

HPD UNIQUE IDENTIFIER: 29887

CLASSIFICATION: 09 23 00 Gypsum Plastering

PRODUCT DESCRIPTION: USG BEADEx® BRAND READY-MIX JOINT COMPOUNDS ARE MANUFACTURED TO FINISH GYPSUM PANELS AND OTHER SURFACES AS SPECIFIED IN THE INDIVIDUAL PRODUCT SUBMITTAL SHEETS. DEPENDING ON THE PRODUCT, USG BEADEx® BRAND READY-MIX CAN BE USED FOR A VARIETY OF APPLICATIONS INCLUDING: EMBEDDING PAPER JOINT TAPE, FINISHING GYPSUM PANEL JOINTS, SKIM COATING, FINISHING SECOND AND THIRD COATS AND HAND-APPLYING SIMPLE TEXTURING. THIS HPD ADDRESSES ALL USG BEADEx® BRAND READY-MIX JOINT COMPOUND PRODUCTS. FOR MORE INFORMATION ABOUT INDIVIDUAL PRODUCT PERFORMANCE ATTRIBUTES AND LIMITATIONS, PLEASE VISIT USG.COM.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>Provided name and CAS RN or other identifier.</i>

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.

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

USG BEADEx® BRAND READY-MIX JOINT COMPOUNDS | LIMESTONE; CALCIUM CARBONATE BM-3dg WATER BM-4 KAOLIN CLAY LT-UNK | CAN | ATTAPULGITE LT-1 | CAN | MAM | EYE UNDISCLOSED LT-UNK | PERLITE LT-UNK | EYE | UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK 1,3,5-TRIAZINE-1,3,5(2H,4H,6H)-TRIETHANOL (9CI) LT-UNK | SKI | MAM | EYE]

Number of Greenscreen BM-4/BM3 contents ... 2
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals/Impurities in raw materials that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS are displayed in the HPD when greater than or equal to 1000 ppm. USG uses an outside lab to quantify potential impurities of raw materials. Analytical methods may include but are not limited to; x-ray diffraction, x-ray fluorescence, atomic absorption, ion chromatography, liquid chromatography, and crystalline silica analysis.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 1-12.6 Regulatory (g/l): 50
 Does the product contain exempt VOCs: No
 Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified
 VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
 Pre-checked for LEED v4.1 Option 1.

Third Party Verified? <input type="radio"/> Yes <input checked="" type="radio"/> No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2022-09-14 PUBLISHED DATE: 2022-09-14 EXPIRY DATE: 2025-09-14
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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

USG BEADEx® BRAND READY-MIX JOINT COMPOUNDS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Raw materials in this product may contain trace amounts of respirable crystalline silica. Testing has shown exposures to respirable crystalline silica are not expected to exceed the OSHA Permissible Exposure Level (PEL) during the normal use of this product. See the SDS on usg.com for occupational exposure information.

OTHER PRODUCT NOTES: Only available in the Western U.S.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-09-14 12:05:26

#: 35.0000 - 65.0000 GreenScreen: BM-3dg RC: None NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DFE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Percent range is due to regional manufacturing variations.

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-09-14 12:05:26

#: 30.0000 - 50.0000 GreenScreen: BM-4 RC: None NANO: No SUBSTANCE ROLE: Solvent

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern
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SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. This substance is found in the product, as delivered to the job site but will not be found in the final installed product. Percent range is due to regional manufacturing variations.

KAOLIN CLAY

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-09-14 12:05:27		
%: 0.0000 - 7.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
	EC - CEPA DSL	Persistent		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern		

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

ATTAPULGITE

ID: 12174-11-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-09-14 12:05:28		
%: 1.0000 - 3.0000	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Surface modifier
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	CA EPA - Prop 65	Carcinogen		
CAN	IARC	Group 2b - Possibly carcinogenic to humans		
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man		
CAN	GHS - New Zealand	Carcinogenicity category 2		
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. The final product as installed is not in an inhalable form and not expected to increase the risk of cancer. The fibrous attapulgite raw material that USG uses in its products comes from the Meigs-Attapulgius-Quincy District (Georgia-Florida), a clay-rich region where the mineral content of the deposits consists almost entirely of attapulgite with minor quantities of impurities. In the finished form when applied according to USG specifications no exposure to attapulgite is expected for the building occupants.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-09-14 12:05:28		
%: 1.0000 - 3.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
	EC - CEPA DSL	Persistent		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1).

PERLITE

ID: **93763-70-3**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-09-14 12:05:29		
%: 0.0000 - 3.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
EYE	GHS - New Zealand	Eye irritation category 2		
	EC - CEPA DSL	Persistent		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern		

SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-09-14 12:05:30		
%: 0.0000 - 1.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1).

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-14 12:05:30**

%: **0.2000 - 0.6000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1).

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-14 12:05:31**

%: **0.0000 - 0.6000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1).

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-14 12:05:31**

%: **0.0000 - 0.5000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
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POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern
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SUBSTANCE NOTES: Proprietary ingredient. No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS. Not on the Living Building Challenge™ (LBC) Red List Chemical Guide (Version 3.1).

1,3,5-TRIAZINE-1,3,5(2H,4H,6H)-TRIETHANOL (9CI)

ID: 4719-04-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-09-14 12:05:32**

%: **0.1000 - 0.3000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antimicrobial Pesticide**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
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MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
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SKI	GHS - Japan	H317 - May cause an allergic skin reaction [Skin sensitizer - Category 1]
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SKI	GHS - New Zealand	Skin sensitisation category 1
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MAM	GHS - Australia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
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EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
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ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
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None found		No listings found on Additional Hazard Lists
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SUBSTANCE NOTES: No Residuals or Impurities are expected to be present at or above the 1000 ppm threshold that return a GreenScreen® score of BM-1, LT-1, LT-P1 or NoGS.

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	UL/GreenGuard Gold Certified	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL: https://spot.ul.com	ISSUE DATE: 2015-07-27 EXPIRY DATE:	CERTIFIER OR LAB: UL Environment
CERTIFICATION AND COMPLIANCE NOTES: VBuilding products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m ³) fall in the range of 0.5 mg/m ³ or less, as specified in CDPH Standard Method v1.2. Excluding Beadex® Brand Topping Joint Compound.		
VOC CONTENT	EPA Method 24 - Volatile Matter Content (EPA 24)	
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: VOC content is derived using EPA Method 24. CERTIFICATE URL:	ISSUE DATE: 2022-09-01 EXPIRY DATE:	CERTIFIER OR LAB: Self-declared
CERTIFICATION AND COMPLIANCE NOTES:		

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Ingredient specific notes are included in Section 2.

MANUFACTURER INFORMATION

MANUFACTURER: USG
ADDRESS: 550 West Adams St
 Chicago IL 60661, US
WEBSITE: usg.com

CONTACT NAME: Stacy Simpson
TITLE: Sustainability Manager
PHONE: 1-800-USG4YOU
EMAIL: sustainability@usg.com

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	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

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 HPD and for compliance with the HPD standard noted.