

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. Zero-VOC means that no organic solvents have been added, and only trace amounts of VOC may be present from residual ingredients; to maintain these levels, Zero-VOC colorants are recommended. 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 Latex Satin Wall Paint in White. Product Code: 523501.

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

HORIZON SATIN WHITE [WATER BM-4 TITANIUM DIOXIDE LT-1 | CAN | END LIMESTONE; CALCIUM CARBONATE LT-UNK ACRYLIC POLYMER LT-UNK KAOLIN CLAY LT-UNK | CAN UNDISCLOSED LT-UNK STYRENE/ACRYLIC COPOLYMER LT-UNK ALUMINUM OXIDE LT-P1 | RES POLY(OXY-1,2-ETHANEDIYL), ALPHA-(NONYLPHENYL)-OMEGA-HYDROXY-, BRANCHED, PHOSPHATES, SODIUM SALTS NoGS SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES LT-1 | CAN | MUL SODIUM CARBONATE LT-P1 | EYE HEXANEDIOIC ACID, DIHYDRAZIDE NoGS POLYOXYETHYLENE BRANCHED C9 ALKYLPHENOL ETHER BM-1tp | PBT | END | MUL | REP | AQU | DEL ETHYLHYDROXYETHYLCELLULOSE LT-UNK POLYCARBOXYLATE, AMMONIUM SALT LT-UNK DEFOAMING AGENT LT-UNK POLYURETHANE RESIN UNK DIPROPYLENE GLYCOL LT-UNK]

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): 0.0 Regulatory (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: Building Product VOC Emission Factors

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

HORIZON SATIN WHITE

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/or 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:

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

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: 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 CARBONATEID: **1317-65-3**

#: 10.0000 - 15.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Extender
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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.

ACRYLIC POLYMERID: **Undisclosed**

#: 10.0000 - 15.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder
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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.

KAOLIN CLAYID: **1332-58-7**

#: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Extender
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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: Identified on the US EPA Safer Chemicals Ingredient List.

UNDISCLOSED

#: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Coalescing Aid
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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.

STYRENE/ACRYLIC COPOLYMERID: **Undisclosed**

#: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Increased Opacity, Scrub Resistance
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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.

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 finished product.

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:

SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES

ID: 64742-65-0

#: **0.1000 - 0.5000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Defoaming 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. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method'. We are working with our supplier to determine if this exception applies to this substance.

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
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

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

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:

POLYOXYETHYLENE BRANCHED C9 ALKYLPHENOL ETHER

ID: 68412-54-4

#: **0.1000 - 0.2000** 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® for Safer Chemicals - Assessment for Nonylphenol ethoxylates, linear and branched, 1-20 moles EO states: "NPE was assigned an initial Benchmark Score of 2 based on criteria 2c (high persistence and moderate or higher ecotoxicity or group I, II or II* human), criteria 2e (moderate hazard for a Group I human health endpoint) and criteria 2f (very high hazard for any Group II human health or aquatic toxicity, or high Group II* human). This chemical passes the Data Gap analysis for benchmark 2. It was downgraded to a benchmark 1TP based on the degradation product nonylphenol, which earned an LT-1 score because it is a known PBT. Note a full GreenScreen assessment was not performed on nonylphenol, which may change the actual benchmark score."

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:

POLYCARBOXYLATE, AMMONIUM SALT

ID: **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.

DEFOAMING AGENT

ID: **Undisclosed**

#: **0.1000 - 0.5000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Defoamer**

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: **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.

DIPROPYLENE GLYCOL

ID: **25265-71-8**

#: **0.0500 - 0.1000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Flow Additive**

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.

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

Building Product VOC Emission Factors

CERTIFYING PARTY: Self-declared	ISSUE DATE: 2016-10-31	EXPIRY DATE:	CERTIFIER OR LAB: Berkeley Analytical
APPLICABLE FACILITIES: Rivergate Manufacturing Facility, Portland, OR			
CERTIFICATE URL:			

CERTIFICATION AND COMPLIANCE NOTES: Report Number: 881-001-03A-Oct3116. Test Method: ASTM D 5116-10 (Small Chamber). 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: **<http://www.roddapaint.com/>**

CONTACT NAME: **Jeff McIntyre**

TITLE: **Business Development Manager**

PHONE: **206.396.7074**

EMAIL: **jmcintyre@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.