## 2500-50-SL by NRMCA

**Disclaimer: Reference Use Only** This document is not intended to serve as a Health Product Declaration. It is solely provided for reference purposes.

## Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: (available when published)

CLASSIFICATION: 03 30 00 Cast-in-Place Concrete

PRODUCT DESCRIPTION: National Benchmark average for 1m3 of Ready Mixed Concrete; Compressive Strength Range 0-2500 psi (0-17.24 MPa) and Slag ≥50%.

# Section 1: Summary

### CONTENT INVENTORY

- Inventory Reporting Format
- Nested Materials Method
  Basic Method

#### Threshold Disclosed Per

- Material
- O Product
- 100 ppm
  1,000 ppm
  Per GHS SDS
  Other

Threshold Level

Residuals/Impurities Evaluation Completed in 7 of 7 Materials

Explanation(s) provided for Residuals/Impurities? © Yes © No

# **Nested Method / Product Threshold**

For all contents above the threshold, the	e manufacturer has:
Characterized	• Yes O No
Provided weight and role.	
Screened	• Yes O No
Provided screening results using HPDC	-approved
methods.	
Identified	• Yes O No
Provided name and CAS RN or other id	entifier.

### 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

AGGREGATE [ LIMESTONE BM-3dg QUARTZ BM-1 | CAN | MAM | GEN ] WATER [ WATER (PRIMARY CASRN IS 7732-18-5) BM-4 ] PORTLAND CEMENT [ PORTLAND CEMENT LT-P1 | CAN | END | MAM ] SLAG [ BLAST FURNACE SLAG LT-UNK ] ACCELERATING ADMIXTURE [ WATER (PRIMARY CASRN IS 7732-18-5) BM-4 THIOCYANATE SODIUM LT-P1 | EYE | MAM | SKI | AQU ] WATER REDUCING ADMIXTURE [ ] ADDITIVE 2 [ ]

### **VOLATILE ORGANIC COMPOUND (VOC) CONTENT** VOC Content data is not applicable for this product category.

Number of Greenscreen BM-4/BM3 contents ... 3

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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 HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. Every effort has been made to report the substances in this product by the manufacturer 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.

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

VOC emissions: Inherently non-emitting source per LEED

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

C Yes

No

PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2023-08-10 PUBLISHED DATE: Not published EXPIRY DATE: Not published



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

AGGREGATE	%: 81.5600				
RODUCT THRESHOLD: 100 pm	RESIDUALS AND IMPU Yes	RITIES EVALUATION CO		TERIAL TYPE: Geolo terial	gically Derived
ESIDUALS AND IMPURITIES and impurities are considered A/I) is the same as that applie eventory Threshold do not new eviewed scientific articles. Fo urposes only and are not a gr atabases for researching pot- sted, then no residuals or imp	following the HPD Best Prac d to intentionally added subs ed to be reported on the HPE r this product, no actual mate uarantee of presence in the a ential residuals and impuritie	tice Guidance, 10.02.17, stances, i.e., 100 ppm or D." This includes average erial has been tested. Th ctual building material. F s. Any R/I above the thre	version 1 "The thre 1000 ppm. Residua data declared in the erefore, residuals a Pharos and PubChe shold shall be liste	eshold applied to Res als and impurities bel ne common product and impurities are for em (formerly TOXNET	iduals and Impuriti ow the declared database or peer- informational ) are the main
THER MATERIAL NOTES: Ag ortland cement, are an essen		naterials such as sand, r	bund gravel, or cru	shed stone that, alon	g with water and
LIMESTONE		-*31			ID: 1317-65
HAZARD DATA SOURCE: P	haros Chemical and Materia	als Library	HAZARD	SCREENING DATE:	2023-08-10 0:38:2
%: <b>99.0000</b> Gre	enScreen: BM-3dg	RC: UNK	NANO: No	SUBSTANCE R	OLE: Filler
HAZARD TYPE	LIST NAME AND SO	JRCE	WARNINGS		
None found			No warn	ings found on HPD F	Priority Hazard List
ADDITIONAL LISTINGS	LIST NAME AND SO	JRCE	NOTIFICATION		
None found			No I	istings found on Add	itional Hazard List
limestone are examples) co	ENTIAL RESIDUAL: "Building ntain crystalline silica in the f tz. (MSHA MSDS & Specialty	orm of quartz." (USGS C	rystalline Silica Pri		
QUARTZ					ID: 14808-60
HAZARD DATA SOURCE: P	haros Chemical and Materia	als Library	HAZARD	SCREENING DATE:	2023-08-10 0:38:
%: <b>0.1000 - 1.0000</b>	GreenScreen: BM-1	RC: UNK	NANO: No	SUBSTANCE ROLE:	Impurity/Residual

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	МАК	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
МАМ	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
МАМ	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
МАМ	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

WATER

%: 6.9500

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Other: Water

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." Pharos and PubChem (formerly TOXNET) are the main databases for researching potential residuals and impurities.

OTHER MATERIAL NOTES: No residuals or impurities are registered for this substance Per Pharos database.



	N IS 7732-18-5)	~ * ?			ID: 1371582-34-1
HAZARD DATA SOURCE:	Pharos Chemical and Material	s Library	HAZARD	SCREENING DATE:	2023-08-10 0:38:21
%: 100.0000	GreenScreen: BM-4	RC: UNK	NANO: No	SUBSTANCE R	OLE: Diluent
HAZARD TYPE	LIST NAME AND SOU	RCE	WARNINGS		
None found			No warni	ngs found on HPD F	Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOU	RCE	NOTIFICATION		
EXEMPT	European Union / Euro (EU EC)	opean Commission	EU - REACH Exen	nptions	
	(20 20)	161	Exempted from R safety	EACH Annex IV listi	ng due to intrinsic
SUBSTANCE NOTES: No	impurities are available for this :	substance Per Pharos o	latabase.		
PORTLAND CEMENT	%: 5.7100 0 RESIDUALS AND IMPUR Yes	ITIES EVALUATION CO	MPLETED: MAT	ERIAL TYPE: Geolo	gically Derived
•					glouny Derived
nd impurities are considere R/I) is the same as that app wentory Threshold do not i	ES NOTES: Impurities listed about ad following the HPD Best Practi- lied to intentionally added subst- need to be reported on the HPD. urities.	ce Guidance, 10.02.17, ances, i.e., 100 ppm or	version 1 "The thres 1000 ppm. Residual	shold applied to Res s and impurities bel	abases. Residuals siduals and Impurities ow the declared
and impurities are considered R/I) is the same as that app nventory Threshold do not a potential residuals and impu- DTHER MATERIAL NOTES: high temperatures (greater t silica, and iron oxide. The ch chemical substances specif he category are Ca2SiO4 an CaAl2O4; CaAl4O7; CaAl12O	ed following the HPD Best Practi- lied to intentionally added subst- need to be reported on the HPD. urities. TSCA Definition 2008: Portland of han 1200.degree.C (2192.degree nemical substances which are ma- ied below when they are intention nd Ca3SiO5. Other compounds li D1; Ca3Al2O6; Ca12Al14O33; Cai O15 (National Library of Medicine	ce Guidance, 10.02.17, ances, i.e., 100 ppm or "Pharos and PubCherr cement is a mixture of o .F)) raw materials which anufactured are confine nally manufactured in t sted below may also bo O; Ca2Fe2O5; Ca2AI2S	version 1 "The three 1000 ppm. Residual (formerly TOXNET) chemical substances in are predominantly ed in a crystalline ma he production of Po e included in combin i07; Ca4Al6SO16; C atabase.	shold applied to Res s and impurities bel are the main databa s produced by burni calcium carbonate, ass. This category ir rtland cement. The nation with these pri	abases. Residuals siduals and Impurities ow the declared ases for researching ng or sintering at aluminum oxide, ncludes all of the primary members of mary substances.:



	haros Chemical and Materials Libra	ry	HAZARD	SCREENING DATE: 202	23-08-10 0:38:2
%: 90.0000 - 95.0000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE	Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
CAN	мак		Carcinogen Group 3B - Evidence of carcinogenic effe		
END	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor		
МАМ	GHS - Japan		H372 - Causes damage to organs through prolonged o repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		s/systemic
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found		6	No lis	stings found on Addition	al Hazard List
SUBSTANCE NOTES: Resid	uals or impurities are quantitatively n	neasured and n	oted in this HPD whe	en greater than or equal	to 100 ppm.

ppm

Yes

product

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:** 





BLAST FURNACE SLAG	ä		-		ID: 65996-69-2
HAZARD DATA SOURC	E: Pharos Chemical and Material	s Library	HAZARD	SCREENING DATE: 20	23-08-10 0:38:22
%: 99.0000	GreenScreen: LT-UNK	RC: PreC	NANO: No	SUBSTANCE ROLE	Filler
HAZARD TYPE	LIST NAME AND SOU	RCE	WARNINGS		
None found			No warni	ings found on HPD Prior	ity Hazard Lists
ADDITIONAL LISTING	S LIST NAME AND SOU	RCE	NOTIFICATION		
None found		\$	No li	istings found on Additior	al Hazard Lists

SUBSTANCE NOTES: 100% Pre consumer/Post Industrial recycled content.

The majority of components in Granulated Blast Furnace Slag are various glassy Metallic Silicates (Iron, Calcium, Magnesium, Aluminum, and Titanium Silicates), including: Dicalcium Silicate (Ca2SiO4) 14284-23-2, Merwinite (Ca3MgSi2O8) 13813-64-4, and Gehlenite (Ca2Al2SiO7) 1302-56-3. According to the Pharos Database residuals and impurities are listed at an unknown threshold and can be: "Blast furnace slag is a nonmetallic coproduct produced in the process [of iron production]. It consists primarily of silicates, aluminosilicates, and calcium-alumina-silicates."

#### ACCELERATING ADMIXTURE %: 0.0700

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

rati

RESIDUALS AND IMPURITIES NOTES: 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.

OTHER MATERIAL NOTES: To complete this HPD peer-reviewed quality data has been used to fill in the gaps. Per the SDS there are no substances listed as hazardous in the additive. The Quartz or Pharos database and the European Federation of Concrete Admixtures Association (EFCA)- set accelerators EPD have been used for primary information. Per the EPD: The main raw materials used for set accelerators are aluminium sulphate, formates, fluorides, aluminates, amorphous aluminium hydroxide, carbonates, silicates and ethanolamines. Defoaming agents and preservatives are added as minor components and auxiliaries. Active substance concentration lies between 10 and 100% by mass. The typical dosage volumes for use in concrete are between 1 and 3% by mass, in terms of the cement weight. Shotcrete accelerators are used in doses of 3 to 12% by mass in relation to the cement weight.

The products covered by this EPD typically contain the following proportions by mass of constituent materials and auxiliaries referred to: Aluminium sulphate\*: max. 70 % Formates\*: max. 15 % Aluminates\*: max. 50 % Amorphous aluminium hydroxides\*: max. 20 % Citrates\*: max. 50 % Silicates\*: max. 2 % Sulfates\*: max. 10 % Ethanolamines\*: max. 10 % Nitrates\*: max. 50 % Org. acids\*: max. 10 % Thiocyanates\*: max. 25 % Additives: max. 5 % Water: approx. 30 - 90 %.



WATER (PRIMARY CASRN IS 7732-18-5) ID: 652133-48-7					
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD	SCREENING DATE: 2023-08-10 0:38:23	
%: <b>75.0000 - 80.0000</b>	GreenScreen: BM-4	RC: UNK	NANO: No	SUBSTANCE ROLE: Diluent	
HAZARD TYPE	LIST NAME AND SOURCE	V	VARNINGS		
None found		0.	No warni	ings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	N	IOTIFICATION		
EXEMPT	European Union / European Con (EU EC)	E	U - REACH Exer Exempted from F afety	mptions REACH Annex IV listing due to intrinsic	
SUBSTANCE NOTES: Percentages specified are typical and do not represent a specification.					
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD S	CREENING DATE: 2023-09-27 10:28:34	
%: 10.0000 - 25.0000	GreenScreen: LT-P1	RC: UNK	NANO: No	SUBSTANCE ROLE: Accelerator	
HAZARD TYPE	LIST NAME AND SOURCE	V	VARNINGS		
EYE	GHS - Australia			erious eye irritation [Serious eye ation - Category 2A]	
МАМ	GHS - Japan	re	epeated exposu	amage to organs through prolonged or re [Specific target organs/systemic repeated exposure - Category 1]	
SKI	GHS - New Zealand	S	kin sensitisation	a category 1	
AQU	GHS - New Zealand		lazardous to the ategory 2	aquatic environment - chronic	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	N	IOTIFICATION		
None found			No li	stings found on Additional Hazard Lists	
research, this is the best	r the SDS, no substances listed as hazardo available description of the substance pres ntrol of concrete admixtures; 17th edition o	sent in the mater			

## WATER REDUCING ADMIXTURE %: 0.0050

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric 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.

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold.

### **ADDITIVE 2**

%: 0.0020

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: 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."

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold.

oraft





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: 2023-08-05 00:00:00 **EXPIRY DATE:** 

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: This is not facility based. **CERTIFICATE URL:** 

CERTIFICATION AND COMPLIANCE NOTES: Per the LEED v4.1 standard for Building Design and Construction, page 207, Concrete is a nonemitting source. No VOC testing for emissions is necessary.

# **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

Request specific mix design and HPD from your concrete supplier.

Draft





#### MANUFACTURER INFORMATION

MANUFACTURER: NRMCA ADDRESS: 66 Canal Center Plaza Alexandria, Virginia 22314 COUNTRY: United States WEBSITE: www.nrmca.org CONTACT NAME: James Bogdan TITLE: VP, Sustainability Initiatives PHONE: 4124204138 EMAIL: jbogdan@nrmca.org

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

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**

GreenScreen (GS)

PreC Pre-consumer recycled content PostC Post-consumer recycled content UNK Inclusion of recycled content is unknown None Does not include recycled content

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)

#### **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

HPD and for compliance with the HPD standard noted.