ULTRA SPEC EXTERIOR LOW LUSTRE FINISH (N455) by Benjamin Moore & Co.

CLASSIFICATION: 09 00 00.00 Finishes: Finishes

PRODUCT DESCRIPTION: A professional quality 100% acrylic exterior low lustre finish. Designed for application to a wide variety of exterior surfaces as well as features excellent hiding, film durability and color retention. Fast-dry formula allows for quick recoating as well as low temperature application. Easy soap and water cleanup.

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

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 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
ULTRA SPEC EXTERIOR LOW LUSTRE FINISH (N455) | WATER BM-4
TITANIUM DIOXIDE LT-1 | CAN | END METHYL METHACRYLATE,
COPOLYMER WITH BUTYL ACRYLATE LT-UNK NEPHELINE SYENITE LT-UNK
KAOLIN CLAY LT-UNK | CAN ZINC OXIDE BM-1 | RES | AQU | MUL
1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE LT-UNK
CAN OCTYLPHENOXO POLYETHOXETHANOL LT-P1 | END | MUL
OCTYLPHENOXO POLYETHOXETHANOL LT-P1 | END | MUL SILICA,
AMORPHOUS LT-P1 | CAN PROPYLENE GLYCOL BM-2 | END ALUMINA
TRIHYDRATE BM-2 | RES ALKENES, C14-16 ALPHA-, SULFONATED,
SODIUM SALTS LT-UNK ENGLISH FULLERS EARTH NoGS

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 16.117
Regulatory (g/l): 42.165
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: Yes

CERTIFICATIONS AND COMPLIANCE

VOC emissions: VOC Emissions - Not available for Exterior Coatings
VOC content: SCAQMD Rule 1113 Architectural Coatings - Flats, floor coatings, non flat coatings, quick dry enamels, roof coatings only - 2007 amendments

CONSIDERATION WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified? Yes
PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #:
SCREENING DATE: 2019-01-04
PUBLISHED DATE: 2019-01-04
EXPIRY DATE: 2022-01-04
## 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, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### ULTRA SPEC EXTERIOR LOW LUSTRE FINISH (N455)

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD: 100 ppm</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED: Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES: Based on data provided by raw material suppliers</td>
<td></td>
</tr>
<tr>
<td>OTHER PRODUCT NOTES: None</td>
<td></td>
</tr>
</tbody>
</table>

#### WATER

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-01-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 40.0000 - 50.0000</td>
<td>GS: BM-4</td>
</tr>
<tr>
<td>AGENT AND LIST TITLES:</td>
<td>WARNINGS</td>
</tr>
<tr>
<td></td>
<td>No hazards found</td>
</tr>
<tr>
<td></td>
<td>SUBSTANCE NOTES: None</td>
</tr>
</tbody>
</table>

#### TITANIUM DIOXIDE

<table>
<thead>
<tr>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2019-01-04</th>
</tr>
</thead>
<tbody>
<tr>
<td>%: 10.0000 - 25.0000</td>
<td>GS: LT-1</td>
</tr>
<tr>
<td>AGENT AND LIST TITLES:</td>
<td>WARNINGS</td>
</tr>
<tr>
<td>CANCER</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>US CDC - Occupational Carcinogens</td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CA EPA - Prop 65</td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>IARC</td>
<td></td>
</tr>
<tr>
<td>ENDOCRINE</td>
<td>Potential Endocrine Disruptor</td>
</tr>
<tr>
<td>TEDX - Potential Endocrine Disruptors</td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
</tr>
<tr>
<td>MAK</td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels</td>
</tr>
<tr>
<td>MAK</td>
<td></td>
</tr>
</tbody>
</table>

| SUBSTANCE NOTES: None | |

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### METHYL METHACRYLATE, COPOLYMER WITH BUTYL ACRYLATE

**ID:** 25852-37-3  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04  
**%:** 10.0000 - 20.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Binder  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found  

**SUBSTANCE NOTES:** None

### NEPHELINO SYENITE

**ID:** 37244-96-5  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04  
**%:** 2.0000 - 10.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Extender filler  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
No hazards found  

**SUBSTANCE NOTES:** None

### KAOLIN CLAY

**ID:** 1332-58-7  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04  
**%:** 2.0000 - 10.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Extender filler  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification  

**SUBSTANCE NOTES:** None

### ZINC OXIDE

**ID:** 1314-13-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04  
**%:** 0.5000 - 5.0000  
**GS:** BM-1  
**RC:** None  
**NANO:** No  
**ROLE:** Additive  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
Asthmagen (Rs) - sensitizer-induced  

**RESPIRATORY**  
**AOEC - Asthmagens**  

**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**  

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**ULTRA SPEC EXTERIOR LOW LUSTRE FINISH (N455)**

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**1,3-PENTANEDIOL, 2,2,4-TRIMETHYL-, MONOISOBUTYRATE**

**ID:** 25265-77-4  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04  
**%:** 0.0500 - 2.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Binder  
**HAZARD TYPE:**  
**AGENCY AND LIST TITLES:**  
**WARNINGS:**  
**CANCER**  
**MAK**  
Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**SUBSTANCE NOTES:** None

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**OCTYLPHENOXY POLYETHOXYETHANOL**

**ID:** 9036-19-5  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04  
**%:** 0.0500 - 1.0000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Additive  
**HAZARD TYPE:**  
**AGENCY AND LIST TITLES:**  
**WARNINGS:**  
**ENDOCRINE**  
**ChemSec - SIN List**  
Endocrine Disruption  
**ENDOCRINE**  
**TEDX - Potential Endocrine Disruptors**  
Potential Endocrine Disruptor  
**MULTIPLE**  
**German FEA - Substances Hazardous to Waters**  
Class 3 - Severe Hazard to Waters

**SUBSTANCE NOTES:** None

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**OCTYLPHENOXY POLYETHOXYETHANOL**

**ID:** 9036-19-5  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2019-01-04  
**%:** 0.0500 - 1.0000  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Additive  
**HAZARD TYPE:**  
**AGENCY AND LIST TITLES:**  
**WARNINGS:**  
**ENDOCRINE**  
**ChemSec - SIN List**  
Endocrine Disruption  
**ENDOCRINE**  
**TEDX - Potential Endocrine Disruptors**  
Potential Endocrine Disruptor  
**MULTIPLE**  
**German FEA - Substances Hazardous to Waters**  
Class 3 - Severe Hazard to Waters

**SUBSTANCE NOTES:** None
### HAZARD SCREENING METHOD:
Pharos Chemical and Materials Library

<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD:</th>
<th>HAZARD SCREENING DATE:</th>
<th>%:</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>PROPYLENE GLYCOL</td>
<td>57-55-6</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-01-04</td>
<td>Impurity/Residual</td>
<td>LT-P1</td>
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<tr>
<td>ALUMINA TRIHYDRATE</td>
<td>21645-51-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-01-04</td>
<td>Impurity/Residual</td>
<td>BM-2</td>
</tr>
<tr>
<td>ENGLISH FULLERS EARTH</td>
<td>8031-18-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2019-01-04</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| | | | | | |
| | | | | | |

**WARNINGS**

#### PROPYLENE GLYCOL

- **CANCER**
  - Japan - GHS: Carcinogenicity - Category 1A
  - Australia - GHS: H350i - May cause cancer by inhalation

**SUBSTANCE NOTES:** None

#### ALUMINA TRIHYDRATE

- **RESPIRATORY**
  - AOEC - Asthmagens: Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** None

#### ENGLISH FULLERS EARTH

**SUBSTANCE NOTES:** None
### HAZARD SCREENING METHOD:
Pharos Chemical and Materials Library

### HAZARD SCREENING DATE:
2019-01-04

<table>
<thead>
<tr>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0500 - 0.5000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Additive</td>
</tr>
</tbody>
</table>

### HAZARD TYPE

<table>
<thead>
<tr>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>No hazards found</td>
<td></td>
</tr>
</tbody>
</table>

### SUBSTANCE NOTES:
None
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>VOC Emissions - Not available for Exterior Coatings</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-01-04</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VOC CONTENT</th>
<th>SCAQMD Rule 1113 Architectural Coatings - Flats, floor coatings, non flat coatings, quick dry enamels, roof coatings only - 2007 amendments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2019-01-04</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td></td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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.

GENNEX COLORANTS (229)

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Required for all tinted products

Section 5: General Notes

TDS and SDS available on www.benjaminmoore.com
MANUFACTURER INFORMATION

MANUFACTURER: Benjamin Moore & Co.
ADDRESS: 101 Paragon Dr
           Montvale New Jersey 07645, United States
WEBSITE: www.Benjaminmoore.com

CONTACT NAME: Edja Kouassi
TITLE: Technical Project Manager
PHONE: 973-252-2607
EMAIL: Edja.kouassi@benjaminmoore.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation

GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

GreenScreen (GS)
BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

Recycled Types
PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms
Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.