

CLASSIFICATION: NA

PRODUCT DESCRIPTION: Fluoropon Pure PVDF Coil coating system. HPD represents the coating system as applied including the primer PMY0500FP, backer PMA0507FP and Fluoropon 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
All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No
All substances disclosed by Name (Specific or Generic) and Identifier.

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 the 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

FLUOROPON PURE - COIL [**IRON** LT-P1 | END **6005 ALUMINUM (ALUMINUM)** BM-1 | RES | PHY | END **ZINC** LT-P1 | AQU | PHY | END | MUL **MANGANESE** LT-P1 | END | MUL | REP **NICKEL** LT-1 | RES | CAN | SKI | MAM | MUL **POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER)** LT-UNK **POLYESTER-MELAMINE RESIN** NoGS **ACRYLIC-MELAMINE RESIN** NoGS **POLYESTER-ACRYLIC-MELAMINE RESIN** NoGS **TITANIUM DIOXIDE** LT-1 | CAN | END **SILICA, AMORPHOUS** BM-1 | CAN **KAOLIN CLAY** LT-UNK | CAN **NICKEL RUTILE YELLOW** LT-1 | RES | CAN **TALC** BM-1 | CAN **ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER** LT-P1 | END **ZINC OXIDE** BM-1 | RES | AQU | END | MUL **TRIZINC BIS(ORTHOPHOSPHATE)** LT-P1 | AQU | MUL **(BENZOTHAZOL-2-YLTHIO)SUCCINIC ACID** LT-P1 | SKI | MUL **2-(2-BUTOXYETHOXY)ETHANOL** LT-P1 | EYE | END **CHROMIUM IRON OXIDE** LT-P1 | SKI **2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE** LT-P1 | END **QUINO 2,3-B ACRIDINE-7,14-DIONE, 2,9-DICHLORO-5,12-DIHYDRO-** LT-UNK **MICA** LT-UNK **CHROMIUM (III) OXIDE** BM-1 | SKI **HEMATITE, CHROMIUM GREEN BLACK** LT-UNK **BISMUTH VANADIUM TETRAOXIDE** BM-1 | MUL **RUTILE TITANIUM DIOXIDE** LT-1 | CAN **C.I. PIGMENT BLUE 36** LT-1 | RES | CAN | GEN **ALUMINA TRIHYDRATE** BM-2 | RES **ALUMINA TRIHYDRATE** BM-2 | RES **IRON HYDROXIDE OXIDE YELLOW** LT-UNK **SILICA GEL** LT-UNK **RUTILE, ANTIMONY CHROMIUM BUFF** BM-1 **FERRIC OXIDE** BM-1 | CAN]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-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: 2020-02-20
PUBLISHED DATE: 2020-02-20
EXPIRY DATE: 2023-02-20



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

FLUROPON PURE - COIL

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals, as reported by our suppliers, are considered in this disclosure.

OTHER PRODUCT NOTES: This formulation represents the coating system as applied after curing and baking. It also includes optional pigments to represent a variety of color options. The total coating system weight as applied on the metal substrate (substrate determined by customer) is 0.0144-0.0163lbs/ft2.

IRON

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-20

%: 85.99 - 90.43

GS: LT-P1

RC: UNK

NANO: Unknown

ROLE: Substrate

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Part of substrate (not supplied by Sherwin-Williams High-Performance Metal Coatings)

6005 ALUMINUM (ALUMINUM)

ID: 7429-90-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-20

%: 3.23 - 3.40

GS: BM-1

RC: UNK

NANO: Unknown

ROLE: Substrate

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H261 - In contact with water releases flammable gases

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: Part of substrate (not supplied by Sherwin-Williams High-Performance Metal Coatings)

ZINC

ID: 7440-66-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

#: 2.15 - 2.26	GS: LT-P1	RC: UNK	NANO: Unknown	ROLE: Substrate
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: **Part of substrate (not supplied by Sherwin-Williams High-Performance Metal Coatings)****MANGANESE**

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

#: 1.90 - 2.00	GS: LT-P1	RC: UNK	NANO: Unknown	ROLE: Substrate
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	GHS - Japan	Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES: **Part of substrate (not supplied by Sherwin-Williams High-Performance Metal Coatings)****NICKEL**

ID: 7440-02-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

#: 0.19 - 0.20	GS: LT-1	RC: UNK	NANO: Unknown	ROLE: Substrate
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: Part of substrate (not supplied by Sherwin-Williams High-Performance Metal Coatings)

POLYVINYLIDENE FLUORIDE (1,1-DIFLUOROETHENE HOMOPOLYMER)

ID: 24937-79-9

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

HAZARD SCREENING DATE: **2020-02-20**

#: **0.10 - 2.00**

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: Part of coil coating after baking and curing.

POLYESTER-MELAMINE RESIN

ID: 1947340-89-7

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

HAZARD SCREENING DATE: **2020-02-20**

#: **0.10 - 1.00**

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: Part of coil coating after baking and curing.

ACRYLIC-MELAMINE RESIN

ID: 1947340-94-4

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

HAZARD SCREENING DATE: **2020-02-20**

?: **0.10 - 1.00**

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: Part of coil coating after baking and curing.

POLYESTER-ACRYLIC-MELAMINE RESIN

ID: 1947340-90-0

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

HAZARD SCREENING DATE: **2020-02-20**

?: **0.10 - 1.00**

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: Part of coil coating after baking and curing.

TITANIUM DIOXIDE

ID: 13463-67-7

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

HAZARD SCREENING DATE: **2020-02-20**

?: **0.01 - 2.00**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

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

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>)

SILICA, AMORPHOUS

ID: 7631-86-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
%: 0.01 - 0.50	GS: BM-1	RC: None	NANO: No	ROLE: Extender
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]		
CANCER	GHS - Australia	H350i - May cause cancer by inhalation		
SUBSTANCE NOTES: Part of coil coating after baking and curing.				

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
%: 0.01 - 0.50	GS: LT-UNK	RC: None	NANO: No	ROLE: Extender
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		
SUBSTANCE NOTES: Part of coil coating after baking and curing.				

NICKEL RUTILE YELLOW

ID: 8007-18-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
%: 0.01 - 0.50	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: Part of coil coating after baking and curing.

TALC

ID: 14807-96-6

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

HAZARD SCREENING DATE: **2020-02-20**

#: **0.01 - 0.50** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Extender**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Part of coil coating after baking and curing.

ACRYLONITRILE -METHYL-METHACRYLATE -VINYLIDENE CHLORIDE COPOLYMER

ID: 25036-25-3

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

HAZARD SCREENING DATE: **2020-02-20**

#: **0.01 - 0.25** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Resin**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity

SUBSTANCE NOTES: Part of coil coating after baking and curing.

ZINC OXIDE

ID: 1314-13-2

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

HAZARD SCREENING DATE: **2020-02-20**

#: **0.01 - 0.25** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Part of coil coating after baking and curing.

TRIZINC BIS(ORTHOPHOSPHATE)

ID: 7779-90-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**%: **0.01 - 0.25**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Extender Pigment**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **Part of coil coating after baking and curing.****(BENZOTHAZOL-2-YLTHIO)SUCCINIC ACID**

ID: 95154-01-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**%: **0.01 - 0.25**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: **Part of coil coating after baking and curing.****2-(2-BUTOXYETHOXY)ETHANOL**

ID: 112-34-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**%: **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: **Part of coil coating after baking and curing.**

The majority of this solvent is expected to flash off during the baking process, however, some may remain.

CHROMIUM IRON OXIDE

ID: 12737-27-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

#: **0.00 - 0.50** 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. Part of coil coating after baking and curing.

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

ID: **6846-50-0**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-02-20**

#: **0.00 - 0.50** 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: Optional pigment. Only present in certain color options. Part of coil coating after baking and curing.

QUINO 2,3-B ACRIDINE-7,14-DIONE, 2,9-DICHLORO-5,12-DIHYDRO-

ID: **3089-17-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-02-20**

#: **0.00 - 0.50** 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. Part of coil coating after baking and curing.

MICA

ID: **12001-26-2**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-02-20**

#: **0.00 - 0.50** 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: Optional pigment. Only present in certain color options. Part of coil coating after baking and curing.

CHROMIUM (III) OXIDE

ID: **1308-38-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-02-20**

#: **0.00 - 0.50** GS: **BM-1** 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. Part of coil coating after baking and curing.

HEMATITE, CHROMIUM GREEN BLACK

ID: 68909-79-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
%: 0.00 - 0.50	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. Part of coil coating after baking and curing.

BISMUTH VANADIUM TETRAOXIDE

ID: 14059-33-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
%: 0.00 - 0.50	GS: BM-1	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. Part of coil coating after baking and curing.

RUTILE TITANIUM DIOXIDE

ID: 1317-80-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
%: 0.00 - 0.50	GS: LT-1	RC: None	NANO: No	ROLE: Pigment

HAZARD TYPE	AGENCY AND LIST TITLES	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

SUBSTANCE NOTES: Optional pigment. Only present in certain color options. Part of coil coating after baking and curing.

C.I. PIGMENT BLUE 36

ID: 68187-11-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

%: 0.00 - 0.50	GS: LT-1	RC: None	NANO: No	ROLE: Pigment
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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. Part of coil coating after baking and curing.

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

%: 0.00 - 0.50	GS: BM-2	RC: None	NANO: No	ROLE: Extender
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HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Optional pigment. Only present in certain color options. Part of coil coating after baking and curing.

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

%: 0.00 - 0.50	GS: BM-2	RC: None	NANO: No	ROLE: Extender
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HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Optional pigment. Only present in certain color options. Part of coil coating after baking and curing.

IRON HYDROXIDE OXIDE YELLOW

ID: 20344-49-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-02-20**

%: 0.00 - 0.25	GS: LT-UNK	RC: None	NANO: No	ROLE: Pigment
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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. Part of coil coating after baking and curing.

SILICA GEL

ID: 63231-67-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
#: 0.00 - 0.25	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: Optional pigment. Only present in certain color options. Part of coil coating after baking and curing.

RUTILE, ANTIMONY CHROMIUM BUFF

ID: 68186-90-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
#: 0.00 - 0.25	GS: BM-1	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. Part of coil coating after baking and curing.

FERRIC OXIDE

ID: 1309-37-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2020-02-20		
#: 0.00 - 0.25	GS: BM-1	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. Part of coil coating after baking and curing.

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: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **NA**

APPLICABLE FACILITIES: **NA**

02-20

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 is 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 the publish 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 West Prospect Avenue
Cleveland Ohio 44115, United States**

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 Likely 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.