlanta USA**

**12-15**

**Product Testing A/S**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **These paint products meet the VOC criteria under Cradle to Cradle CertifiedCM – Product Standard Version 3.1. Report #392-2017-00348501\_T\_EN**

## 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

ROMA USA, LLC worked with a HPDC Approved Preparer to obtain all required chemical formulation information to the disclosure level of 1,000 ppm (0.1%). ROMA USA, LLC also worked with a HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD.



## MANUFACTURER INFORMATION

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MANUFACTURER: **ROMA USA, LLC**  
ADDRESS: **3555 Atlanta Industrial Pkwy**  
**Atlanta GA 30331, USA**  
WEBSITE: **romabio.com**

CONTACT NAME: **Christopher Lewis**  
TITLE: **Chief Technical Officer**  
PHONE: **678-905-3700 | Ext 417**  
EMAIL: **c.lewis@romabio.com**

## KEY

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**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

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

### GreenScreen (GS)

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