

CLASSIFICATION: 09 91 13.00 Finishes: Exterior Painting

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Rodda Paint's Protector Series of professional acrylic exterior paints are designed for residential, multi-family, commercial and production work. Available in three popular exterior finishes, Protector sprays easily with low application odor, maintains good wet-edge and flows to a uniform finish. The acrylic formula provides excellent adhesion and remains flexible, with good UV and efflorescence resistance. Protector provides good color retention and resists mildew growth for better service life between repaints. Protector can be applied by brush, roller or airless spray down to 35°F for early morning starts and extends the painting season. Protector Satin is listed under Master Painter Institute 'MPI Approved' categories. Product Code: 532201

Section 1: Summary **Basic Method / Product Threshold**

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold level</p> <p><input type="radio"/> 100 ppm</p> <p><input checked="" type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Per OSHA MSDS</p> <p><input type="radio"/> Other</p>	<p>Residuals/Impurities</p> <p><input checked="" type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input type="radio"/> Not Considered</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>Are All Substances Above the Threshold Indicated:</i></p> <p>Characterized Percent Weight and Role Provided? <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Screened Using Priority Hazard Lists with Results Disclosed? <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Identified Name and Identifier Provided? <input type="radio"/> Yes <input checked="" type="radio"/> No</p>
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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

PROTECTOR EXTERIOR SATIN WHITE [**WATER** **BM-4** **ACRYLIC POLYMER** **LT-UNK** **TITANIUM DIOXIDE** **LT-1** | CAN | END **1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE** **LT-UNK** | CAN **STYRENE/ACRYLIC COPOLYMER** **LT-UNK** **NEPHELINE SYENITE** **LT-UNK** **SILICA, AMORPHOUS** **LT-P1** | CAN **ALUMINA TRIHYDRATE** **BM-2** | RES **PROPYLENE GLYCOL** **BM-2** | END **CALCIUM CARBONATE** **BM-3** **AMMONIUM HYDROXIDE** **LT-P1** | SKI | AQU | RES | MUL **BENTONITE** **LT-UNK** **SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES** **LT-1** | CAN | MUL **UNDISCLOSED** **LT-UNK** **HYDROXYETHYL CELLULOSE** **LT-P1** | END **TALC** **BM-1** | CAN **UNDISCLOSED** **LT-UNK** **DIPROPYLENE GLYCOL** **LT-UNK**]

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): <90 Regulatory (g/l): <90
 Does the product contain exempt VOCs: No
 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

<p>Third Party Verified?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>PREPARER: Self-Prepared</p> <p>VERIFIER:</p> <p>VERIFICATION #:</p>	<p>SCREENING DATE: 2018-01-04</p> <p>PUBLISHED DATE: 2018-01-04</p> <p>EXPIRY DATE: 2021-01-04</p>
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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

PROTECTOR EXTERIOR 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 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:

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

#: 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
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ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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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>).

1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE

ID: 25265-77-4

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Coalescing Agent
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
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SUBSTANCE NOTES: Substance bound in matrix of finished product.

STYRENE/ACRYLIC COPOLYMER

ID: Undisclosed

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Increased Opacity; Improved Scrub Resistance
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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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.

NEPHELINE SYENITE

ID: 37244-96-5

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Extender
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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None Found	No warnings found on HPD Priority lists
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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
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
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CANCER	Japan - GHS	Carcinogenicity - Category 1A
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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 Asthmagen (ARs) - sensitizer-induced - inhalable forms only

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

PROPYLENE GLYCOL

ID: 57-55-6

#: **0.5000 - 1.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Flow Additive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
ENDOCRINE	TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

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

CALCIUM CARBONATE

ID: 471-34-1

#: **0.5000 - 2.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Opacifying 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.

AMMONIUM HYDROXIDE

ID: 1336-21-6

#: **0.1000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **pH Adjustment**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
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: Synonyms: Ammonia solution; Household ammonia.

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."

UNDISCLOSED

%: **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: 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.

HYDROXYETHYL CELLULOSE

ID: 9004-62-0

#: 0.1000 - 0.5000

GS: LT-P1

RC: None

NANO: No

ROLE: Rheology Modifier

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

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

TALC

ID: 14807-96-6

#: 0.1000 - 0.5000

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).

UNDISCLOSED

#: 0.0500 - 0.1000

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

#: 0.0100 - 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.

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

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)

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)

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.