

HPD UNIQUE IDENTIFIER: 41106718720

CLASSIFICATION: 09 91 23 Interior Painting

PRODUCT TYPE: Interior Primer, General (Paints and Coatings)

PRODUCT DESCRIPTION: Dulux Lifemaster 59311A is a premium quality water-based 100% acrylic eggshell finish formulated with EZ Clean Technology for the ultimate in stain resistance. This very washable coating is ideal for use in living rooms, dining rooms, bedrooms, bathrooms, kitchens, doors, trim work and other areas where an eggshell finish is desired. The cured coating will keep that “just painted” look for many years. Dulux Lifemaster is virtually odourless during and after application making it ideal for light commercial and institutional applications such as schools, hospitals, nursing homes, etc.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
<input type="radio"/> Nested Materials Method <input checked="" type="radio"/> Basic Method	<input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other	<input checked="" type="radio"/> Completed <input type="radio"/> Partially Completed <input type="radio"/> Not Completed Explanation(s) provided : <input checked="" type="radio"/> Yes <input type="radio"/> No	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided weight and role.</i> Screened <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided screening results using HPDC-approved methods.</i> Identified <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Provided name and CAS RN or other identifier.</i>
Threshold Disclosed Per			
<input type="radio"/> Material <input checked="" type="radio"/> Product			

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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

DULUX® LIFEMASTER® INTERIOR LATEX EGG SHELL WHITE 59311A [**WATER** **BM-4** **2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH BUTYL 2-PROPENOATE, ETHENYLBENZENE, 2-HYDROXYETHYL 2-METHYL-2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE** **LT-UNK** **TITANIUM DIOXIDE** **BM-1** | CAN | END | MAM **NEPHELINE SYENITE** **LT-UNK** **HEXANOIC ACID, 2-ETHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER** **LT-UNK** **POLY(OXY-1,2-ETHANEDIYL), α-HYDRO-ω-HYDROXY-** **LT-UNK** **FULLER'S EARTH** **NoGS** **CETYLHYDROXYETHYLCELLULOSE** **LT-UNK** **AMORPHOUS SILICA** **BM-1** | CAN | MAM **ALUMINUM HYDROXIDE** **BM-2** | SKI | EYE **1,3-PROPANEDIOL, 2-ETHYL-2-(HYDROXYMETHYL)-** **BM-2** **2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHENYL ACETATE AND METHYL 2-METHYL-2-PROPENOATE** **LT-UNK** **AMMONIUM HYDROXIDE, NOS** **LT-P1** | MUL | SKI | AQU | MAM | EYE | PHY **BENZENESULFONIC ACID, DODECYL-, COMPD. WITH N,N-DIETHYLETHANAMINE (1:1)** **LT-UNK** | SKI | EYE **DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC** **LT-1** | CAN | MUL | SKI | DEV **POLY(OXY-1,2-ETHANEDIYL, A-(2-PROPYLHEPTYL)-W-HYDROXY-** **LT-UNK** **POLY(OXY-1,2-ETHANEDIYL), α-[TRIS(1-PHENYLETHYL) PHENYL]-ω-HYDROXY-** **LT-UNK** **POLY(OXY-1,2-ETHANEDIYL), α-ISODECYL-ω-HYDROXY-** **LT-UNK** | SKI | EYE **POLYTETRAFLUOROETHYLENE** **BM-1**]

Number of Greenscreen BM-4/BM3 contents ... 1
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1, LT-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Substances representing 99.68% of the product weight meet the 1000ppm threshold and are screened.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0 Regulatory (g/l): 0
 Does the product contain exempt VOCs: No

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Certified
 VOC emissions: UL/GreenGuard Gold Certified

Are colorants available that do not increase the VOC content of the base paint when tinted: Yes

VOC content: SCAQMD Rule 1113 Architectural Coatings - Flats, floor coatings, non flat coatings, quick dry enamels, roof coatings only - 2007 amendments

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2024-05-14
PUBLISHED DATE: 2024-05-14
EXPIRY DATE: 2027-05-14

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

DULUX® LIFEMASTER® INTERIOR LATEX EGGSHELL WHITE 59311A

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residual and impurities were considered based on direct testing via appropriate method such as HPLC for PPG manufactured raw materials or by supplier disclosure letters for purchased raw materials which were typically supplied referencing a 1000ppm threshold. No residuals or impurities are expected to be present at or above the Content Inventory Threshold that return a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS.

OTHER PRODUCT NOTES: None

WATER

ID: 7732-18-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2024-05-14 10:05:22

%: 45.0000 - 55.0000

GreenScreen: **BM-4**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Solvent**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS

LIST NAME AND SOURCE

NOTIFICATION

EXEMPT

European Union / European Commission (EU EC)

EU - REACH Exemptions

Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH BUTYL 2-PROPENOATE, ETHENYLBENZENE, 2-HYDROXYETHYL 2-METHYL-2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE

ID: 36179-96-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2024-05-14 10:05:23

%: 16.0000 - 20.0000

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Binder**

HAZARD TYPE

LIST NAME AND SOURCE

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability. Identification of this substance is not being disclosed due to raw material supplier holding chemical substance as proprietary. For the purpose of this screening, PPG relies on extensive internal, external, and raw material supplier resources to assign CAS numbers that represent the chemical family and associated hazards.

TITANIUM DIOXIDEID: **13463-67-7**HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2024-05-14 10:05:23**%: **16.0000 - 20.0000**GreenScreen: **BM-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)

SUBSTANCE NOTES: Range listed represents standard manufacturing variability. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

NEPHELINE SYENITE

ID: 37244-96-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2024-05-14 10:05:24

%: **13.0000 - 16.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

HEXANOIC ACID, 2-ETHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER

ID: 94-28-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: 2024-05-14 10:05:24

%: **1.0000 - 2.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coalescent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

POLY(OXY-1,2-ETHANEDIYL), α -HYDRO- ω -HYDROXY-

ID: 25322-68-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:23**

%: **0.6000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Surfactant**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

FULLER'S EARTH

ID: 8031-18-3

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:23**

%: **0.3000 - 0.6000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

CETYLHYDROXYETHYLCELLULOSE

ID: 80455-45-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:24**

%: **0.3000 - 0.6000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

AMORPHOUS SILICA

ID: 7631-86-9

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:24**

#: **0.3000 - 0.6000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

ALUMINUM HYDROXIDE

ID: 21645-51-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:24**

#: **0.3000 - 0.6000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

1,3-PROPANEDIOL, 2-ETHYL-2-(HYDROXYMETHYL)-

ID: 77-99-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-14 10:05:25		
%: 0.0000 - 0.3000	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents		

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

2-PROPENOIC ACID, 2-METHYL-, POLYMER WITH ETHENYL ACETATE AND METHYL 2-METHYL-2-PROPENOATE

ID: 28430-58-2

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-05-14 10:05:25		
%: 0.0000 - 0.3000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

AMMONIUM HYDROXIDE, NOS

ID: 1336-21-6

%: **0.0000 - 0.3000**GreenScreen: **LT-P1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Buffer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
MAM	GHS - Australia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
PHY	GHS - Korea	H220 - Extremely flammable gas [Flammable gases - Category 1]
AQU	GHS - Australia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	GHS - Korea	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

BENZENESULFONIC ACID, DODECYL-, COMPD. WITH N,N-DIETHYLETHANAMINE (1:1)ID: **29061-63-0**

%: **0.0000 - 0.3000**GreenScreen: **LT-UNK**RC: **None**NANO: **No**SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINICID: **64742-65-0**%: **0.0000 - 0.3000**GreenScreen: **LT-1**RC: **None**NANO: **No**SUBSTANCE ROLE: **Defoamer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CAN	GHS - Australia	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H350 - May cause cancer [Carcinogenicity - Category 1A or 1B]
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
DEV	GHS - Australia	H361d - Suspected of damaging the unborn child [Reproductive toxicity - Category 2]
CAN	EU - REACH Annex XVII CMRs	Carcinogens: Category 1B
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products

SUBSTANCE NOTES: Range listed represents standard manufacturing variability. Identification of this substance is not being disclosed due to raw material supplier holding chemical substance as proprietary. For the purpose of this screening, PPG relies on extensive internal, external, and raw material supplier resources to assign CAS numbers that represent the chemical family and associated hazards.

POLY(OXY-1,2-ETHANEDIYL, A-(2-PROPYLHEPTYL)-W-HYDROXY-

ID: 160875-66-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:25**

%: **0.0000 - 0.3000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Surfactant**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

POLY(OXY-1,2-ETHANEDIYL, α -[TRIS(1-PHENYLETHYL)PHENYL]- ω -HYDROXY-

ID: 99734-09-5

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:25**

%: **0.0000 - 0.3000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Surfactant**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

POLY(OXY-1,2-ETHANEDIYL, α -ISODECYL- ω -HYDROXY-

ID: 61827-42-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:26**

%: **0.0000 - 0.3000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.

POLYTETRAFLUOROETHYLENE

ID: 9002-84-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-05-14 10:05:26**

%: **0.0000 - 0.3000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Dispersant**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List PFAS
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective April 1, 2024 Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES: Range listed represents standard manufacturing variability. Identification of this substance is not being disclosed due to raw material supplier holding chemical substance as proprietary. For the purpose of this screening, PPG relies on extensive internal, external, and raw material supplier resources to assign CAS numbers that represent the chemical family and associated hazards.

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	UL/GreenGuard Certified	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-01-13 00:00:00	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: All	EXPIRY DATE: 2025-02-07 00:00:00	
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5e1c941a55b0e844183d776c?page_type=Products%20Catalog		
CERTIFICATION AND COMPLIANCE NOTES: Certificate #159248-410		

VOC EMISSIONS	UL/GreenGuard Gold Certified	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-01-13 00:00:00	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: All	EXPIRY DATE: 2025-02-05 00:00:00	
CERTIFICATE URL: https://spot.ul.com/main-app/products/detail/5e1c941a55b0e844183d776c?page_type=Products%20Catalog		
CERTIFICATION AND COMPLIANCE NOTES: Certificate #159248-420		

VOC CONTENT	SCAQMD Rule 1113 Architectural Coatings - Flats, floor coatings, non flat coatings, quick dry enamels, roof coatings only - 2007 amendments	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2024-05-14 00:00:00	CERTIFIER OR LAB: None
APPLICABLE FACILITIES: All	EXPIRY DATE: 2024-05-15 00:00:00	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: VOC content is a calculated value based on EPA Method 24.		

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.

PPG FORMULA PRO COLORANTS
MANUFACTURER (OR GENERIC): PPG Industries, Inc.
HPD URL: No HPD available
ACCESSORY TYPE: Colorant System
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: PPG Formula Pro Colorants (96-xxxXI, 96-xxx, 96-xxxx, 96-xxxxx), even if used at maximum tint load in any color, contribute less than 8 g/L of VOC to the final tinted product. Twelve colorants have received GreenGuard and GreenGuard Gold certifications. These may be viewed at https://spot.ul.com/main-app/products/catalog/?keywords=ppg+formula+pro . Note: While this is the recommended colorant system accessory, some retailers may use other colorant systems for which PPG has no VOC information.

Section 5: General Notes

Some of the information contained in this Health Product Declaration form has been provided by the Health Product Declaration tool(s) and may not be the same as the information contained in PPG's Safety Data Sheet ("SDS") for this product. Users of this product should review PPG's SDS before using this product and follow all instructions and directions provided by PPG.

MANUFACTURER INFORMATION

MANUFACTURER: **PPG Architectural Finishes**
 ADDRESS: **1 PPG Place**
Pittsburgh, Pennsylvania 15222
 COUNTRY: **United States**
 LATITUDE: **-80.0039000**
 LONGITUDE: **40.4401000**

WEBSITE: **www.ppg.com**
 CONTACT NAME: **Steve McQuown**
 TITLE: **Senior Product Sustainability Specialist**
 PHONE: **(724) 325-5074**
 EMAIL: **mcquown@ppg.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.