

**CLASSIFICATION:** NA

**PRODUCT DESCRIPTION:** Fluropon Pure Extrusion Coating System. HPD represents the coating system as applied after curing/baking including 732X1023FP primer and Fluropon Pure topcoat. This HPD represents all possible topcoat colors. Pigments may or may not be present in any one given color.

## 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

*All Substances Above the Threshold Indicated Are:*

**Characterized**  Yes Ex/SC  Yes  No  
*% weight and role provided for all substances.*

**Screened**  Yes Ex/SC  Yes  No

*One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.*

**Identified**  Yes Ex/SC  Yes  No

*One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.*

### 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**

**EXTRUSION FP COATING AS APPLIED [ POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER) LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END ACRYLIC RESIN NoGS 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE LT-P1 | END BARIUM SULFATE BM-2 | CAN ACRYLIC-MELAMINE RESIN NoGS 1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE LT-UNK | CAN TRIPHOSPHORIC ACID, ALUMINUM SALT LT-UNK STRONTIUM CARBONATE LT-UNK SILICA, AMORPHOUS LT-P1 | CAN ALUMINIUM HYDROXIDE OXIDE LT-UNK WOLLASTONITE LT-UNK ZINC 5-NITROISOPHTHALATE LT-UNK ALUMINA TRIHYDRATE BM-2 | RES CELLULOSE ACETATE BUTANOATE, AVERAGE MOLECULAR WEIGHT 15000 - 65000 G/MOL LT-UNK FUMED SILICA, CRYSTALLINE-FREE LT-P1 | CAN POLYMERIC POLYESTER Not Screened IRON HYDROXIDE OXIDE YELLOW LT-UNK POLYAMINE POLYESTER POLYMER Not Screened POLYMERIC DISPERSANT Not Screened PHTHALOCYANINE DERIVATIVE Not Screened POLYESTER Not Screened SILICA GEL LT-UNK VISCOSITY CONTROL ADDITIVE Not Screened BISMUTH VANADIUM TETRAOXIDE LT-P1 | MUL C.I. PIGMENT BLUE 15 BM-3 PYRROLO[3,4-C]PYRROLE-1,4-DIONE,3,6-BIS(4-CHLOROPHENYL)-2,5-DIHYDRO- LT-UNK C.I. PIGMENT GREEN 50 LT-1 | RES | CAN | GEN RUTILE, ANTIMONY CHROMIUM BUFF LT-UNK C.I. PIGMENT BLACK 28 LT-UNK C.I. PIGMENT BLUE 36 LT-1 | RES | CAN | GEN HEMATITE, CHROMIUM GREEN BLACK LT-UNK MOLYBDATE (MOO42#-), CALCIUM (1:1), (T-4)- LT-UNK NICKEL RUTILE YELLOW LT-1 | RES | CAN 2-(2-BUTOXYETHOXY)ETHANOL LT-P1 | EYE | END 5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE LT-UNK CHROMIUM IRON OXIDE LT-P1 | SKI CHROMIUM (III) OXIDE LT-P1 | SKI FERRIC OXIDE BM-2 | CAN PHTHALOCYANINE GREEN LT-UNK CARBON BLACK LT-1 | CAN C.I.**

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:

disclosed down to 100ppm of the final coating system as applied.

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

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

VOC emissions: NA

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2019-04-26**

PUBLISHED DATE: **2019-11-06**

EXPIRY DATE: **2022-04-26**



## 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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### EXTRUSION FP COATING AS APPLIED

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This inventory includes all known residuals and impurities.

OTHER PRODUCT NOTES: Fluropon Pure Extrusion Coating System. HPD represents the coating system as applied after curing/baking including 732X1023FP primer and Fluropon Pure topcoat. This HPD represents all possible topcoat colors. Pigments may or may not be present in any one given color. • The total coating system weight as applied on the metal substrate is 0.017lbs/ft2.

### POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER)

ID: 24937-79-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-26

#: 29.67 - 36.27

GS: LT-UNK

RC: None

NANO: No

ROLE: Polymer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: NA

### TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-04-26

#: 11.92 - 17.63

GS: LT-1

RC: None

NANO: No

ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	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
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: From IARC Monograph 93 (<http://monographs.iarc.fr/ENG/Monographs/vol93/mono93.pdf>), p. 274:

“No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints.”

The Office of Environmental Health Hazard Assessment (OEHHA) within the California Environmental Protection Agency is adding titanium dioxide (airborne, unbound particles of respirable size) to the list of chemicals known to the State of California to cause cancer for purposes of the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). However, the listing does not cover titanium dioxide when it remains bound within a product matrix. In this product's final cured film exposure is extremely unlikely since it is embedded in a solid, continuous polymer matrix and thus no longer exists as isolated particles. (<http://oehha.ca.gov/proposition-65/crrn/chemical-listed-effective-september-2-2011-known-state-california-cause-cancer>)

## ACRYLIC RESIN

ID: 1946811-39-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **10.78 - 13.18**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Resin**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **NA**

## 2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE

ID: 6846-50-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **9.09 - 11.11**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Plasticizer**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: **NA**

## BARIUM SULFATE

ID: 7727-43-7

%: **6.41 - 7.84**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**CANCER****MAK****Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**SUBSTANCE NOTES: **NA****ACRYLIC-MELAMINE RESIN**ID: **1947341-00-5**%: **6.05 - 7.39**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Resin**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **NA****1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE**ID: **25265-77-4**%: **5.66 - 6.92**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Solvent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**CANCER****MAK****Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value**

SUBSTANCE NOTES:

**TRIPHOSPHORIC ACID, ALUMINUM SALT**ID: **13939-25-8**%: **1.06 - 1.30**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **NA****STRONTIUM CARBONATE**ID: **1633-05-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.85 - 1.04**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES: **NA**

### SILICA, AMORPHOUS

ID: **7631-86-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.79 - 0.98**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**CANCER**

**Japan - GHS**

**Carcinogenicity - Category 1A**

**CANCER**

**Australia - GHS**

**H350i - May cause cancer by inhalation**

SUBSTANCE NOTES:

### ALUMINIUM HYDROXIDE OXIDE

ID: **24623-77-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.70 - 0.85**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

### WOLLASTONITE

ID: **13983-17-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.64 - 0.78**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

### ZINC 5-NITROISOPHTHALATE

ID: **60580-61-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.64 - 0.78**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**ALUMINA TRIHYDRATE**

ID: **21645-51-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.62 - 0.98**

GS: **BM-2**

RC: **None**

NANO: **No**

ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: **NA**

**CELLULOSE ACETATE BUTANOATE, AVERAGE MOLECULAR WEIGHT 15000 - 65000 G/MOL**

ID: **9004-36-8**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.29 - 0.35**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Resin**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**FUMED SILICA, CRYSTALLINE-FREE**

ID: **112945-52-5**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.18 - 0.22**

GS: **LT-P1**

RC: **None**

NANO: **No**

ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350i - May cause cancer by inhalation

SUBSTANCE NOTES: **NA**

**POLYMERIC POLYESTER**

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.14 - 0.17**

GS: **Not Screened**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **Unknown to Sherwin-Williams High-Performance Metal Coatings. The supplier has confirmed this substance is Living Building Challenge Red List Free.**

**IRON HYDROXIDE OXIDE YELLOW**

ID: **20344-49-4**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.12 - 15.31**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found**

**No warnings found on HPD Priority Hazard Lists**

SUBSTANCE NOTES:

**POLYAMINE POLYESTER POLYMER**

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.09 - 0.11**

GS: **Not Screened**

RC: **None**

NANO: **No**

ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **Unknown to Sherwin-Williams High-Performance Metal Coatings. The supplier has confirmed this substance is Living Building Challenge Red List Free.**

**POLYMERIC DISPERSANT**

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.09 - 0.10**

GS: **Not Screened**

RC: **None**

NANO: **No**

ROLE: **Dispersant**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **Unknown to Sherwin-Williams High-Performance Metal Coatings. The supplier has confirmed this substance is Living Building Challenge Red List Free.**

**PHTHALOCYANINE DERIVATIVE**

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.06 - 0.07**

GS: **Not Screened**

RC: **None**

NANO: **No**

ROLE: **Stabilizer**



HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: Unknown to Sherwin-Williams High-Performance Metal Coatings. The supplier has confirmed this substance is Living Building Challenge Red List Free.

**POLYESTER**ID: **Unknown**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.05 - 0.06**GS: **Not Screened**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: Unknown to Sherwin-Williams High-Performance Metal Coatings. The supplier has confirmed this substance is Living Building Challenge Red List Free.

**SILICA GEL**ID: **112926-00-8**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.05 - 0.06**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Extender**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **NA****VISCOSITY CONTROL ADDITIVE**ID: **Unknown**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.03 - 0.04**GS: **Not Screened**RC: **None**NANO: **No**ROLE: **Viscosity Control Agent**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: Unknown to Sherwin-Williams High-Performance Metal Coatings. The supplier has confirmed this substance in Living Building Challenge Red List Free.

**BISMUTH VANADIUM TETRAOXIDE**ID: **14059-33-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.00 - 15.42**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### C.I. PIGMENT BLUE 15

ID: 147-14-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 2.28** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### PYRROLO[3,4-C]PYRROLE-1,4-DIONE,3,6-BIS(4-CHLOROPHENYL)-2,5-DIHYDRO-

ID: 84632-65-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 6.05** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### C.I. PIGMENT GREEN 50

ID: 68186-85-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 18.69** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

CI Pigment Green 50 (aka Cobalt titanite green spinel) is produced by high temperature calcination of a mixture of oxides of Co and Ti in varying amounts to form a crystalline matrix of inverse spinel. Due to its unique crystalline structure the properties of this pigment do not necessarily reflect the properties of the component metals or oxides. Further, the pigment is of negligible water solubility and bioavailability (under no foreseeable conditions are metal ions able to be released from the crystalline structure). And finally, in the final cured film exposure is extremely unlikely since it is embedded in a solid, continuous polymer matrix and thus no longer exists as isolated particles.

### RUTILE, ANTIMONY CHROMIUM BUFF

ID: 68186-90-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 16.02**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### C.I. PIGMENT BLACK 28

ID: 68186-91-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 18.55**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### C.I. PIGMENT BLUE 36

ID: 68187-11-1

#: **0.00 - 16.18** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### HEMATITE, CHROMIUM GREEN BLACK

ID: **68909-79-5**

#: **0.00 - 21.21** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### MOLYBDATE (MOO42#-), CALCIUM (1:1), (T-4)-

ID: **7789-82-4**

#: **0.00 - 0.32** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

### NICKEL RUTILE YELLOW

ID: **8007-18-9**

#: **0.00 - 20.58** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

## 2-(2-BUTOXYETHOXY)ETHANOL

ID: 112-34-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 1.00** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Solvent**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: This solvent will likely flash off during the baking/curing process, however, some may remain.

## 5,12-DIHYDROQUINO(2,3-B)ACRIDINE-7,14-DIONE

ID: 1047-16-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 6.62** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

## CHROMIUM IRON OXIDE

ID: 12737-27-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 22.59** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

**CHROMIUM (III) OXIDE**

ID: 1308-38-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.00 - 19.22**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**SKIN SENSITIZE****MAK****Sensitizing Substance Sh - Danger of skin sensitization**SUBSTANCE NOTES: **Optional pigment. Only present in certain color options.****FERRIC OXIDE**

ID: 1309-37-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.00 - 17.46**GS: **BM-2**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**CANCER****MAK****Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**SUBSTANCE NOTES: **Optional pigment. Only present in certain color options.****PHTHALOCYANINE GREEN**

ID: 1328-53-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.00 - 4.30**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

**None found****No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Optional pigment. Only present in certain color options.****CARBON BLACK**

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-04-26**%: **0.00 - 6.56**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
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

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

From IARC Monograph 93 (<http://monographs.iarc.fr/ENG/Monographs/vol93/mono93.pdf>), p. 63:

“Operators in user industries who handle fluffy or pelleted carbon black during rubber, paint and ink production are expected to have significantly lower exposures to carbon black than workers in carbon black production. Other workers in user industries who handle it occasionally have little opportunity for exposure. End-users of these products (rubber, ink or paint) are unlikely to be exposed to airborne carbon black particles, which are bound within the product matrix”

## C.I. PIGMENT BLUE 28

ID: 1345-16-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2019-04-26**

#: **0.00 - 16.96**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
GENE MUTATION	MAK	Germ Cell Mutagen 3a

SUBSTANCE NOTES: Optional pigment. Only present in certain color options.

## 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

NA

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2011-**

EXPIRY DATE:

CERTIFIER OR LAB: **NA**

APPLICABLE FACILITIES: **NA**

**06-20**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **HPD is for final as applied coating system after baking and curing.**

## 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

This product sold as a wet formulation and is factory applied by the building product manufacturer. This HPD represents the solid coating system after curing/baking that will be present on the final product as sold to a building project. The information presented here is current as of today's date. We rely on our raw material suppliers for information on the composition of our products and cannot assume liability for any inaccuracies in the data provided to us.





## MANUFACTURER INFORMATION

MANUFACTURER: **Sherwin-Williams**

ADDRESS: **101 W Prospect Ave**

**Cleveland OH 44115, USA**

WEBSITE:

<https://www.valsparcoilextrusion.com/en/index.html>

CONTACT NAME: **April Morris**

TITLE: **Sustainability Specialist**

PHONE: **800-474-3794**

EMAIL: **sustainability@sherwin.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)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**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)

### 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.*