Master Painter Ultra Low VOC Semigloss Enamel by Cloverdale Paint Inc. - Cloverdale Paint & Rodda Paint Co.

CLASSIFICATION: 09 91 23.00 Finishes: Interior Painting

PRODUCT DESCRIPTION: Rodda Paint's Master Painter line of professional interior paints are formulated with Ultra Low-VOC resin technologies and have a proven formulation trusted by painting contractors, maintenance painters and homeowners. Master Painter delivers good hide and coverage with minimal application spatter for easier tool clean-up and virtually no odors during application. Master Painter paints are washable for longer term service life and an excellent choice for new and repainting residential and commercial jobs, and also work well for regular higher-end maintenance applications. This HPD covers Master Painter Ultra Low VOC Semigloss Enamel in white. Master Painter Enamel is listed under multiple Master Painter Institute 'MPI Approved' categories. Product Code: 543601

Section 1: Summary

CONTENT INVENTORY

- **Inventory Reporting Format**
- C Nested Materials Method
- Basic Method

Threshold Disclosed Per

- C Material
- Product

Threshold level C 100 ppm C 1,000 ppm

Per GHS SDS
Per OSHA MSDS
Other

Residuals/Impurities

Considered
 Partially
 Considered
 Not Considered

Explanation(s) provided for Residuals/Impurities?

Basic Method / Product Threshold

Are All Substances Above the Threshold Indicated:

Characterized Percent Weight and Role Provided?	⊙ Yes O No
Screened Using Priority Hazard Lists with Results Disclosed?	Yes O No
Identified Name and Identifier Provided?	C Yes C 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

MP ULTRA LOW SEMIGLOSS ENAMEL [WATER BM-4 VINYL ACETATE POLYMER LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END KAOLIN CLAY LT-UNK | CAN LIMESTONE; CALCIUM CARBONATE LT-UNK COPOLYMER LT-UNK SILICA, AMORPHOUS LT-P1 | CAN ALUMINA TRIHYDRATE BM-2 | RES UNDISCLOSED LT-UNK UNDISCLOSED NoGS POLYURETHANE RESIN LT-UNK ETHYLHYDROXYETHYLCELLULOSE LT-UNK BENTONITE LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES LT-1 | CAN | MUL UNDISCLOSED LT-UNK UNDISCLOSED LT-T1 | MUL AMMONIUM HYDROXIDE LT-P1 | SKI | AQU | RES | MUL UNDISCLOSED LT-UNK *QUARTZ* LT-1 | CAN]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <0.5 Re Does the product contain exempt VOCs: No Are ultra-low VOC tints available: Yes

Regulatory (g/l): 0 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.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings. VOC emissions: VOC Emission Test Certificate - 543601

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

C Yes

No

Third Party Verified?

VER

PREPARER: Self-Prepared VERIFIER: VERIFICATION #: SCREENING DATE: 2017-12-21 PUBLISHED DATE: 2018-01-10 EXPIRY DATE: 2020-12-21

Health Product Declaration v2.1

created via: HPDC Online Builder

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

MP ULTRA LOW SEMIGLOSS ENAMEL

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PRODUCT THRESHOLD: 1000 ppm
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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
%: 50.0000 - 55.0000	GS: BM-4	RC: None	NANO: NO	ROLE: Diluent; Flow Aid	
HAZARDS:	AGENCY(IES) WITH V	VARNINGS:			
None Found	No warnings for	und on HPD Priority lists			

SUBSTANCE NOTES:

VINYL ACETATE POLYMER				ID: Undisclosed		
%: 15.0000 - 20.0000	gs: LT-UNK	RC: None	NANO: NO	ROLE: Binder		
HAZARDS:	AGENCY(IES) WITH WARNING	AGENCY(IES) WITH WARNINGS:				
None Found	No warnings found on	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 W	/ARNINGS:		
CANCER	US CDC - Occup	pational Carcinogens	Occupational Carcir	nogen
CANCER	МАК	МАК		3A - Evidence of carcinogenic effects but not sh MAK/BAT value
CANCER	CA EPA - Prop 6	65	Carcinogen - specif	ic 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).

KAOLIN CLAY

%: 5.0000 - 10.0000	gs: LT-UNK	RC: None	NANO: NO	ROLE: Extender
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	МАК		Carcinogen Group 3B - Ev sufficient for classification	idence of carcinogenic effects but not

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

LIMESTONE; CALCIUM CARBONATE

%: 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.

COPOLYMER

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Increased Opacity; Improved Scrub Resistance			
HAZARDS:	AGENCY(IES) WITH WARNINGS:						
None Found	No warnings fou	nd on HPD Prio	ority 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.

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 - Ca	tegory 1A	

ID: 1332-58-7

ID: 1317-65-3

ID: Undisclosed

ALUMINA TRIHYDRATE				ID: 21645-51-2
%: 0.5000 - 1.0000	GS: BM-2	RC: None	NANO: NO	ROLE: Opacifying Agent
HAZARDS:	AGENCY(IES) WITH W	/ARNINGS:		
RESPIRATORY	AOEC - Asthma	gens	Asthmag	gen (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 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.

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.

POLYURETHANE RESIN					ID: Undisclosed
%: 0.1000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: Rheology Modifier	
HAZARDS:	AGENCY(IES) WITH WAF	RNINGS:			
None Found	No warnings found	I on HPD Priority lists			
				closure agreement with third-party ists using the HPD Builder with re	,
ETHYLHYDROXYETHYLCELLUL	.OSE				ID: 9004-58-4
%: 0.1000 - 0.5000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Rheology Modifier	

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HAZARDS:	AGENCY(IES) WITH WARNING	AGENCY(IES) WITH WARNINGS:				
None Found	No warnings found on	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 WARNING	GS:				
HAZARDS: None Found	AGENCY(IES) WITH WARNING					

UNDISCLOSED

%: 0.1000 - 0.5000	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder Component			
HAZARDS:	AGENCY(IES) WITH WARN	AGENCY(IES) WITH WARNINGS:					
None Found	No warnings found o	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: 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: 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.

DISTILLATES

%: 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)	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."

UNDISCLOSED

%: 0.1000 - 0.5000	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.

UNDISCLOSED

%: 0.1000 - 0.5000	GS: LT-P1	RC: None	NANO: NO	ROLE: Dispersant; Emulsifier			
HAZARDS:	AGENCY(IES) WITH WARNINGS:						
MULTIPLE	German FEA - Subst	tances Hazardous to W	/aters C	Class 2 - Hazard to Waters			

SUBSTANCE NOTES: Substance bound in matrix of finished product. Supplier has shared substance name and CASRN under the terms of a nondisclosure 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.

AMMONIUM HYDROXIDE					ID: 1336-21-6
%: 0.0500 - 0.1000	GS: LT-P1	RC: None	NANO: NO	ROLE: pH Adjustment	
HAZARDS:	AGENCY(IES) WITH WA	RNINGS:			

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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: Substance bound in matrix of finished product.

UNDISCLOSED

%: 0.0500 - 0.1000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Foam Control Agent			
HAZARDS:	AGENCY(IES) WITH WARNINGS	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

QUAITE				B. 14000 00		
%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual		
HAZARDS:	AGENCY(IES) WITH	WARNINGS:				
CANCER	US CDC - Occ	upational Carcinogens	Occupat	tional Carcinogen		
CANCER	US NIH - Repo	rt on Carcinogens	Known t setting)	Known to be Human Carcinogen (respirable size - occupational setting)		
CANCER	МАК		Carcino	Carcinogen Group 1 - Substances that cause cancer in man		
CANCER	CA EPA - Prop	65	Carcino	gen - specific to chemical form or exposure route		
CANCER	IARC	IARC		- Agent is carcinogenic to humans - inhaled from ional sources		
CANCER	New Zealand -	New Zealand - GHS		nown or presumed human carcinogens		
CANCER	Australia - GHS	3	H350 - N	May cause cancer		

SUBSTANCE NOTES: Potential impurity of geological materials (e.g. kaolin, limestone). 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.

ID: 14808-60-7

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 - 543601		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: All CERTIFICATE URL:	ISSUE DATE:2016-11- 09	EXPIRY DATE:	CERTIFIER OR LAB: Berkeley Analytical

CERTIFICATION AND COMPLIANCE NOTES: Certificate No: 161109-04. 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.

General 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: jmcintyre@roddapaint.com

KEY

OSH.	Α	MS	DS
GHS	S	DS	

Occupational Safety and Health Administration Material Safety Data Sheet Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

GLO Global warming

MUL Multiple hazards

OZO Ozone depletion

NEU Neurotoxicity

MAM Mammalian/systemic/organ toxicity

PBT Persistent Bioaccumulative Toxic

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation

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 Unspeci ed (insu cient 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 produc

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.

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

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)