

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

**PRODUCT DESCRIPTION:** Acro Pure is an ultra low VOC interior acrylic latex primer designed for application to unprimed interior surfaces of residential, commercial, institutional, and industrial environments. Recommended for new interior wallboard, plaster, or masonry substrates. Enhanced with antimicrobial protection to inhibit the growth of odor causing mold and mildew bacteria, Acro Pure Interior Primer is recommended for new wallboard, plaster, or masonry substrates. This HPD covers Acro Pure Low VOC Interior Primer/Sealer 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 PRIMER/SEALER** [ **WATER** **BM-4**  
**LIMESTONE**; **CALCIUM CARBONATE** **LT-UNK** **ACRYLIC POLYMER** **LT-UNK**  
**TITANIUM DIOXIDE** **LT-1** | CAN | END **KAOLIN CLAY** **LT-UNK** | CAN  
**COPOLYMER** **LT-UNK** **COALESCING AGENT** **LT-UNK** **HYDROXYETHYL**  
**CELLULOSE** **LT-P1** | END **ALUMINUM OXIDE** **LT-P1** | RES  
**HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES**  
**(MINERAL OIL)**, **CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP**  
**346** **LT-UNK** **POLYACRYLATE COPOLYMER** **NoGS** **BINDER SURFACTANT**  
**LT-UNK** **SEPIOLITE** **LT-UNK** | CAN **POLYURETHANE RESIN** **NoGS**  
**POLYGLYCOL** **LT-UNK** **SILICA, AMORPHOUS** **LT-P1** | CAN **ALCOHOLS, C6-**  
**10, ETHOXYLATED PROPOXYLATED** **NoGS** **THICKENER** **NoGS**  
**ZIRCONIUM DIOXIDE** **LT-P1** | CAN **QUARTZ** **LT-1** | CAN ]

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): <3 g/l Regulatory (g/l): <1 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: SCAQMD Rule 1113 Architectural Coatings

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes  
 No

PREPARER: Elixir Environmental

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-10-17

PUBLISHED DATE: 2018-10-22

EXPIRY DATE: 2021-10-17



## 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 PRIMER/SEALER

#: 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 Primer/Sealer in white.

#### WATER

ID: 7732-18-5

#: 43.1000 - 43.4000

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.

#### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 18.0000 - 18.1000

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

#### ACRYLIC POLYMER

ID: Undisclosed

#: 12.0000 - 12.1000

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.

## TITANIUM DIOXIDE

ID: 13463-67-7

#: **10.9000 - 11.5000** 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>).

## KAOLIN CLAY

ID: 1332-58-7

#: **6.6000 - 6.7000** 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

## COPOLYMER

ID: Undisclosed

#: **1.9000 - 2.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Optical Enhancer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

|            |   |                             |
|------------|---|-----------------------------|
| None Found | No warnings found on HPD Priority lists | <b>*3rd Party Screened*</b> |
|------------|---|-----------------------------|

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.

## COALESCING AGENT

ID: Undisclosed

%: **0.8000 - 0.9000**

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.

**HYDROXYETHYL CELLULOSE**

ID: **9004-62-0**

%: **0.4000 - 0.5000**

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).

**ALUMINUM OXIDE**

ID: **1344-28-1**

%: **0.3000 - 0.8000**

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:

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

ID: **64742-54-7**

%: **0.3000 - 0.5000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Defoaming Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: DMSO content confirmed by supplier.

**POLYACRYLATE COPOLYMER**

ID: **Undisclosed**

%: **0.2000 - 0.3000**

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.

### BINDER SURFACTANT

ID: **Undisclosed**

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

### 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:

### POLYURETHANE RESIN

ID: **Undisclosed**

#: **0.1000 - 0.2000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Thickener**

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**

#: **0.1000 - 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.

**SILICA, AMORPHOUS**

ID: 7631-86-9

|                           |                  |                 |                 |   |
|---------------------------|------------------|-----------------|-----------------|---|
| %: <b>0.1000 - 0.4000</b> | GS: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Pigments and Related Additives</b> |
|---------------------------|------------------|-----------------|-----------------|---|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**

Japan - GHS

Carcinogenicity - Category 1A

**CANCER**

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES:

**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</b> |
|---------------------------|-----------------|-----------------|-----------------|-------------------------|

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

**THICKENER**

ID: Undisclosed

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

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 - 0.1000</b> | GS: <b>LT-P1</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Pigments and Related Additives</b> |
|---------------------------|------------------|-----------------|-----------------|---|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**

MAK

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

SUBSTANCE NOTES:

**QUARTZ**

ID: 14808-60-7

|                             |                 |                 |                 |                                |
|-----------------------------|-----------------|-----------------|-----------------|--------------------------------|
| %: <b>Impurity/Residual</b> | GS: <b>LT-1</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Impurity/Residual</b> |
|-----------------------------|-----------------|-----------------|-----------------|--------------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

|        |                                   |   |
|--------|-----------------------------------|---|
| CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen   |
| CANCER | CA EPA - Prop 65                  | Carcinogen - specific to chemical form or exposure route                      |
| CANCER | IARC                              | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources |
| CANCER | US NIH - Report on Carcinogens    | Known to be Human Carcinogen (respirable size - occupational setting)         |
| CANCER | MAK                               | Carcinogen Group 1 - Substances that cause cancer in man                      |
| CANCER | New Zealand - GHS                 | 6.7A - Known or presumed human carcinogens                                    |
| CANCER | Japan - GHS                       | Carcinogenicity - Category 1A   |
| CANCER | Australia - GHS                   | H350i - May cause cancer by inhalation  |

SUBSTANCE NOTES: Potential impurity of raw materials (e.g. Limestone, Sepiolite). Quartz is one of several compounds with warnings restricted to respirable forms (Silica, crystalline - airborne particles of respirable size). 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 Quartz/Silica.

## 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

### SCAQMD Rule 1113 Architectural Coatings

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

**09-01**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Meets requirements of SCAQMD Rule 1113 for Primers/Sealers. VOC Content calculated from formulation.**

## 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.*