

Acro Pure Ultra Low VOC Interior Eggshell by Miller Paint

Health Product Declaration v2.1

CLASSIFICATION: 09 91 00 Finishes: Painting

created via: HPDC Online Builder

PRODUCT DESCRIPTION: ACRO PURE is an ultra low VOC interior acrylic latex finish designed for application to the interior walls in residential, commercial, institutional and industrial environments. This product contains anti-microbial properties to help protect the dried paint film. Recommended for use on properly prepared and primed or previously painted drywall, plaster, masonry, wood, and metal surfaces. This HPD covers Acro Pure Ultra Low VOC Interior Eggshell in white (4650 Series).

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 EGGSHELL [WATER (WATER) BM-4 TITANIUM DIOXIDE (TITANIUM DIOXIDE) LT-1 | CAN | END UNDISCLOSED LT-UNK NEPHELINE SYENITE (NEPHELINE SYENITE) LT-UNK UNDISCLOSED LT-UNK KAOLIN CLAY (KAOLIN CLAY) LT-UNK | CAN UNDISCLOSED LT-UNK ALUMINUM OXIDE (ALUMINUM OXIDE) LT-P1 | RES SEPIOLITE (SEPIOLITE) LT-UNK | CAN ETHYLHYDROXYETHYLCELLULOSE (ETHYLHYDROXYETHYLCELLULOSE) LT-UNK HYDROXYETHYL CELLULOSE (HYDROXYETHYL CELLULOSE) LT-P1 | END ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED (ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED) NoGS SILICA, AMORPHOUS (SILICA, AMORPHOUS) LT-P1 | CAN ZIRCONIUM DIOXIDE (ZIRCONIUM DIOXIDE) LT-P1 UNDISCLOSED NoGS UNDISCLOSED LT-UNK UNDISCLOSED NoGS UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK AMMONIUM HYDROXIDE (AMMONIUM HYDROXIDE) LT-P1 | SKI | AQU | RES | MUL UNDISCLOSED LT-P1 | END | MUL HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346 (HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346) LT-UNK UNDISCLOSED NoGS]

Number of Greenscreen BM-4/BM3 contents..... 1
 Contents highest concern GreenScreen
 Benchmark or List translator Score..... LT-1
 Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1, 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).

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 1 Regulatory (g/l): 2
 Does the product contain exempt VOCs: No
 Are ultra-low VOC tints available: Yes

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC content: ASTM Method D-6886

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
 VERIFIER:
 VERIFICATION #:

SCREENING DATE: 2017-10-02
 PUBLISHED DATE: 2017-10-02
 EXPIRY DATE: 2020-10-02

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

ACRO PURE ULTRA LOW VOC INTERIOR EGGSHELL

#: 100.0000 - 100.0000

HPD URL:

MATERIAL THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals or impurities with the potential to be present at or above the declared Content Inventory Threshold 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 Eggshell in white.

WATER (WATER)

ID: 7732-18-5

#: 46.9000 - 47.8000 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:

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: 13463-67-7

#: 17.9000 - 18.9000 GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

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

SUBSTANCE NOTES: US EPA - DfE SCIL - Green Circle - Verified Low Concern. Form-specific hazards not expected to apply when bound in the matrix of the finished product. 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>).

UNDISCLOSED

%: 10.5000 - 11.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Resin Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

NEPHELINE SYENITE (NEPHELINE SYENITE)

ID: 37244-96-5

%: 9.0000 - 9.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler, Extender

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

UNDISCLOSED

%: 4.6000 - 4.8000

GS: LT-UNK

RC: None

NANO: No

ROLE: Resin Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

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

KAOLIN CLAY (KAOLIN CLAY)

ID: 1332-58-7

%: 4.5000 - 4.5000

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.

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

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

ALUMINUM OXIDE (ALUMINUM OXIDE)

ID: 1344-28-1

#: 0.5000 - 1.3000	GS: LT-P1	RC: None	NANO: No	ROLE: Pigments and Related Additives
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagens (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Form-specific hazard not expected to apply when bound in the matrix of the finished product.

SEPIOLITE (SEPIOLITE)

ID: 63800-37-3

#: 0.4000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: Thickener
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES:

ETHYLHYDROXYETHYLCELLULOSE (ETHYLHYDROXYETHYLCELLULOSE)

ID: 9004-58-4

#: 0.2000 - 0.3000	GS: LT-UNK	RC: None	NANO: No	ROLE: Thickener
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES:

HYDROXYETHYL CELLULOSE (HYDROXYETHYL CELLULOSE)

ID: 9004-62-0

#: 0.2000 - 0.3000	GS: LT-P1	RC: None	NANO: No	ROLE: Thickener
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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).

ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED (ALCOHOLS, C6-10, ETHOXYLATED PROPOXYLATED)

ID: 68987-81-5

#: 0.2000 - 0.3000	GS: NoGS	RC: None	NANO: No	ROLE: Dispersant, Surfactant
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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None Found

No warnings found on HPD Priority lists

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

SILICA, AMORPHOUS (SILICA, AMORPHOUS)

ID: 7631-86-9

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES:

ZIRCONIUM DIOXIDE (ZIRCONIUM DIOXIDE)

ID: 1314-23-4

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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

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

UNDISCLOSED

#: **0.2000 - 0.3000** 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: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

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

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

UNDISCLOSED

#: **0.1000 - 0.2000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder Component**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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

UNDISCLOSED

#: **0.0800 - 0.1600** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder Component**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

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

AMMONIUM HYDROXIDE (AMMONIUM HYDROXIDE)

ID: **1336-21-6**

#: **0.0500 - 0.1400** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **pH Adjustment**

HAZARDS: AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES:

UNDISCLOSED

HAZARDS:	AGENCY(IES) WITH WARNINGS:
ENDOCRINE	EU - Priority Endocrine Disruptors Category 1 - In vivo evidence of Endocrine Disruption Activity
ENDOCRINE	ChemSec - SIN List Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

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

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346 (HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL), CONTAINING LESS THAN 3% DMSO AS MEASURED BY IP 346) ID: 64742-54-7

HAZARDS:	AGENCY(IES) WITH WARNINGS:	RC: None	NANO: No	ROLE: Defoaming Agent
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: DMSO content confirmed by supplier.

UNDISCLOSED

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

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

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC CONTENT **ASTM Method D-6886**

CERTIFYING PARTY: Self-declared	ISSUE DATE: 2009-01-12	EXPIRY DATE:	CERTIFIER OR LAB: Cal Poly Polymers and Coatings
APPLICABLE FACILITIES: All			

CERTIFICATION AND COMPLIANCE NOTES: Analysis: VOC analysis of four paint samples done using ASTM Method D-6886.
Solvent used: acetone. Internal standard: ethylene glycol diethyl ether (EGDE). Material VOC: 1 g/L. Coating VOC: 2 g/L.

+ Section 4: Accessories

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

No accessories are required for this product.

📖 Section 5: General Notes

👁️ Section 6: References

MANUFACTURER INFORMATION

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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information)

BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insufficient data to benchmark)

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.