

CLASSIFICATION: 09 91 00.00 Finishes: Painting

created via: HPDC Online Builder

PRODUCT DESCRIPTION: PrimeSolution First Coat is a fast drying pigmented latex emulsion coating designed for use as a prime coat on exterior and interior surfaces. PS First Coat has tenacious adhesion to a variety of challenging substrates and is alkali resistant. It can be tinted from a white base or a deep base to facilitate topcoat coverage. PrimeSolutions First Coat may be used as a primer on a variety of surfaces: new or previously coated wood, brick, masonry, concrete, hardboard, stucco, plaster, properly prepared galvanized steel, and aluminum. Used also when painting over rusted nailheads or tannin-bleeding wood. This HPD covers PrimeSolution First Coat Primer in white. First Coat primer is listed under multiple Master Painter Institute "MPI Approved" categories. Product Code: 501601

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
Percent Weight and Role Provided? Yes No

Screened
Using Priority Hazard Lists with Results Disclosed? Yes No

Identified
Name and Identifier Provided? Yes No

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

PRIMESOLUTION FIRST COAT PRIMER [WATER **BM-4** ACRYLIC EMULSION **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN | END LIMESTONE; CALCIUM CARBONATE **LT-UNK** TALC **BM-1** | CAN CALCIUM CARBONATE **BM-3** SILICA, AMORPHOUS **LT-P1** | CAN ALUMINA TRIHYDRATE **BM-2** | RES UNDISCLOSED **LT-UNK** | CAN UNDISCLOSED **LT-UNK** DIPROPYLENE GLYCOL **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-UNK** UNDISCLOSED **LT-P1** | MAM | SKI | AQU | RES | END | MUL 2-AMINO-2-METHYL-1-PROPANOL **LT-UNK** | EYE | SKI | AQU BENTONITE **LT-UNK** SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES **LT-1** | CAN | MUL PROPYLENE GLYCOL **BM-2** | END UNDISCLOSED **NoGS** QUARTZ **LT-1** | CAN CHLORITE **NoGS**]

Number of Greenscreen BM-4/BM3 contents..... 2
 Contents highest concern GreenScreen
 Benchmark or List translator Score..... BM-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): <40 Regulatory (g/l): <40
 Does the product contain exempt VOCs: Yes
 Are ultra-low VOC tints available: Yes

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

VOC emissions: VOC Emission Test Certificate - 501601

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: 2018-01-05
 PUBLISHED DATE: 2018-01-05
 EXPIRY DATE: 2021-01-05

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

PRIMESOLUTION FIRST COAT PRIMER

PRODUCT 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 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 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

#: 45.0000 - 50.0000 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:

ACRYLIC EMULSION

ID: Undisclosed

#: 20.0000 - 25.0000 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 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

#: 10.0000 - 15.0000 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: Substance bound in matrix of finished product. 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>).

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 5.0000 - 10.0000	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.

TALC

ID: 14807-96-6

%: 1.0000 - 5.0000	GS: BM-1	RC: None	NANO: No	ROLE: Extender
--------------------	----------	----------	----------	----------------

HAZARDS:	AGENCY(IES) WITH WARNINGS:
----------	----------------------------

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
--------	-----	--

SUBSTANCE NOTES: Substance bound in matrix of finished product. GreenScreen® Assessment for Talc (CAS# 14807-96-6) assigns the following GreenScreen® Benchmark Scores for Relevant Routes of Exposure: Inhalation (BM-1); Oral (BM-3DG); Dermal (BM-U).

CALCIUM CARBONATE

ID: 471-34-1

%: 1.0000 - 5.0000	GS: BM-3	RC: None	NANO: No	ROLE: Opacity Pigment
--------------------	----------	----------	----------	-----------------------

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.

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: Substance bound in matrix of finished product.

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 Asthmagens (ARs) - sensitizer-induced - inhalable forms only

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

UNDISCLOSED

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

HAZARDS:	AGENCY(IES) WITH WARNINGS:
CANCER	MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Substance bound in matrix of finished product. 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.

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 using the HPD Builder with results disclosed.

DIPROPYLENE GLYCOL

ID: 25265-71-8

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

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

#: 0.1000 - 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 using the HPD Builder with results disclosed.

UNDISCLOSED

#: 0.1000 - 0.5000

GS: LT-UNK

RC: None

NANO: No

ROLE: 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 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.

UNDISCLOSED

#: 0.1000 - 0.2000

GS: LT-P1

RC: None

NANO: No

ROLE: Drying Agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rr) - irritant-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

MAMMALIAN

EU - GHS (H-Statements)

H331 - Toxic if inhaled

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

MAMMALIAN

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

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.

2-AMINO-2-METHYL-1-PROPANOL

ID: 124-68-5

#: 0.1000 - 0.5000

GS: LT-UNK

RC: None

NANO: No

ROLE: Co-dispersant; Neutralizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
SKIN IRRITATION	EU - R-phrases	R38 - Irritating to skin
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: AMP is considered VOC-exempt according to the US EPA and Environment Canada.

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.

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: Substance bound in matrix of finished product. 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 determine if this exception applies to this substance. As per supplier SDS, no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by IARC, OSHA, or NTP. Supplier SDS further states: "This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm."

PROPYLENE GLYCOL

ID: 57-55-6

%: 0.1000 - 0.5000	GS: BM-2	RC: None	NANO: No	ROLE: Open Time Extender
HAZARDS:	AGENCY(IES) WITH WARNINGS:			

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

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 using the HPD Builder with results disclosed.

QUARTZ

ID: **14808-60-7**

#: **Impurity/Residual** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

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	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	IARC Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	New Zealand - GHS 6.7A - Known or presumed human carcinogens
CANCER	Australia - GHS H350 - May cause cancer

SUBSTANCE NOTES: Potential impurity of various geological materials (e.g. limestone, kaolin). 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. This HPD will be updated as appropriate when these guidelines become available. Exposures to respirable crystalline silica are not expected during the recommended use of this product.

CHLORITE

ID: **1318-59-8**

#: **Impurity/Residual** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

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

SUBSTANCE NOTES: Chlorite Group Minerals. Potential impurity of Talc based on information provided in supplier SDS.

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 - 501601		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2016-11-	EXPIRY DATE:	CERTIFIER OR LAB: Berkeley
APPLICABLE FACILITIES: Rivergate Manufacturing Facility, Portland, Oregon	29		Analytical
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES: Certificate No: 161129-06. Reference Standard: California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (Emission testing method for CA Specification 01350). Test report available upon request.			

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 & Rodda Paint Co.**

ADDRESS: **6107 N Marine Drive
Portland OR 97203, USA**

WEBSITE: **Information in Canada:
www.cloverdalepaint.com, and USA:
www.roddapaint.com**

CONTACT NAME: **Jeff McIntyre**

TITLE: **Business Development Manager**

PHONE: **206.396.7074**

EMAIL: **jm McIntyre@roddapaint.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 from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.