

CLASSIFICATION: 09 91 23.00 Finishes: Interior Painting

created via: HPDC Online Builder

PRODUCT DESCRIPTION: The Horizon line of premium interior paints is formulated with Zero-VOC Acrylic Resin technologies and provides the advantages of great interior performance with virtually no odors during application. Horizon is easy to apply with minimal spatter, and flows to a beautiful uniform finish with excellent adhesion over most interior surfaces. Horizon dries quickly to a stain resistant finish that is easily washable. The Horizon formula resists growth of bacteria, mold and mildew and cleans-up easily with warm water. Horizon is an excellent choice for painting projects with occupied spaces, odor sensitive people, or environments where indoor air-quality is a concern, such as residential homes and public buildings, schools or healthcare facilities. Horizon paints are MPI approved and will qualify for LEED application points for new construction for the green building rating system. This HPD covers Horizon Interior Semigloss Enamel in White. Product Code: 543501.

**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.

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

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

**HORIZON INTERIOR LATEX SEMIGLOSS ENAMEL** [ **WATER** **BM-4** **ACRYLIC POLYMER** **LT-UNK** **TITANIUM DIOXIDE** **LT-1** | CAN | END **NEPHELINE SYENITE** **LT-UNK** **KAOLIN CLAY** **LT-UNK** | CAN **ALUMINUM OXIDE** **LT-P1** | **RES SODIUM CARBONATE** **LT-P1** | **EYE UNDISCLOSED** **LT-UNK** **SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES** **LT-1** | CAN | **MUL 2-AMINO-2-METHYL-1-PROPANOL** **LT-UNK** | **EYE** | **SKI** | **AQU ETHYLHYDROXYETHYLCELLULOSE** **LT-UNK** **UNDISCLOSED** **BM-2** **POLYPROPYLENE GLYCOL** **LT-UNK** **POLY(OXY-1,2-ETHANEDIYL), ALPHA-(NONYLPHENYL)-OMEGA-HYDROXY-, BRANCHED, PHOSPHATES, SODIUM SALTS** **NoGS** **HEXANEDIOIC ACID, DIHYDRAZIDE (HEXANEDIOIC ACID, DIHYDRAZIDE)** **NoGS** **UNDISCLOSED** **LT-UNK** **POLYURETHANE RESIN** **NoGS** **UNDISCLOSED** **LT-UNK** **POLYOXYETHYLENE BRANCHED C9 ALKYLPHENOL ETHER** **BM-1tp** | **PBT** | END | **MUL** | **REP** | **AQU** | **DEL** ]

**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): <1.0 Regulatory (g/l): <1.0  
Does the product contain exempt VOCs: Yes  
Are ultra-low VOC tints available: Yes

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

No certifications have been added to this HPD.

**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: 2017-12-21

PUBLISHED DATE: 2017-12-21

EXPIRY DATE: 2020-12-21

## 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)

### HORIZON INTERIOR LATEX SEMIGLOSS ENAMEL

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: Flow Aid

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### ACRYLIC POLYMER

ID: Undisclosed

#: 20.0000 - 25.0000 GS: LT-UNK RC: None NANO: No ROLE: 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 using the HPD Builder with results disclosed.

#### 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

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

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>).

### NEPHELINE SYENITE

ID: 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.

### KAOLIN CLAY

ID: 1332-58-7

#: **0.5000 - 1.0000** GS: **LT-UNK** 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: Identified on the US EPA Safer Chemicals Ingredient List.

### ALUMINUM OXIDE

ID: 1344-28-1

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

HAZARDS: AGENCY(IES) WITH WARNINGS:

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

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

### SODIUM CARBONATE

ID: 497-19-8

#: **0.1000 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **pH Adjustment**

HAZARDS: AGENCY(IES) WITH WARNINGS:

EYE IRRITATION EU - R-phrases R36 - Irritating to eyes

SUBSTANCE NOTES: Soda ash. Substance bound in matrix of finished product. Identified on the US EPA Safer Chemical Ingredient List.

## 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.

## 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 &amp;/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."

## 2-AMINO-2-METHYL-1-PROPANOL

ID: **124-68-5**

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

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

SUBSTANCE NOTES: Substance bound in matrix of finished product. AMP is considered VOC-exempt according to the US EPA and Environment Canada.

**ETHYLHYDROXYETHYLCELLULOSE**

ID: 9004-58-4

#: **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:

**UNDISCLOSED**

#: **0.1000 - 0.5000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Slip and 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 using the HPD Builder with results disclosed.

**POLYPROPYLENE GLYCOL**

ID: 25322-69-4

#: **0.1000 - 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:

**POLY(OXY-1,2-ETHANEDIYL), ALPHA-(NONYLPHENYL)-OMEGA-HYDROXY-, BRANCHED, PHOSPHATES, SODIUM SALTS**

ID: 68954-84-7

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

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**HEXANEDIOIC ACID, DIHYDRAZIDE (HEXANEDIOIC ACID, DIHYDRAZIDE)**

ID: 1071-93-8

#: **0.1000 - 0.5000**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Binder Component (Crosslinker)**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**UNDISCLOSED**

#: **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: 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.

**POLYURETHANE RESIN**

ID: **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.

**UNDISCLOSED**

#: **0.1000 - 0.5000**

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 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.

**POLYOXYETHYLENE BRANCHED C9 ALKYLPHENOL ETHER**

ID: **68412-54-4**

#: **0.0500 - 0.1000**

GS: **BM-1tp**

RC: **None**

NANO: **No**

ROLE: **Surfactant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PBT

OSPAR - Priority PBTs & EDs & equivalent concern

PBT - Chemical for Priority Action

ENDOCRINE

OSPAR - Priority PBTs & EDs & equivalent concern

Endocrine Disruptor - Chemical for Priority Action

RESTRICTED LIST	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RESTRICTED LIST	US EPA - PPT Chemical Action Plans	TSCA Work Plan chemical - Action Plan in development
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
REPRODUCTIVE	US EPA - PPT Chemical Action Plans	Reproductive effects
CHRON AQUATIC	US EPA - PPT Chemical Action Plans	Highly toxic to aquatic organisms
DEVELOPMENTAL	US EPA - PPT Chemical Action Plans	Developmental Effects
ENDOCRINE	EU - SVHC Authorisation List	Equivalent Concern - Prioritized for Listing

**SUBSTANCE NOTES:** Substance bound in matrix of finished product. GreenScreen® Assessment for Nonylphenol ethoxylates (NPE) reports that NPE was assigned an initial Benchmark Score of 2, but was downgraded to a benchmark 1TP based on the degradation product nonylphenol (LT-1).

### 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.*

### 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**

**& Rodda Paint Co.**

TITLE: **Business Development Manager**

ADDRESS: **6107 N Marine Drive**

PHONE: **206.396.7074**

**Portland OR 97203, USA**

EMAIL: **jmcintyre@roddapaint.com**

WEBSITE: **www.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

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

## GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> 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

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*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.*