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

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
--- | --- | --- | --- | ---
DULUX LIFEMASTER ACRYLIC LATEX (59186, 59386, 59486) | WATER | UNDISCLOSED | LT-UNK | LIMESTONE; CALCIUM CARBONATE
| NT-UNK | HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL (HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL) | UNDISCLOSED | LT-1 | CAN
| LT-UNK | ENGLISH FULLERS EARTH | NoGS | SODIUM CARBONATE
| LT-UNK | PEG-10 PROPYLETHYL ETHER | LT-UNK | Cetyl hydroxyethylcellulose
| LT-UNK | POLYACRYLIC ACID, SODIUM SALT | LT-UNK | UNDISCLOSED

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:
Substances representing 99.5% of the product weight meet the 1000 ppm Threshold and are Screened.

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
## 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](http://www.hpd-collaborative.org/hpd-2-2-standard)

### DULUX LIFEMASTER ACRYLIC LATEX (59186, 59386, 59486)

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD: 1000 ppm</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED: Yes</th>
</tr>
</thead>
</table>

**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:** Three products are covered by this HPD. They are all 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 account for 10% or less of the total mass of each product.

### WATER

ID: 7732-18-5

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2017-10-21</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>%: 50.0000 - 60.0000</th>
<th>GS: BM-4</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Solvent</th>
</tr>
</thead>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

No warnings found on HPD Priority Hazard Lists

**Substance Notes:** Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.

### UNDISCLOSED

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2017-10-21</th>
</tr>
</thead>
</table>

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

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

No warnings found on HPD Priority Hazard Lists

**Substance Notes:** Range listed represents the variation between the 3 products covered under this HPD and as well as 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.

### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2017-10-21</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>%: 15.0000 - 20.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

No warnings found on HPD Priority Hazard Lists
### HEXANOIC ACID, 2-ETHYL-, DIESTER WITH TETRAETHYLENE GLYCOL

**ID:** 18268-70-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2017-10-21

<table>
<thead>
<tr>
<th>%:</th>
<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

**AGENCY AND LIST TITLES**  
No warnings found on HPD Priority Hazard Lists

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

**SUBSTANCE NOTES:** Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.

### UNDISCLOSED

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2017-10-21

<table>
<thead>
<tr>
<th>%:</th>
<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**  
CANCER

**AGENCY AND LIST TITLES**  
R45 - May cause cancer

**WARNINGS**  
Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

**SUBSTANCE NOTES:** Range listed represents the variation between the 3 products covered under this HPD and as well as 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.

### ENGLISH FULLERS EARTH

**ID:** 8031-18-3

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2017-10-21

<table>
<thead>
<tr>
<th>%:</th>
<th>0.1000 - 1.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
No warnings found on HPD Priority Hazard Lists

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

**SUBSTANCE NOTES:** Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.

### SODIUM CARBONATE (SODIUM CARBONATE)

**ID:** 497-19-8

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2017-10-21

<table>
<thead>
<tr>
<th>%:</th>
<th>0.1000 - 1.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
</tr>
</thead>
</table>

**HAZARD TYPE**  
None found

**AGENCY AND LIST TITLES**  
No warnings found on HPD Priority Hazard Lists

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

**SUBSTANCE NOTES:** Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>Substance Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEG-10 Propylheptyl Ether</td>
<td>160875-66-1</td>
<td>Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.</td>
</tr>
<tr>
<td>Cetylhydroxyethylcellulose</td>
<td>80455-45-4</td>
<td>Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.</td>
</tr>
<tr>
<td>Undisclosed</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>Polyacrylic Acid, Sodium Salt</td>
<td>9003-04-7</td>
<td></td>
</tr>
</tbody>
</table>

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2017-10-21  
**%:** 0.1000 - 1.0000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**SUBSTANCE ROLE:** Buffer  
**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
**EYE IRRITATION**  
**EU - R-phrases**  
R36 - Irritating to eyes  
**EYE IRRITATION**  
**EU - GHS (H-statements)**  
H319 - Causes serious eye irritation  
**SUBSTANCE NOTES:** Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Range listed represents the variation between the 3 products covered under this HPD and as well as standard manufacturing variability.

---

**UNDISCLOSED**

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2017-10-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 0.1000 - 1.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: No</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE ROLE: Viscosity modifier</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>None found</td>
<td></td>
<td>No warnings found on HPD Priority Hazard Lists</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Range listed represents the variation between the 3 products covered under this HPD and as well as 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.
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

**GreenGuard - Indoor Air Quality Certified**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<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

**GreenGuard - Gold (previously Children & Schools)**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
</tr>
</thead>
<tbody>
<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

**SCAQMD Rule 1113 Architectural Coatings**

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
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<tr>
<td>ISSUE DATE:</td>
<td>2018-05-01</td>
</tr>
<tr>
<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**

| HPD URL: | No HPD available |

**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 Pure Performance 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

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**

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GreenScreen (GS)</th>
<th>Recycled Types</th>
<th>Other Terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>LAN Land toxicity</td>
<td>BM-4 Benchmark 4 (prefer-safer chemical)</td>
<td>GHS SDS</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>MAM Mammalian/systemic/organ toxicity</td>
<td>BM-3 Benchmark 3 (use but still opportunity for improvement)</td>
<td>PostC Post-consumer recycled content</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>MUL Multiple</td>
<td>BM-2 Benchmark 2 (use but search for safer substitutes)</td>
<td>UNK Inclusion of recycled content is unknown</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>NEU Neurotoxicity</td>
<td>BM-1 Benchmark 1 (avoid - chemical of high concern)</td>
<td>None Does not include recycled content</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>NF Not found on Priority Hazard Lists</td>
<td>BM-U Benchmark Unspecified (due to insufficient data)</td>
<td>Other Terms:</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>OZO Ozone depletion</td>
<td>LT-P1 List Translator Possible 1 (Possible Benchmark-1)</td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
</tr>
<tr>
<td>GLO Global warming</td>
<td>PBT Persistent, bioaccumulative, and toxic</td>
<td>LT-1 List Translator 1 (Likely Benchmark-1)</td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LT-UNK List Translator Benchmark Unknown (the chemical is</td>
<td>Applicable facilities Manufacturing sites to which testing applies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>present on at least one GreenScreen Specified List, but the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>information contained within the list did not result in a clear mapping</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>to a LT-1 or LTP1 score.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NoGS No GreenScreen.</td>
<td></td>
</tr>
</tbody>
</table>

**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

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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.