

**CLASSIFICATION:** 09 91 00 Finishes: Painting

**PRODUCT DESCRIPTION:** The Acro Pure line of products is a wall coating system that is easy to use, easy to clean, and safer for the environment. Using an advanced Ultra-Low VOC resin formulated specifically for Miller Paint, Acro Pure creates a lasting finish that will stand up to the rigors of daily life. A responsible alternative to conventional interior paints, it can be used anywhere a standard wall paint can be used. Acro Pure is a great choice in homes, commercial and industrial spaces, and healthcare environments. Recommended for use on properly prepared and primed or previously painted drywall, plaster, masonry, wood, and metal surfaces. This HPD covers Acro Pure Ultra Low VOC Interior Semi Gloss in White.

## Section 1: Summary

## Nested Method / Material 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

Residuals/Impurities  
Considered in 1 of 1 Materials

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**

ACRO PURE ULTRA LOW VOC INTERIOR SEMI GLOSS | WATER BM-4  
TITANIUM DIOXIDE LT-1 | CAN | END POLYMER LT-UNK | ACRYLIC  
POLYMER LT-UNK | NEPHELINE SYENITE LT-UNK | KAOLIN CLAY LT-UNK |  
CAN HYDROXYETHYL CELLULOSE LT-P1 | END COALESCING AGENT LT-  
UNK | ALUMINUM OXIDE LT-P1 | RES POLYACRYLATE COPOLYMER NoGS  
POLYGLYCOL LT-UNK | SEPIOLITE LT-UNK | CAN SILICA, AMORPHOUS  
LT-P1 | CAN BINDER SURFACTANT LT-UNK | PENTAPOTASSIUM  
TRIPHOSPHATE LT-UNK | POLYURETHANE RESIN NoGS | BINDER  
COMPONENT 1 LT-UNK | BINDER COMPONENT 2 LT-UNK | BINDER  
COMPONENT 3 LT-P1 | END | MUL ALCOHOLS, C6-10, ETHOXYLATED  
PROPOXYLATED NoGS | HYDROTREATED HEAVY PARAFFINIC  
PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3%  
DMSO AS MEASURED BY IP 346 LT-UNK | UNDISCLOSED NoGS  
ZIRCONIUM DIOXIDE LT-P1 | CAN AMMONIUM HYDROXIDE LT-P1 | RES |  
AQU | SKI | MUL RESIDUAL MONOMER NoGS ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

#### INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1.1, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight. Therefore, this HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1). Substances not "Identified" are those considered proprietary to suppliers, and thus are "Undisclosed" on this HPD.

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 2 g/L Regulatory (g/l): 5 g/L  
Does the product contain exempt VOCs: No  
Are ultra-low VOC tints available: Yes

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

VOC emissions: CDPH Standard Method – Not tested  
VOC content: ASTM Method D-6886

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes

PREPARER: Elixir Environmental

VERIFIER:

SCREENING DATE: 2018-10-17

PUBLISHED DATE: 2018-10-22





## 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)

### ACRO PURE ULTRA LOW VOC INTERIOR SEMI GLOSS

#: 100.0000 - 100.0000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Material ingredient information is representative of Acro Pure Ultra Low VOC Interior Semi Gloss in white.

#### WATER

ID: 7732-18-5

#: 51.1000 - 51.9000 GS: BM-4 RC: None NANO: No ROLE: Solvent; Diluent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

#### TITANIUM DIOXIDE

ID: 13463-67-7

#: 18.5000 - 19.4000 GS: LT-1 RC: None NANO: No ROLE: Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

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: US EPA - DfE SCIL - Green Circle - Verified Low Concern. Form-specific hazards: airborne particles of respirable size - occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several

materials ("Special Conditions"), including those with Form-Specific Hazards such as Titanium Dioxide. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was "determined to be Benchmark 2 using the full GS (GreenScreen) method" (<http://ow.ly/Z5ken>).

### POLYMER

ID: **Undisclosed**

#: **11.4000 - 11.9000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

### ACRYLIC POLYMER

ID: **Undisclosed**

#: **10.6000 - 10.7000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

### NEPHELINE SYENITE

ID: **37244-96-5**

#: **5.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler; Extender**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: US EPA - DfE SCIL - Green Circle - Verified Low Concern

### KAOLIN CLAY

ID: **1332-58-7**

#: **1.5000 - 1.7000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler; Extender**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: US EPA - DfE SCIL - Green Circle - Verified Low Concern.

### HYDROXYETHYL CELLULOSE

ID: **9004-62-0**

%: **1.3000 - 1.5000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Thickener**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**ENDOCRINE**

**TEDX - Potential Endocrine Disruptors**

**Potential Endocrine Disruptor**

SUBSTANCE NOTES: **US EPA - DfE SCIL - Green Circle - Verified Low Concern. May also include Cetylhydroxyethylcellulose (80455-45-4; LT-UNK; No warnings found on HPD Priority Hazard lists).**

**COALESCING AGENT**

ID: **Undisclosed**

%: **0.9000 - 1.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Coalescing Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found**

**No warnings found on HPD Priority lists**

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

SUBSTANCE NOTES: **Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.**

**ALUMINUM OXIDE**

ID: **1344-28-1**

%: **0.6000 - 1.4000**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Pigments and Related Additives**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**RESPIRATORY**

**AOEC - Asthmagens**

**Asthmagen (Rs) - sensitizer-induced**

SUBSTANCE NOTES:

**POLYACRYLATE COPOLYMER**

ID: **Undisclosed**

%: **0.4000 - 0.5000**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Dispersant; Surfactant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found**

**No warnings found on HPD Priority lists**

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

SUBSTANCE NOTES: **Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.**

**POLYGLYCOL**

ID: **Undisclosed**

%: **0.2000 - 0.2000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Defoaming Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**None Found**

**No warnings found on HPD Priority lists**

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

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

### SEPIOLITE

ID: 63800-37-3

#: 0.2000 - 0.3000 GS: LT-UNK RC: None NANO: No ROLE: Thickener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

### SILICA, AMORPHOUS

ID: 7631-86-9

#: 0.2000 - 0.6000 GS: LT-P1 RC: None NANO: No ROLE: Pigments and Related Additives

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES:

### BINDER SURFACTANT

ID: Undisclosed

#: 0.2000 - 0.3000 GS: LT-UNK RC: None NANO: No ROLE: Binder Surfactant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

\*3rd Party Screened\*

SUBSTANCE NOTES: US EPA - DfE SCIL - Green Circle - Verified Low Concern. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

### PENTAPOTASSIUM TRIPHOSPHATE

ID: 13845-36-8

#: 0.1000 - 0.2000 GS: LT-UNK RC: None NANO: No ROLE: Dispersant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**POLYURETHANE RESIN**ID: **Undisclosed**

%: <b>0.1000 - 0.2000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Thickener</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

**BINDER COMPONENT 1**ID: **Undisclosed**

%: <b>0.1000 - 0.3000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Surfactant</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

SUBSTANCE NOTES: US EPA - DfE SCIL - Green Circle - Verified Low Concern. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

**BINDER COMPONENT 2**ID: **Undisclosed**

%: <b>0.1000 - 0.3000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Surfactant</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

**BINDER COMPONENT 3**ID: **Undisclosed**

%: <b>0.1000 - 0.2000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Surfactant</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

**ENDOCRINE**

ChemSec - SIN List

Endocrine Disruption

**ENDOCRINE**

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

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

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

**ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED**

ID: 68987-81-5

%: <b>0.1000 - 0.2000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Dispersant; Surfactant</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: US EPA - DfE SCIL - Green Circle - Verified Low Concern

**HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346**

ID: 64742-54-7

%: <b>0.1000 - 0.3000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Defoaming Agent</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: DMSO content confirmed by supplier.

**UNDISCLOSED**

%: <b>0.0100 - 0.1000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Thickener</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

\*3rd Party Screened\*

SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

**ZIRCONIUM DIOXIDE**

ID: 1314-23-4

%: <b>0.0100 - 0.2000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Pigments and Related Additives</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES:

**AMMONIUM HYDROXIDE**

ID: 1336-21-6

%: <b>0.0100 - 0.1000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>pH Stabilizer</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:



RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

## RESIDUAL MONOMER

ID: **Undisclosed**

%: **Impurity/Residual**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

SUBSTANCE NOTES: Potential residual monomer of resin binder, as per supplier information. Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed.

## 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 – Not tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **N/A**

**09-01**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **VOC Emissions Testing has not been performed. VOC Content test results have been provided, as required for wet-applied products.**

### VOC CONTENT

### ASTM Method D-6886

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2009-**

EXPIRY DATE:

CERTIFIER OR LAB: **Cal Poly**

APPLICABLE FACILITIES: **All**

**01-12**

**Polymers and Coatings**

CERTIFICATE URL:

**Laboratory**

CERTIFICATION AND COMPLIANCE NOTES: **Analysis: VOC analysis of four paint samples done using ASTM Method D-6886. Solvent used: acetone. Internal standard: ethylene glycol diethyl ether (EGDE). Material VOC: 2 g/L. Coating VOC: 5 g/L.**

## 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



## MANUFACTURER INFORMATION

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MANUFACTURER: **Miller Paint**

ADDRESS: **12812 NE Whitaker Way**

**Portland OR 97230, USA**

WEBSITE: **www.millerpaint.com**

CONTACT NAME: **Samuel Hampson**

TITLE: **Coatings Specification Manager**

PHONE: **206.261.1958**

EMAIL: **samuel.hampson@millerpaint.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

**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.*