# KAUFMAN

# HiCap

**Health Product Declaration v2.3** CLASSIFICATION: 03 01 30 Maintenance of Cast-in-Place Concrete HPD UNIOUE IDENTIFIER: 215804528640

# **Product Description**

HiCap is a line of quick setting, cementitious patching and finishing compounds that are designed to be highly carvable. All HiCap series products can be featheredged or shaved to the desired shape, after achieving washed silica aggregates, unique accelerating additives, workability agents and water reducing agents.



# Section 1: Summary

# **Nested Method / Product Threshold**

#### **CONTENT INVENTORY**

**Inventory Reporting Format** 

Nested Materials Method

C Basic Method

**Threshold Disclosed Per** 

Material

Product

Threshold Level

C 1,000 ppm

C Per GHS SDS

Other

**Residuals/Impurities Evaluation** 

Completed in 7 of 7 Materials

Explanation(s) provided for Residuals/Impurities?

Yes ○ No

For all contents above the threshold, the manufacturer has: Characterized Yes ○ No

Provided weight and role.

Screened ⊙ Yes ○ No

Provided screening results using HPDC-approved

methods.

Identified Yes ○ No.

Provided name and CAS RN or other 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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR **IMPURITY** 

**GREENSCREEN SCORE | HAZARD TYPE** 

CEMENT [ PORTLAND CEMENT LT-P1 | CAN | END | MAM ] SAND [ QUARTZ BM-1\* | CAN | MAM | GEN ] ADDITIVE [ PLASTER OF PARIS ] FILLER [ KAOLIN LT-UNK | CAN ] SLAG [ BLAST FURNACE SLAG LT-UNK | BINDER [ HIGH-ALUMINA CEMENT LT-UNK ] POLYMER [ ETHYLENEVINYLACETATE COPOLYMER LT-UNK

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

### **INVENTORY AND SCREENING NOTES:**

Special Conditions applied: [GeologicalMaterial]

This HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. The manufacturer has made every effort to report the substances in this product to the listed threshold. This is a voluntary, self-reported effort. Any errors or omissions shall be considered a human error and therefore reported to the manufacturer. The manufacturer shall not be liable for omissions. The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD.

\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

#### **VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional

VOC emissions: Inherently non-emitting source per LEED VOC content: MAS Certified Green - VOC Content

#### **CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

O Yes
O No

PREPARER: Self-Prepared

VERIFICATION #:

SCREENING DATE: 2023-12-01 PUBLISHED DATE: 2023-12-15 EXPIRY DATE: 2026-12-01

### 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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

CEMENT	%: 40.0000 - 50.0000	
PRODUCT THRESHOLD: 100	RESIDUALS AND IMPURITIES EVALUATION COMPLETED:	MATERIAL TYPE: Geologically Derived
ppm	Yes	Material

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Portland Cement is made from materials mined from the earth, and may contain up to 0.75% insoluble residue, some of which may be free crystalline silica. Other trace Constituents may include free calcium oxide (also known as quick lime) and Chromium and Nickel may be at levels below 0.02%. (Continental Cement Company MSDS)

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-12-04 10:46:24			
GreenScreen: LT-P1	RC: None	NANO: <b>No</b>	SUBSTANCE I	ROLE: Binder	
LIST NAME AND SOURCE		WARNINGS			
MAK	MAK		Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
TEDX - Potential Endocrine [	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
GHS - Japan	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
GHS - Japan	GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
LIST NAME AND SOURCE		NOTIFICATION			
	GreenScreen: LT-P1  LIST NAME AND SOURCE  MAK  TEDX - Potential Endocrine E  GHS - Japan  GHS - Japan	GreenScreen: LT-P1 RC: None  LIST NAME AND SOURCE  MAK  TEDX - Potential Endocrine Disruptors  GHS - Japan  GHS - Japan	GreenScreen: LT-P1 RC: None NANO: No  LIST NAME AND SOURCE WARNINGS  MAK Carcinogen Group but not sufficient of the sum o	GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE F  LIST NAME AND SOURCE WARNINGS  MAK Carcinogen Group 3B - Evidence of but not sufficient for classification  TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor  GHS - Japan H335 - May cause respiratory irritation organ toxicity - Single exposure - Ca  GHS - Japan H372 - Causes damage to organs the repeated exposure [Specific target of toxicity following repeated exposure can be supposed to substitute for the substitute	

SUBSTANCE NOTES: No impurities are expected to be present at or above 100 ppm.

SAND	%: 22.0000 - 35.0000	
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RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peerreviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Percentages > 10% are used to disguise the formula covered as intellectual property.

HAZARD DATA SOURCE:	Pharos Chemical and Materials	s Library	HAZARD SO	CREENING DATE: 2023-12-04 10:45:2
%: 99.0000	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOUP	RCE	WARNINGS	
CAN	US CDC - Occupationa	al Carcinogens	Occupational Card	cinogen**
CAN	CA EPA - Prop 65		Carcinogen - spec	ific to chemical form or exposure
CAN	US NIH - Report on Ca	rcinogens	Known to be Huma	an Carcinogen (respirable size - ng)**
CAN	MAK		Carcinogen Group man**	1 - Substances that cause cancer in
CAN	IARC		Group 1 - Agent is from occupational	carcinogenic to humans - inhaled sources**
CAN	IARC		Group 1 - Agent is	Carcinogenic to humans**
CAN	US NIH - Report on Ca	rcinogens	Known to be a hur	man Carcinogen**
CAN	GHS - Japan		H350 - May cause 1A]**	cancer [Carcinogenicity - Category
CAN	GHS - Australia		H350i - May cause - Category 1A or 1	e cancer by inhalation [Carcinogenicit B]**
CAN	GHS - New Zealand		Carcinogenicity ca	ategory 1**
MAM	GHS - Japan		repeated exposure	mage to organs through prolonged or e [Specific target organs/systemic repeated exposure - Category 1]**
GEN	GHS - Japan		H341 - Suspected mutagenicity - Cat	of causing genetic defects [Germ cel tegory 2]**
MAM	GHS - Australia			mage to organs through prolonged or e [Specific target organ toxicity - e - Category 1]**
MAM	GHS - New Zealand		Specific target org category 1**	an toxicity - repeated exposure
ADDITIONAL LISTINGS	LIST NAME AND SOUR	RCE	NOTIFICATION	

ppm

SUBSTANCE NOTES: Per Pharos database: "Only a few elements can replace silicon in the quartz lattice (substitutional positions) or are small enough to occupy free spaces in the lattice (interstitial positions). In natural quartz crystals, the most common ones to replace Si are Al, Fe, Ge, and Ti, whereas Li, Na, Ca, Mg and Fe often occupy interstitial positions in the "c-channels"." [Mindat]

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

ADDITIVE %: 8.0000 - 12.0000

PRODUCT THRESHOLD: 100 RESIDUALS AND IMPURITIES EVALUATION COMPLETED: MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: To protect confidentiality, percentages are shown in range.

PLASTER OF PARIS ID: Geological Material

HAZARD DATA SOURCE: HPDC Special Conditions Policy

%: 100.0000 GreenScreen: Not Required RC: None NANO: No MATERIAL ROLE: Accelerator

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening is not applicable to this Special Condition

INGREDIENT DESCRIPTION AND COMPOSITION: Plaster of Paris is de-hydrated gypsum. Gypsum is a naturally forming non-metallic mineral, found as a rock or sand composed of 70.1% calcium sulphate and 20.9% water by weight. Its chemical formula is CaSO4 · 2H 2O.

COUNTRY OF ORIGIN: USA

RADIOACTIVE ELEMENTS: Unknown

POTENTIAL PRESENCE OF TOXIC METALS: Unknown

MATERIAL CONTENT NOTES: This disclosure does not provide potential presence of radioactive elements which may be found in certain geological materials.

This disclosure does not provide potential presence of toxic metals which may be found in certain geological materials.

FILLER %: 5.0000 - 10.0000

PRODUCT THRESHOLD: 100 RESIDUALS AND IMPURITIES EVALUATION COMPLETED: ppm Yes MATERIAL TYPE: Geologically Derived Material

HiCap

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

KAOLIN ID: 1332-58-7					
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2023-12-04 10:42:28		
%: <b>99.0000</b> Gre	eenScreen: LT-UNK	RC: UNK	NANO: <b>No</b>	SUBSTANCE ROLE: Filler	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	MAK		Carcinogen Group but not sufficient	o 3B - Evidence of carcinogenic effects for classification	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found				stings found on Additional Hazard Lists	

SUBSTANCE NOTES: This substance is identified on U.S EPA Safer Chemical Ingredients List.

SLAG	%: 5.0000 - 10.0000	
PRODUCT THRESHOLD: 100	RESIDUALS AND IMPURITIES EVALUATION COMPLETED:	MATERIAL TYPE: Other: Industrial by-
ppm	Yes	product/waste

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Blast furnace slag is a nonmetallic coproduct produced in the process. It consists primarily of silicates, aluminosilicates, and calcium-alumina-silicates. GGBFS can be used as a supplementary cementitious material either by premixing the slag with Portland cement or hydrated lime to produce a blended cement (during the cement production process) or by adding the slag to Portland cement concrete as a mineral admixture. (Federal Highway Administration)

BLAST FURNACE SLAG ID: 65996-69-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-12-04 10:44:32 %: 100.0000 GreenScreen: LT-UNK RC: PreC NANO: No SUBSTANCE ROLE: Filler **HAZARD TYPE** LIST NAME AND SOURCE **WARNINGS** None found No warnings found on HPD Priority Hazard Lists ADDITIONAL LISTINGS LIST NAME AND SOURCE **NOTIFICATION** None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Ground Granulated Blast Furnace Slag is a byproduct of iron blast furnaces. Slag is a supplementary cementitious material (SCM), and is considered a pre-consumer waste product under the LEED program.

PRODUCT THRESHOLD: 100
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PRODUCT THRESHOLD: 100
PRODUCT THRESHOLD: MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Per Pharos database: TSCA Definition 2008: High-Alumina cement is a mixture of chemical substances produced by burning or sintering at high temperature (greater than 1200.degree.C (2192.degree.F)) raw materials which are predominantly calcium carbonate, aluminum oxide, silica, and iron oxide.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-12-04 10:47:02

%: 99.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE LIST NAME AND SOURCE WARNINGS

None found No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

No listings found on Additional Hazard Lists

POLYMER %: 1.0000 - 3.0000

SUBSTANCE NOTES:

RESIDUALS AND IMPURITIES NOTES: Impurities listed above the threshold are noted in this HPD by Quartz or Pharos databases. Residuals and impurities are considered following the HPD Best Practice Guidance, 10.02.17, version 1 "The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD." This includes average data declared in the common product database or peer-reviewed scientific articles. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Actual formulation may be covered as intellectual proprietary.

#### ETHYLENEVINYLACETATE COPOLYMER ID: 24937-78-8 HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2023-12-04 10:43:30 %: 100.0000 GreenScreen: LT-UNK RC: None SUBSTANCE ROLE: Adhesive NANO: No **HAZARD TYPE WARNINGS** LIST NAME AND SOURCE No warnings found on HPD Priority Hazard Lists None found ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

# 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: 2023-12-04

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: 3811 Curtis Avenue, Baltimore,

Maryland

**CERTIFICATE URL:** 

CERTIFICATION AND COMPLIANCE NOTES: Per the LEED v4.1, concrete is a non-emitting source. No VOCs emission testing is necessary.

**EXPIRY DATE:** 

### **VOC CONTENT**

#### MAS Certified Green - VOC Content

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2023-12-09

**CERTIFIER OR LAB:** 

APPLICABLE FACILITIES: 3811 Curtis Avenue, Baltimore,

**EXPIRY DATE:** 

kaufmanproducts

MD.

**CERTIFICATE URL:** 

CERTIFICATION AND COMPLIANCE NOTES: This is not MAS Green certification. The VOC content has been self-declared, utilizing the selfcalculation method outlined by the United States Environmental Protection Agency (US EPA) and the South Coast Air Quality Management District (SCAQMD).

### **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.

Uses

# Section 5: General Notes

HiCap, combined with water or our SureBond latex modifier, is an excellent choice to repair or finish broken areas of concrete, especially in overhead and vertical applications.

Packaging/Yield

50 pound pail .45 ft3

50 pound bag .45 ft3

500 pound drum 4.5 ft3

Compressive Strength (ASTM C-109)

6 hrs 420 psi

1 day 3,300 psi

7 days 5,400 psi

28 days 6,500 psi

#### MANUFACTURER INFORMATION

MANUFACTURER: Kaufman Products, Inc.

ADDRESS: 3811 Curtis Avenue
Baltimore, Maryland 21226

COUNTRY: United States of America

WEBSITE: kaufmanproducts.net CONTACT NAME: Alex Kaufman

TITLE: President PHONE: 4103548600

EMAIL: akaufman@kaufmanproducts.net

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

# KEY

**Hazard Types** 

**AQU** Aquatic toxicity

**CAN** Cancer

DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity

**GEN** Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple
NEU Neurotoxicity

NF Not found on Priority Hazard Lists

**OZO** Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

**REP** Reproductive

**RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

**UNK** Unknown

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 (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown

NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

#### **Recycled Types**

PreC Pre-consumer recycled content

PostC Post-consumer recycled content

UNK Inclusion of recycled content is unknown

None Does not include recycled content

#### Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

#### **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