Dulux Lifemaster Acrylic Latex 59286
by PPG Architectural Finishes

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 22651
CLASSIFICATION: 09 91 23 Interior Painting
PRODUCT DESCRIPTION: This assessment of product 59286 Semi-Gloss Ultra Deep Base is limited to the base formulas not including tint. Dulux® Lifemaster is our leading Canadian ‘green’ building standards product and is free of volatile organic compounds (VOCs) before tinting. Please note, colorants added to base paints may increase the VOC significantly depending on color choice. Dulux Lifemaster Matt, Eggshell, Pearl and Semigloss finishes are available in a complete line of tinting bases offering the ability to achieve over 6,000 decorator colours, from the lightest offwhites to the deepest, cleanest shades.

Section 1: Summary

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
- 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

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 |
--- | --- | --- |
DULUX LIFEMASTER ACRYLIC LATEX 59286 | WATER | GREENSCREEN SCORE | HAZARD TYPE |
UNDISCLOSED | LT-UNK | KAOLIN | LT-UNK | CAN | HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL (HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL) | LT-UNK |
UNDISCLOSED | LT-1 | CAN | MUL | UNDISCLOSED | LT-UNK | PEG-10 |
PROPYLHEPTYL ETHER | LT-UNK |
CETYLHYDROXYETHYLCOLLOSE | LT-UNK | LIMESTONE | LT-UNK |
AMMONIUM HYDROXIDE | LT-P1 | RES | AQU | SKI | MUL | ANATASE (TIO2) | LT-1 | CAN |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0 g/L
Regulatory (g/l): 0 g/L

Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: Yes

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

VOC emissions: GreenGuard - Indoor Air Quality Certified
VOC emissions: GreenGuard - Gold (previously Children & Schools)
VOC content: SCAQMD Rule 1113 Architectural Coatings

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2020-10-25
PUBLISHED DATE: 2020-10-25
EXPIRY DATE: 2023-10-25

Dulux Lifemaster Acrylic Latex 59286
hpdrepository.hpd-collaborative.org

HPD v2.2 created via HPDC Builder Page 1 of 8
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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

**DULUX LIFEMASTER ACRYLIC LATEX 59286**

**PRODUCT THRESHOLD:** 1000 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals and Impurities Notes: PPG’s Product Stewardship and Hazard Communication program requires disclosure by its raw material suppliers of all components, both intentional and residual, considered to be hazardous. PPG relies on the measurements of its raw material suppliers and the details of their disclosure in our extensive raw material introduction process. Always refer to the Product Label, Technical Data Sheet (TDS) and Safety Data Sheet (SDS) for all safety and detailed application instructions.

**OTHER PRODUCT NOTES:** Two products are covered by this HPD. They are both acrylic latex waterborne interior paints which function similarly. All information provided in Section 3: Certificates and Compliance applies to each product. The content differences between the products accounts for 10% or less of the total mass of each product.

**WATER**  
**ID:** 7732-18-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-25

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>60.0000 - 70.0000</td>
<td>BM-4</td>
<td>None</td>
<td>No</td>
<td>Solvent</td>
</tr>
</tbody>
</table>

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

**SUBSTANCE NOTES:** Range listed represents standard manufacturing variability.

**UNDISCLOSED**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-25

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.0000 - 25.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

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

**SUBSTANCE NOTES:** Range listed represents standard manufacturing variability. The identification of this chemical substance is not being disclosed because the raw material supplier was unable or unwilling to disclose it. For the purpose of this screening, PPG relied on extensive internal, external, and raw material supplier resources to assign CAS numbers that represent the chemical family and associated hazards.

**KAOLIN**  
**ID:** 1332-58-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-25

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0000 - 4.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**CANCER**  
**MAK**  
Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
**Hexanoic Acid, 2-Ethyl-, Diester with Tetraethylene Glycol**

**ID:** 18268-70-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-25

<table>
<thead>
<tr>
<th>%: 1.0000 - 2.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Coalescent</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found  
**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**Substance Notes:** Range listed represents the variation standard manufacturing variability.

**Undisclosed**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-25

<table>
<thead>
<tr>
<th>%: 0.1000 - 1.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Solvent</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
**WARNINGS**  
CANCER  
EU - GHS (H-Statements)  
H350 - May cause cancer  
CANCER  
EU - REACH Annex XVII CMRs  
Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man  
MULTIPLE  
ChemSec - SIN List  
CMR - Carcinogen, Mutagen &/or Reproductive Toxicant  
CANCER  
EU - Annex VI CMRs  
Carcinogen Category 1B - Presumed Carcinogen based on animal evidence  
CANCER  
GHS - Australia  
H350 - May cause cancer

**Substance Notes:** Range listed represents the 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.

**Undisclosed**

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-25

<table>
<thead>
<tr>
<th>%: 0.1000 - 1.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Surfactant</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found  
**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**Substance Notes:** Range listed represents the 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.

**PEG-10 Propylheptyl Ether**

**ID:** 160875-66-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-10-25

<table>
<thead>
<tr>
<th>%: 0.1000 - 1.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Surfactant</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found  
**WARNINGS**  
No warnings found on HPD Priority Hazard Lists

**Substance Notes:** Range listed represents the 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.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CETYLHYDROXYETHYLCELLULOSE</td>
<td>80455-45-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-25</td>
<td>0.1000 - 1.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Viscosity modifier</td>
<td>None found (no warnings on HPD Priority Hazard Lists)</td>
</tr>
<tr>
<td>LIMESTONE</td>
<td>1317-65-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-25</td>
<td>0.1000 - 1.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td>None found (no warnings on HPD Priority Hazard Lists)</td>
</tr>
<tr>
<td>AMMONIUM HYDROXIDE</td>
<td>1336-21-6</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-25</td>
<td>0.1000 - 1.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Buffer</td>
<td>RESPIRATORY: Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>ANATASE (TIO2)</td>
<td>1317-70-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-25</td>
<td>0.1000 - 1.0000</td>
<td>LT-1</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
<td>None found (no warnings on HPD Priority Hazard Lists)</td>
</tr>
</tbody>
</table>

SUBSTANCE NOTES: Range listed represents standard manufacturing variability.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Range listed represents standard manufacturing variability. Titanium dioxide (TiO2) 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 by a brush or roller. Range listed represents the variation between the 2 products covered under this HPD and as well as standard manufacturing variability.
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**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>GreenGuard - Indoor Air Quality Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFICATING PARTY:</td>
<td>Third Party</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://spot.ul.com/main-app/products/detail/5e1c942455b0e844183d7792?page_type=Products%20Catalog">https://spot.ul.com/main-app/products/detail/5e1c942455b0e844183d7792?page_type=Products%20Catalog</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-01-13</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2021-02-07</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Laboratories</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: No additional notes.

**VOC EMISSIONS**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>GreenGuard - Gold (previously Children &amp; Schools)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFICATING PARTY:</td>
<td>Third Party</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://spot.ul.com/main-app/products/detail/5e1c942455b0e844183d7792?page_type=Products%20Catalog">https://spot.ul.com/main-app/products/detail/5e1c942455b0e844183d7792?page_type=Products%20Catalog</a></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-01-13</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2021-02-07</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>UL Laboratories</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: No additional notes.

**VOC CONTENT**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>SCAQMD Rule 1113 Architectural Coatings</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFICATING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
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<tr>
<td>CERTIFICATE URL:</td>
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<td>ISSUE DATE:</td>
<td>2018-12-21</td>
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<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>none</td>
</tr>
</tbody>
</table>

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 NEXT GENERATION COLORANT SYSTEM**

<table>
<thead>
<tr>
<th>HPD URL:</th>
<th>no HPD available</th>
</tr>
</thead>
</table>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
PPG Next Generation Colorant System is a low VOC line of colorants composed of 12 tints which can be combined to create over 6000 colors. When added to Lifemaster base paints at maximum tint load for any color, the Next Generation tints contribute less than 8 g/L of VOC to the final tinted product.

Section 5: General Notes

Please note PPG has a strong Product Stewardship and Hazard Communication program. While raw material suppliers may choose to keep chemical substances proprietary, PPG requires them to fully disclose hazards. All PPG products, in turn, reflect those hazards. In instances where CAS numbers are not available, PPG relies on extensive internal, external, and raw material supplier resources to assign representative CAS numbers for this screening that represent the chemical family and associated hazards.
MANUFACTURER INFORMATION

MANUFACTURER: PPG Architectural Finishes
ADDRESS: One PPG Place
Pittsburgh PA 15272, USA
WEBSITE: www.dulux.ca/diy/products/interior-paint/dulux-lifemaster

CONTACT NAME: Architectural Coatings Technical Advise Center
TITLE: Technical Advisor
PHONE: 1-800-441-9695
EMAIL: techservicerequests@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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/ corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/ corrosivity
UNK Unknown

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
NoGS No GreenScreen.

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.