

CLASSIFICATION: 09 91 00.00 Finishes: Painting

created via: HPDC Online Builder

PRODUCT DESCRIPTION: EcoLogic® Ultra Low VOC Interior/Exterior Waterborne Semi-Gloss finish is one of the finishes in the near zero VOC High Performance coatings specifically formulated to replace alkyd base products in hospitals, schools, heavy duty institutional and light industrial areas. Self-priming on most interior or exterior surfaces including previously painted surfaces, drywall, concrete block, masonry, composite siding materials and wood. EcoLogic® finishes are formulated for repainting areas that require a tough, durable, non-yellowing, scrubbable, low odour finish. This product is lead free and resists mildew, moisture and dirt. EcoLogic® Waterborne Semi-Gloss coating meets Environment Canada's VOC limits for Architectural and Industrial Maintenance Coatings. Approved by the Master Painters Institute under category #141, #153, #163 and #311. This HPD covers EcoLogic® Ultra Low VOC Interior/Exterior 100% Acrylic Latex Semi-Gloss (Gloss level 5) in white. Product code: 70623

Section 1: Summary

Basic Method / Product 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

- Considered
 Partially Considered
 Not Considered
 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

ECOLOGIC® ULTRA LOW VOC INTERIOR/EXTERIOR 100% ACRYLIC SEMI-GLOSS | WATER **BM-4** TITANIUM DIOXIDE **LT-1** | CAN | END ACRYLIC POLYMER **NoGS** ACRYLIC COPOLYMER **NoGS** NEPHELINE SYENITE **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** SILICA, AMORPHOUS **LT-P1** | CAN ALUMINA TRIHYDRATE **BM-2** | RES UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-P1** | MUL UNDISCLOSED **LT-UNK** UNDISCLOSED **NoGS** UNDISCLOSED **NoGS** UNDISCLOSED **BM-2** SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES (SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES) **LT-1** | CAN | MUL 2,2'-(BUTYLIMINO)DIETHANOL **LT-UNK** BENTONITE **LT-UNK** BENZOPHENONE **LT-1** | CAN | END]

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 qualifies for 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): <2 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 emissions: VOC Emission Test Certificate - 70623

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: 2018-01-10
 PUBLISHED DATE: 2018-01-10
 EXPIRY DATE: 2021-01-10

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

ECOLOGIC® ULTRA LOW VOC INTERIOR/EXTERIOR 100% ACRYLIC SEMI-GLOSS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER PRODUCT NOTES: Percent by weight of substances reported as range in order to further protect the proprietary nature of this formulation.

WATER

ID: 7732-18-5

#: **50.0000 - 55.0000** GS: **BM-4** RC: **None** NANO: **No** ROLE: **Diluent, Flow Aid**

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

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

#: **15.0000 - 20.0000** 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
CANCER	MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
ENDOCRINE	TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. 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. This HPD will be updated as appropriate when these guidelines become available. 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>).

ACRYLIC POLYMERID: **Undisclosed**%: **10.0000 - 15.0000** GS: **NoGS** 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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

ACRYLIC COPOLYMERID: **Undisclosed**%: **5.0000 - 10.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Optical Additive**

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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

NEPHELINE SYENITEID: **37244-96-5**%: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Extender**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

UNDISCLOSED%: **0.5000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Emulsifying Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. 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 with results disclosed.

UNDISCLOSED%: **0.5000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Modifier**

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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

#: **0.5000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Coalescing Aid**

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.

SILICA, AMORPHOUS

ID: **7631-86-9**

#: **0.5000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Extender**

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER Japan - GHS Carcinogenicity - Category 1A

SUBSTANCE NOTES:

ALUMINA TRIHYDRATE

ID: **21645-51-2**

#: **0.5000 - 1.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Opacifying Agent**

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES:

UNDISCLOSED

#: **0.1000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Dispersant**

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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

#: **0.1000 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Emulsifying Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List. 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 with results disclosed.

UNDISCLOSED

#: **0.1000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Foam Control 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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

#: **0.1000 - 0.5000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Rheology Modifier**

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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

#: **0.1000 - 0.5000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Open Time Extender**

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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

UNDISCLOSED

#: **0.1000 - 0.5000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Anti-Blocking Additive**

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 with third-party consultant; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists with results disclosed.

SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES (SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES)

ID: 64742-65-0

%: **0.1000 - 0.5000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Foam Control Agent**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - R-phrases	R45 - May cause cancer
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: According to Pharos CML, the classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract. We are working with our supplier to confirm that this exception applies to this substance. As per supplier SDS, "This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA)."

2,2'-(BUTYLIMINO)DIETHANOL

ID: 102-79-4

%: **0.1000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **pH Stabilizer**

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

SUBSTANCE NOTES:

BENTONITE

ID: 1302-78-9

%: **0.1000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Rheology Modifier**

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

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List.

BENZOPHENONE

ID: 119-61-9

%: **0.0500 - 0.2000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Optical Additive Component**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 2b - Possibly carcinogenic to humans

CANCER	CA EPA - Prop 65	Carcinogen
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SUBSTANCE NOTES:		

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	VOC Emission Test Certificate - 70623		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2016-11-	EXPIRY DATE:	CERTIFIER OR LAB: Berkeley
APPLICABLE FACILITIES: All	03		Analytical
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Certificate No: 161103-02. Reference Standard: California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (Emission testing method for CA Specification 01350).			

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: **Cloverdale Paint Inc. - Cloverdale Paint**

CONTACT NAME: **Jeff McIntyre**

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**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.